

Tab 1 – Master Agreement

General Terms and Conditions

- ◆ Customer Support
 - The vendor shall provide timely and accurate technical advice and sales support. The vendor shall respond to such requests within one (1) working day after receipt of the request.

- ◆ Disclosures
 - Respondent affirms that he/she has not given, offered to give, nor intends to give at any time hereafter any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor or service to a public servant in connection with this contract.
 - The respondent affirms that, to the best of his/her knowledge, the offer has been arrived at independently, and is submitted without collusion with anyone to obtain information or gain any favoritism that would in any way limit competition or give an unfair advantage over other vendors in the award of this contract.

- ◆ Renewal of Contract
 - Unless otherwise stated, all contracts are for a period of one (1) year with an option to renew for up to four (4) additional one-year terms or any combination of time equally not more than 4 years if agreed to by Region 14 ESC and the vendor.

- ◆ Funding Out Clause
 - Any/all contracts exceeding one (1) year shall include a standard “funding out” clause. A contract for the acquisition, including lease, of real or personal property is a commitment of the entity’s current revenue only, provided the contract contains either or both of the following provisions:
 - Retains to the entity the continuing right to terminate the contract at the expiration of each budget period during the term of the contract and is conditioned on a best efforts attempt by the entity to obtain appropriate funds for payment of the contract.

- ◆ Shipments (if applicable)
 - The awarded vendor shall ship ordered products within the written estimate of delivery time by the vendor to the entity after the receipt of the order unless modified. If a product cannot be shipped within that time, the awarded vendor shall notify the entity placing the order as to why the product has not shipped and shall provide an estimated shipping date. At this point the participating entity may cancel the order if estimated shipping time is not acceptable. All deliveries shall be freight prepaid, F.O.B. destination.

- ◆ Tax Exempt Status
 - Since this is a national contract, knowing the tax laws in each state is the sole responsibility of the vendor.

- ◆ Payments
 - The entity using the contract will make payments directly to the awarded vendor or their affiliates as long as written request and approval by NCPA is provided to the awarded vendor.
- ◆ Adding authorized distributors/dealers
 - Awarded vendors may submit a list of distributors/partners/resellers to sell under their contract throughout the life of the contract. Vendor must receive written approval from NCPA before such distributors/partners/resellers considered authorized.
 - Purchase orders and payment can only be made to awarded vendor or distributors/business partners/resellers previously approved by NCPA.
 - Pricing provided to members by added distributors or dealers must also be less than or equal to the pricing offered by the awarded contract holder.
 - All distributors/partners/resellers are required to abide by the Terms and Conditions of the vendor's agreement with NCPA.
- ◆ Pricing
 - All pricing submitted shall include, as a cost of sale to the awarded vendor, the administrative fee to be remitted to NCPA by the awarded vendor. It is the awarded vendor's responsibility to keep all pricing up to date and on file with NCPA. For those pricing requiring annual or periodic pricing updates, awarded vendors are expected to provide these changes as submitted.
 - All deliveries shall be freight prepaid, F.O.B. destination and shall be included in all pricing offered unless otherwise clearly stated in writing
- ◆ Warranty
 - Proposals should address each of the following:
 - Applicable warranty and/or guarantees of equipment and installations including any conditions and response time for repair and/or replacement of any components during the warranty period.
 - Availability of replacement parts
 - Life expectancy of equipment under normal use
 - Detailed information as to proposed return policy on all equipment
 - All supplies, equipment and services shall include manufacturer's minimum standard warranty and one (1) year labor warranty unless otherwise agreed to in writing.
- ◆ Audit rights
 - Vendor shall, at Vendor's sole expense, maintain appropriate due diligence of all purchases made by any entity that utilizes this Agreement. NCPA and Region 14 ESC each reserve the right to audit the accounting for a period of three (3) years from the time such purchases are made. This audit right shall survive termination of this Agreement for a period of one (1) year from the effective date of termination. In the State of New Jersey, this audit right shall survive termination of this Agreement for a period of five (5) years from the date of

final payment. Such records shall be made available to the New Jersey Office of the State Comptroller upon request.

- Region 14 ESC shall have the authority to conduct random audits of Vendor's pricing that is offered to eligible entities at Region 14 ESC's sole cost and expense. Notwithstanding the foregoing, in the event that Region 14 ESC is made aware of any pricing being offered to eligible agencies that is materially inconsistent with the pricing under this agreement, Region 4 ESC shall have the ability to conduct an extensive audit of Vendor's pricing at Vendor's sole cost and expense. Region 14 ESC may conduct the audit internally or may engage a third-party auditing firm. In the event of an audit, the requested materials shall be provided in the format and at the location designated by Region 14 ESC or NCPA.

◆ Indemnity

- The awarded vendor shall protect, indemnify, and hold harmless Region 14 ESC and its participants, administrators, employees and agents against all claims, damages, losses and expenses arising out of or resulting from the actions of the vendor, vendor employees or vendor subcontractors in the preparation of the solicitation and the later execution of the contract.

◆ Licenses and Duty to keep current licenses

- Vendor shall maintain in current status all federal, state and local licenses, bonds and permits required for the operation of the business conducted by vendor. Vendor shall remain fully informed of and in compliance with all ordinances and regulations pertaining to the lawful provision of services under the contract. Region 14 ESC reserves the right to stop work and/or cancel the contract of any vendor whose license(s) expire, lapse, are suspended or terminated. Vendor is expected to provide all required license(s) with this RFP response.

◆ Franchise Tax

- The respondent hereby certifies that he/she is not currently delinquent in the payment of any franchise taxes.

◆ Supplemental Agreements

- The entity participating in this contract and awarded vendor may enter into a separate supplemental agreement to further define the level of service requirements over and above the minimum defined in this contract i.e. invoice requirements, ordering requirements, specialized delivery, etc. Any supplemental agreement developed as a result of this contract is exclusively between the participating entity and awarded vendor.

◆ Certificates of Insurance

- Certificates of insurance shall be delivered to the Public Agency prior to commencement of work. The insurance company shall be licensed in the applicable state in which work is being conducted. The awarded vendor shall give the participating entity a minimum of ten (10) days notice prior to any modifications or cancellation of policies. The awarded vendor shall require all subcontractors performing any work to maintain coverage as specified.

◆ Legal Obligations

- It is the Respondent's responsibility to be aware of and comply with all local, state, and federal laws governing the sale of products/services identified in this RFP and any awarded contract and shall comply with all while fulfilling the RFP. Applicable laws and regulation must be followed even if not specifically identified herein.

◆ Protest

- A protest of an award or proposed award must be filed in writing within ten (10) days from the date of the official award notification and must be received by 5:00 pm CST. No protest shall lie for a claim that the selected Vendor is not a responsible Bidder. Protests shall be filed with Region 14 ESC and shall include the following:
 - Name, address and telephone number of protester
 - Original signature of protester or its representative
 - Identification of the solicitation by RFP number
 - Detailed statement of legal and factual grounds including copies of relevant documents and the form of relief requested
- Any protest review and action shall be considered final with no further formalities being considered.

◆ Force Majeure

- If by reason of Force Majeure, either party hereto shall be rendered unable wholly or in part to carry out its obligations under this Agreement then such party shall give notice and full particulars of Force Majeure in writing to the other party within a reasonable time after occurrence of the event or cause relied upon, and the obligation of the party giving such notice, so far as it is affected by such Force Majeure, shall be suspended during the continuance of the inability then claimed, except as hereinafter provided, but for no longer period, and such party shall endeavor to remove or overcome such inability with all reasonable dispatch.
- The term Force Majeure as employed herein, shall mean acts of God, strikes, lockouts, or other industrial disturbances, act of public enemy, orders of any kind of government of the United States or any civil or military authority; insurrections; riots; epidemics; landslides; lighting; earthquake; fires; hurricanes; storms; floods; washouts; droughts; arrests; restraint of government and people; civil disturbances; explosions, breakage or accidents to machinery, pipelines or canals, or other causes not reasonably within the control of the party claiming such inability. It is understood and agreed that the settlement of strikes and lockouts shall be entirely within the discretion of the party having the difficulty, and that the above requirement that any Force Majeure shall be remedied with all reasonable dispatch shall not require the settlement of strikes and lockouts by acceding to the demands of the opposing party or parties when such settlement is unfavorable in the judgment of the party having the difficulty.

◆ Prevailing Wage

- It shall be the responsibility of the Vendor to comply, when applicable, with the prevailing wage legislation in effect in the jurisdiction of the purchaser. It shall further be the responsibility of the Vendor to monitor the prevailing wage rates as established by the appropriate department of labor for any increase in rates during the term of this contract and adjust wage rates accordingly.

◆ Miscellaneous

- Either party may cancel this contract in whole or in part by providing written notice. The cancellation will take effect 30 business days after the other party receives the notice of cancellation. After the 30th business day all work will cease following completion of final purchase order.

◆ Cancellation for Non-Performance or Contractor Deficiency

- Region 14 ESC may terminate any contract if awarded vendor has not used the contract, or if purchase volume is determined to be low volume in any 12-month period.
- Region 14 ESC reserves the right to cancel the whole or any part of this contract due to failure by contractor to carry out any obligation, term or condition of the contract.
- Region 14 ESC may issue a written deficiency notice to contractor for acting or failing to act in any of the following:
 - ◆ Providing material that does not meet the specifications of the contract;
 - ◆ Providing work and/or material that was not awarded under the contract;
 - ◆ Failing to adequately perform the services set forth in the scope of work and specifications;
 - ◆ Failing to complete required work or furnish required materials within a reasonable amount of time;
 - ◆ Failing to make progress in performance of the contract and/or giving Region 14 ESC reason to believe that contractor will not or cannot perform the requirements of the contract;
- Upon receipt of a written deficiency notice, contractor shall have ten (10) days to provide a satisfactory response to Region 14 ESC. Failure to adequately address all issues of concern may result in contract cancellation. Upon cancellation under this paragraph, all goods, materials, work, documents, data and reports prepared by contractor under the contract shall become the property of Region 14 ESC on demand.

◆ Open Records Policy

- Because Region 14 ESC is a governmental entity responses submitted are subject to release as public information after contracts are executed. If a vendor believes that its response, or parts of its response, may be exempted from disclosure, the vendor must specify page-by-page and line-by-line the parts of the response, which it believes, are exempt. In addition, the respondent must specify which exception(s) are applicable and provide detailed reasons to substantiate the exception(s).
- The determination of whether information is confidential and not subject to disclosure is the duty of the Office of Attorney General (OAG). Region 14 ESC must provide the OAG sufficient information to render an opinion and therefore, vague and general claims to confidentiality by the respondent are not acceptable. Region 14 ESC must comply with the opinions of the OAG. Region 14 ESC assumes no responsibility for asserting legal arguments on behalf of any vendor. Respondent are advised to consult with their legal

counsel concerning disclosure issues resulting from this procurement process and to take precautions to safeguard trade secrets and other proprietary information.

If awarded vendor is going to do business in the State of Arizona, the following terms and conditions shall apply

◆ Cancellation for Conflict of Interest

- Per A.R.S. 38-511 a School District/public entity may cancel this Contract within three (3) years after Contract execution without penalty or further obligation if any person significantly involved in initiating, negotiating, securing, drafting, or creating the Contract on behalf of the School District/public entity is, or becomes at any time while the Contract or an extension the Contract is in effect, an employee of or a consultant to any other party to this Contract with respect to the subject matter of the Contract. The cancellation shall be effective when the awarded vendor receives written notice of the cancellation unless the notice specifies a later time.

◆ Registered Sex Offender Restriction

- Pursuant to this order, the awarded vendor agrees by acceptance of this order that no employee of the awarded vendor or a subcontractor of the awarded vendor, who has been adjudicated to be a registered sex offender, will perform work on any School District's premises or equipment at any time when District students are, or are reasonably expected to be, present. The awarded vendor further agrees by acceptance of this order that a violation of this condition shall be considered a material breach and may result in a cancellation of the order at the District's discretion.

◆ Contract's Employment Eligibility

- By entering the contract, awarded vendor warrants compliance with A.R.S. 41-4401, A.R.S. 23-214, the Federal Immigration and Nationality Act (FINA), and all other federal immigration laws and regulations. A School District/public entity may request verification of compliance from any contractor or subcontractor performing work under this contract. A School District/public entity reserves the right to confirm compliance in accordance with applicable laws. Should the School District/public entity suspect or find that the awarded vendor or any of its subcontractors are not in compliance, the School District/public entity may pursue any and all remedies allowed by law, including, but not limited to: suspension of work, termination of the contract for default, and suspension and/or debarment of the awarded vendor. All costs necessary to verify compliance are the responsibility of the award vendor.

◆ Terrorism Country Divestments

- Per A.R.S. 35-392, a School District/public entity is prohibited from purchasing from a company that is in violation of the Export Administration Act.

◆ Fingerprint Checks

- If required to provide services on School District/public entity's property, awarded vendor shall comply with A.R.S. 15-511(h).

◆ Indemnification

- Notwithstanding all other provisions of this agreement, School District/public entity does not agree to accept responsibility, waive liability, or indemnify the awarded vendor, in whole or in part, for the errors, negligence, hazards, liabilities, contract breach and/or omissions of the awarded vendor, its employees and/or agents.

Process

Region 14 ESC will evaluate proposals in accordance with, and subject to, the relevant statutes, ordinances, rules, and regulations that govern its procurement practices. NCPA will assist Region 14 ESC in evaluating proposals. Award(s) will be made to the prospective vendor(s) whose response is determined to be the most advantageous to Region 14 ESC, NCPA, and its participating agencies. To qualify for evaluation, response must have been submitted on time, and satisfy all mandatory requirements identified in this document.

- ◆ Contract Administration
 - The contract will be administered by Region 14 ESC. The National Program will be administered by NCPA on behalf of Region 14 ESC.
- ◆ Contract Term
 - The contract term will be for one (1) year starting from the date of the award. The contract may be renewed for up to four (4) additional one-year terms or any combination of time equally not more than 4 years.
 - It should be noted that maintenance/service agreements may be issued for up to (5) years under this contract even if the contract only lasts for the initial term of the contract. NCPA will monitor any maintenance agreements for the term of the agreement provided they are signed prior to the termination or expiration of this contract.
- ◆ Contract Waiver
 - Any waiver of any provision of this contract shall be in writing and shall be signed by the duly authorized agent of Region 14 ESC. The waiver by either party of any term or condition of this contract shall not be deemed to constitute waiver thereof nor a waiver of any further or additional right that such party may hold under this contract.
- ◆ Products and Services additions
 - Products and Services may be added to the resulting contract during the term of the contract by written amendment, to the extent that those products and services are within the scope of this RFP and has written approval of NCPA and Region 14 ESC.
- ◆ Competitive Range
 - It may be necessary for Region 14 ESC to establish a competitive range. Responses not in the competitive range are unacceptable and do not receive further award consideration.
- ◆ Deviations and Exceptions
 - Deviations or exceptions stipulated in response may result in disqualification. It is the intent of Region 14 ESC to award a vendor's complete line of products and/or services, when possible.
- ◆ Estimated Quantities
 - The estimated dollar volume of Products and Services purchased under the proposed Master Agreement is \$10 million dollars annually. This estimate is based on the anticipated volume of Region 14 ESC and current sales within the NCPA program. There is no guarantee or commitment of any kind regarding usage of any contracts resulting from this solicitation

- ◆ Evaluation
 - Region 14 ESC will review and evaluate all responses in accordance with, and subject to, the relevant statutes, ordinances, rules and regulations that govern its procurement practices. NCPA will assist the lead agency in evaluating proposals. Recommendations for contract awards will be based on multiple factors, each factor being assigned a point value based on its importance.
- ◆ Formation of Contract
 - A response to this solicitation is an offer to contract with Region 14 ESC based upon the terms, conditions, scope of work, and specifications contained in this request. A solicitation does not become a contract until it is accepted by Region 14 ESC. The prospective vendor must submit a signed Signature Form with the response thus, eliminating the need for a formal signing process.
- ◆ NCPA Administrative Agreement
 - The vendor will be required to enter and execute the National Cooperative Purchasing Alliance Administration Agreement with NCPA upon award with Region 14 ESC. The agreement establishes the requirements of the vendor with respect to a nationwide contract effort.
- ◆ Clarifications / Discussions
 - Region 14 ESC may request additional information or clarification from any of the respondents after review of the proposals received for the sole purpose of elimination minor irregularities, informalities, or apparent clerical mistakes in the proposal. Clarification does not give respondent an opportunity to revise or modify its proposal, except to the extent that correction of apparent clerical mistakes results in a revision. After the initial receipt of proposals, Region 14 ESC reserves the right to conduct discussions with those respondent's whose proposals are determined to be reasonably susceptible of being selected for award. Discussions occur when oral or written communications between Region 14 ESC and respondents are conducted for the purpose clarifications involving information essential for determining the acceptability of a proposal or that provides respondent an opportunity to revise or modify its proposal. Region 14 ESC will not assist respondent bring its proposal up to the level of other proposals through discussions. Region 14 ESC will not indicate to respondent a cost or price that it must meet to neither obtain further consideration nor will it provide any information about other respondents' proposals or prices.
- ◆ Multiple Awards
 - Multiple Contracts may be awarded as a result of the solicitation. Multiple Awards will ensure that any ensuing contracts fulfill current and future requirements of the diverse and large number of participating public agencies.
- ◆ Past Performance
 - Past performance is relevant information regarding a vendor's actions under previously awarded contracts; including the administrative aspects of performance; the vendor's history of reasonable and cooperative behavior and commitment to customer satisfaction; and generally, the vendor's businesslike concern for the interests of the customer.

Evaluation Criteria

- ◆ Product & Services/Pricing (40 points)
 - Respondent(s)' products and services (e.g.; quality and breadth of product(s)/service(s), description(s) quality, reputation in the marketplace, average on time delivery rate and historical shipping timelines, return and restocking policies and applicable fees, average Fill Rate, shipping charges and other)
 - Competitive Level of Pricing for vendor's available products and services
 - Warranties on Respondent(s)' products and services (e.g.; availability of standard/extended warranties, pricing, detailed descriptions, ease of process and others)
 - Evidence of the ability of Respondent(s)' products and services to save members time and money (e.g.; breadth of service departments, technological advances, personnel experience, product(s) efficiencies, and others)
 - Other factors relevant to this section as submitted by the responder(s)

- ◆ Ability to Provide and Perform the Required Services for the Contract (25 points)
 - Response to emergency orders & service (e.g.; response time, breadth of service coverage, strength of meeting service and warranty needs of members)
 - Customer service/problem resolution (e.g.; technical abilities of service personnel; quality of processes,)
 - Invoicing process (e.g.; ease of use; transparency, billing resolutions)
 - Respondent(s)' processes, and quality of organizational structure
 - Contract implementation/Customer transition
 - Financial condition of vendor
 - Offeror's safety record (e.g.; benchmarks, lost hours, reporting)
 - Instructional materials and training (e.g.; administrative documentation, internal technical training, training of agencies)
 - Other factors relevant to this section as submitted by the proposer

- ◆ References (10 points)
 - A minimum of ten (10) customer references for product and/or services of similar scope dating within past 3 years

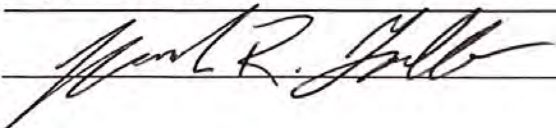
- ◆ Qualification and Experience (15 points)
 - Respondent(s)' reputation in the marketplace
 - Past relationship with Region 14 ESC and/or NCPA members
 - Experience with cooperative selling (e.g.; number of other cooperatives, Exhibited understanding of cooperative purchasing)
 - Experience and qualification of key employees
 - Location and number of sales persons who will work on this contract
 - Marketing plan and capability
 - Past experience working with the government sector
 - Past litigation, bankruptcy, reorganization, state investigations of entity or current officers and directors

- Completeness of response (e.g.; filled out all sections, answered all questions, provided pricing)
 - Other factors relevant to this section as submitted by the proposer
- ◆ Value Added Services Description, Products and/or Services (10 points)
- Marketing and agency Training
 - Customer Service
 - Sales force training (e.g.; internal training plan, corporate officer involvement, orientation commitment)
 - Marketing plan and capability (e.g.; contract rollout plan, benchmarks, goals)
 - Green initiative(s) (e.g.; philosophy, certificates, awards)
 - Quality and breadth of value add(s)
 - Other factors relevant to this section as submitted by the proposer

Signature Form

The undersigned hereby proposes and agrees to furnish goods and/or services in strict compliance with the terms, specifications and conditions at the prices proposed within response unless noted in writing. The undersigned further certifies that he/she is an officer of the company and has authority to negotiate and bind the company named below and has not prepared this bid in collusion with any other Respondent and that the contents of this proposal as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any person engaged in this type of business prior to the official opening of this proposal.

Prices are guaranteed: **120 days**

Company name	Wahsega Labs, LLC
Address	5185 Shiloh Road
City/State/Zip	Cumming, GA 30040
Telephone No.	888-509-2379
Fax No.	—
Email address	Joe@wahsega.com
Printed name	Joseph R. Gullo
Position with company	VP of Sales
Authorized signature	

Tab 2 – NCPA Administration Agreement

This Administration Agreement is made as of December 8, 2020, by and between National Cooperative Purchasing Alliance (“NCPA”) and Wahsega Labs, LLC (“Vendor”).

Recitals

WHEREAS, Region 14 ESC has entered into a certain Master Agreement dated December 8, 2020, referenced as Contract Number 12-17, by and between Region 14 ESC and Vendor, as may be amended from time to time in accordance with the terms thereof (the “Master Agreement”), for the purchase of Security Solutions Products and Services;

WHEREAS, said Master Agreement provides that any state, city, special district, local government, school district, private K-12 school, technical or vocational school, higher education institution, other government agency or nonprofit organization (hereinafter referred to as “public agency” or collectively, “public agencies”) may purchase products and services at the prices indicated in the Master Agreement;

WHEREAS, NCPA has the administrative and legal capacity to administer purchases under the Master Agreement to public agencies;

WHEREAS, NCPA serves as the administrative agent for Region 14 ESC in connection with other master agreements offered by NCPA

WHEREAS, Region 14 ESC desires NCPA to proceed with administration of the Master Agreement;

WHEREAS, NCPA and Vendor desire to enter into this Agreement to make available the Master Agreement to public agencies on a national basis;

NOW, THEREFORE, in consideration of the payments to be made hereunder and the mutual covenants contained in this Agreement, NCPA and Vendor hereby agree as follows:

◆ General Terms and Conditions

- The Master Agreement, attached hereto as Tab 1 and incorporated herein by reference as though fully set forth herein, and the terms and conditions contained therein shall apply to this Agreement except as expressly changed or modified by this Agreement.
- NCPA shall be afforded all of the rights, privileges and indemnifications afforded to Region 14 ESC under the Master Agreement, and such rights, privileges and indemnifications shall accrue and apply with equal effect to NCPA under this Agreement including, but not limited to, the Vendor’s obligation to provide appropriate insurance and certain indemnifications to Region 14 ESC.
- Vendor shall perform all duties, responsibilities and obligations required under the Master Agreement in the time and manner specified by the Master Agreement.
- NCPA shall perform all of its duties, responsibilities, and obligations as administrator of purchases under the Master Agreement as set forth herein, and Vendor acknowledges that NCPA shall act in the capacity of administrator of purchases under the Master Agreement.
- With respect to any purchases made by Region 14 ESC or any Public Agency pursuant to the Master Agreement, NCPA (a) shall not be construed as a dealer, re-marketer, representative, partner, or agent of any type of Vendor, Region 14 ESC, or such Public Agency, (b) shall not be obligated, liable or responsible (i) for any orders made by Region

14 ESC, any Public Agency or any employee of Region 14 ESC or Public Agency under the Master Agreement, or (ii) for any payments required to be made with respect to such order, and (c) shall not be obligated, liable or responsible for any failure by the Public Agency to (i) comply with procedures or requirements of applicable law, or (ii) obtain the due authorization and approval necessary to purchase under the Master Agreement. NCPA makes no representations or guaranties with respect to any minimum purchases required to be made by Region 14 ESC, any Public Agency, or any employee of Region 14 ESC or Public Agency under this Agreement or the Master Agreement.

- The Public Agency participating in the NCPA contract and Vendor may enter into a separate supplemental agreement to further define the level of service requirements over and above the minimum defined in this contract i.e. invoice requirements, ordering requirements, specialized delivery, etc. Any supplemental agreement developed as a result of this contract is exclusively between the Public Agency and Vendor. NCPA, its agents, members and employees shall not be made party to any claim for breach of such agreement.

◆ **Term of Agreement**

- This Agreement shall be in effect so long as the Master Agreement remains in effect, provided, however, that the obligation to pay all amounts owed by Vendor to NCPA through the termination of this Agreement and all indemnifications afforded by Vendor to NCPA shall survive the term of this Agreement.

◆ **Fees and Reporting**

- The awarded vendor shall electronically provide NCPA with a detailed quarterly report showing the dollar volume of all sales under the contract for the previous quarter. Reports are due on the fifteenth (15th) day after the close of the previous quarter. It is the responsibility of the awarded vendor to collect and compile all sales under the contract from participating members and submit one (1) report. The report shall include at least the following information as listed in the example below:

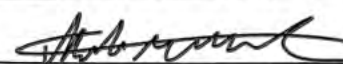
Agency Name	State	Zip Code	Date	PO or Job #	RQN Number	Sale Amount	Admin Fee
Total							_____

- Each quarter NCPA will invoice the vendor based on the total of sale amount(s) reported. From the invoice the vendor shall pay to NCPA an administrative fee of three (3%) for the amount of the agency's purchase order less any applicable sales tax and Performance and/or Payment bond cost. Vendor's annual sales shall be measured on a calendar year basis. Deadline for term of payment will be included in the invoice NCPA provides.
- Supplier shall maintain an accounting of all purchases made by Public Agencies under the Master Agreement. NCPA and Region 14 ESC reserve the right to audit the accounting for a period of five (5) years from the date NCPA receives the accounting. In the event of such an audit, the requested materials shall be provided at the location designated by Region 14 ESC or NCPA. In the event such audit reveals an under reporting of Contract Sales and a resulting underpayment of administrative fees, Vendor shall promptly pay NCPA the amount of such underpayment, together with interest on such amount and shall be obligated to reimburse NCPA's costs and expenses for such audit.

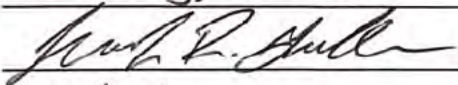
◆ **General Provisions**

- This Agreement supersedes any and all other agreements, either oral or in writing, between the parties hereto with respect to the subject matter hereof, and no other agreement, statement, or promise relating to the subject matter of this Agreement which is not contained herein shall be valid or binding.
- Awarded vendor agrees to allow NCPA to use their name and logo within website, marketing materials and advertisement. Any use of NCPA name and logo or any form of publicity regarding this contract by awarded vendor must have prior approval from NCPA.
- If any action at law or in equity is brought to enforce or interpret the provisions of this Agreement or to recover any administrative fee and accrued interest, the prevailing party shall be entitled to reasonable attorney's fees and costs in addition to any other relief to which such party may be entitled.
- Neither this Agreement nor any rights or obligations hereunder shall be assignable by Vendor without prior written consent of NCPA, provided, however, that the Vendor may, without such written consent, assign this Agreement and its rights and delegate its obligations hereunder in connection with the transfer or sale of all or substantially all of its assets or business related to this Agreement, or in the event of its merger, consolidation, change in control or similar transaction. Any permitted assignee shall assume all assigned obligations of its assignor under this Agreement.
- This Agreement and NCPA's rights and obligations hereunder may be assigned at NCPA's sole discretion, to an existing or newly established legal entity that has the authority and capacity to perform NCPA's obligations hereunder
- All written communications given hereunder shall be delivered to the addresses as set forth below.

National Cooperative Purchasing Alliance:

Name: Matthew Mackel
 Title: Director, Business Development
 Address: PO Box 701273
Houston, TX 77270
 Signature: 
 Date: December 8, 2020

Vendor:

Wahsega Labs, LLC
 Name: Joseph R. Gullo
 Title: VP of Sales
 Address: 5185 Shiloh Road
Cumming, GA 30040
 Signature: 
 Date: 11/10/2020

NCPA Registered Vendor Quotation Number

RFP responders are requested to agree to a quotation number registration program to provide consistency and faster service for our facility awarded vendors, agency members and participants. The process will require Facility Contract holders to register and receive a NCPA Vendor Registered Quotation Number that must be prominently displayed on each proposal(s) that you present to the agencies. The system will track Facility transactions from the initial proposal stage to the completion of each project. NCPA has assembled an experienced Facilities Management Team that stands ready and willing to assist its vendors in providing quality services to the awarded vendor's organization. Failure to receive the Vendor Registered Quotation Number can result in potential delays to your services and the only acceptable proposals need to have a NCPA Vendor Registered Quotation Number.

NCPA Registered Vendor Quotation Number Process

Fill out the form on the Facilities page at www.NCPA.us

(Direct link is <http://www.ncpa.us/Facilities/Register>)

*** Fill out and submit.**

- All registered vendor quotation number requests must be submitted *and* a proposal number received *before* you present it to your potential customer.
- You will have a response with a NCPA Vendor Registered Quotation Number within 4 hours.
- If you have an emergency and need a quotation number sooner, call any member of the Facility Management team and we will help you.
- Include the quotation number on all proposals.

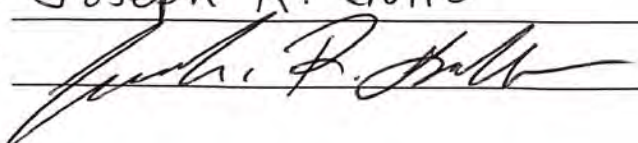
This document acknowledges that you have received and agree to the details, directions and expectations of the NCPA Vendor Registered Quotation Number process.

Date 11/10/2020

RFP Number 33-20

Company Name Wahsega Labs, LLC

Printed Name Joseph R. Gullo

Signature 

Tab 3 – Vendor Questionnaire

Please provide responses to the following questions that address your company's operations, organization, structure, and processes for providing products and services.

“ States Covered

- Bidder must indicate any and all states where products and services can be offered.
- Please indicate the price co-efficient for each state if it varies.

50 States & District of Columbia (Selecting this box is equal to checking all boxes below)

Alabama	Maryland	South Carolina
Alaska	Massachusetts	South Dakota
Arizona	Michigan	Tennessee
Arkansas	Minnesota	Texas
California	Mississippi	Utah
Colorado	Missouri	Vermont
Connecticut	Montana	Virginia
Delaware	Nebraska	Washington West Virginia
District of Columbia	Nevada	Wisconsin
Florida	New Hampshire	Wyoming
Georgia	New Jersey	
Hawaii	New Mexico	
Idaho	New York	
Illinois	North Carolina	
Indiana	North Dakota	
Iowa	Ohio	
Kansas	Oklahoma	
Kentucky	Oregon	
Louisiana	Pennsylvania	



Maine

Rhode Island

All US Territories and Outlying Areas (Selecting this box is equal to checking all boxes below)

- American Samoa
- Federated States of Micronesia
- Guam
- Midway Islands
- Northern Marina Islands
- Puerto Rico
- U.S. Virgin Islands

Minority and Women Business Enterprise (MWBE) and (HUB) Participation

- It is the policy of some entities participating in NCPA to involve minority and women business enterprises (MWBE) and historically underutilized businesses (HUB) in the purchase of goods and services. Respondents shall indicate below whether or not they are an M/WBE or HUB certified.
 - Minority / Women Business Enterprise
 - Respondent Certifies that this firm is a M/WBE
 - Historically Underutilized Business
 - Respondent Certifies that this firm is a HUB

Residency

- Responding Company's principal place of business is in the city of Cumming, State of Georgia.

Felony Conviction Notice

- Please Check Applicable Box;
 - A publically held corporation; therefore, this reporting requirement is not applicable.
 - Is not owned or operated by anyone who has been convicted of a felony.
Is owned or operated by the following individual(s) who has/have been convicted of a felony
 - If the 3 a box is checked, a detailed explanation of the names and convictions must be attached.

Distribution Channel

- Which best describes your company's position in the distribution channel:

- Manufacturer Direct
- Authorized Distributor
- Value-added reseller
- Certified education/government reseller
- Manufacturer marketing through reseller**
- Other:

Processing Information

- Provide company contact information for the following:
 - Sales Reports / Accounts Payable
Contact Person: Nancy Polanen-Irving

Title: Controller

Company: Wahsega Labs, LLC

Address: 5185 Shiloh Road

City: Cumming State: GA Zip: 30040

Phone: 888-509-2379 Email: nancy@wahsega.com

- Purchase Orders

Contact Person: Rosalie Gentry
Title: Sales Assistant
Company: Wahsega Labs. LLC
Address: 5185 Shiloh Road
City: Cumming State: GA Zip: 30040
Phone: 888-509-2379 Email: rgentry@wahsega.com

- Sales and Marketing

Contact Person: Joseph Gullo
Title: VP of Sales
Company: Wahsega Labs. LLC
Address: 5185 Shiloh Road
City: Cumming State: GA Zip: 30040
Phone: 888-509-2379 Email: joe@wahsega.com

- “ Pricing Information

- In addition to the current typical unit pricing furnished herein, the Vendor agrees to offer all future product introductions at prices that are proportionate to Contract Pricing.
 - If answer is no, attach a statement detailing how pricing for NCPA participants would be calculated for future product introductions.

Yes ^No

- Pricing submitted includes the required NCPA administrative fee. The NCPA fee is calculated based on the invoice price to the customer.

Yes ^No

- Vendor will provide additional discounts for purchase of a guaranteed quantity.

N

Tab 4 – Vendor Profile

Please provide answers to the following questions in a clear and concise manner. Provide the question number in your response:

GENERAL:

1. Company's official registered name.

Wahsega Labs, LLC

2. Brief history of your company, including the year it was established.

Founded in 2015, we began in the access control space with indoor and outdoor IP intercoms. As we continued to speak with customers in multiple industries, we realized there was a serious cost barrier in the mass notification space, specifically school safety in K-12 schools across the country. They could only afford older broken legacy systems which did not do enough to protect students, faculty and staff. The cost of installation in existing buildings was preventing schools from upgrading to digital/IP systems and enjoying the safety features they desperately needed. Because of this information, we developed our IP Speaker line to reduce the installation costs up to 50% and combine multiple classroom systems into one. We created the first affordable digital/IP mass notification system that costs the same as the older legacy systems that schools and hospitals were stuck with.

In addition, we decided to sell directly to resellers as opposed to distributors and passed that 25% savings on to the end customer (schools, hospitals, local government etc.) as well.

3. Company's Dun & Bradstreet (D&B) number.

080228000000004

4. Corporate office location.

5185 Shiloh Road, Cumming, GA 30040

5. List number of employees either nationally or regionally (if your response is not all states) with breakdown of direct sales, sales support, service technicians, engineering support and administration.

Cumming, GA:

Technical Support 2

Sales 2

Marketing - 2

Executive 1

Manufacturing 6

Engineering 4

Dallas, TX

Sales 1

Mobile, AL

Engineering 1

Los Angeles, CA

Engineering 1

North Carolina (Coming by end of 2020)

Sales 1

Florida (Coming by end of 2020)

Sales - 1

6. List the number and location of offices, or service centers for all states being offered in solicitation. Additionally, list the names of key contacts at each location with title, address, phone and e-mail address.

5185 Shiloh Road, Cumming, GA 30040:

Sales Joey Gullo / 888-509-2379 / joe@wahsega.com

Technical Support Kelley Conway / 888-509-2379 / support@wahsega.com

Accounting Nancy Polanen-Irving / 888-509-2379 / nancy@wahsega.com

Dallas, TX (Home Office)

Sales Stu Strain / 888-509-2379 / stu@wahsega.com

North Carolina (Coming by end of 2020)

Sales

Florida (Coming by end of 2020)

Sales

7. Please provide contact information for the person(s) who will be responsible for the following areas, including resumes:

- a. Sales

Joey Gullo / 888-509-2379 / joe@wahsega.com / Nationwide

David Shaw / 888-509-2379 / david@wahsega.com / Nationwide

Stu Strain / 888-509-2379 / stu@wahsega.com / TX/AR/OK/LA

- b. Sales Support

Kelley Conway / 888-509-2379 / support@wahsega.com

Rosalie Gentry / 888-509-2379 / rgentry@wahsega.com

- c. Marketing

Eric Sharpe / 888-509-2379 / esharpe@wahsega.com

d. Financial Reporting

Nancy Polanen-Irving / 888-509-2379 / nancy@wahsega.com

e. Executive Support

Joey Gullo / 888-509-2379 / joe@wahsega.com

8. Define your standard terms of payment.

NET 30 after credit approval process.

9. Who is your competition in the public marketplace?

Advanced Network Devices, Valcom, AtlasIED

12. What is your strategy to increase market share in the public space?

We are continuing to gather case studies from customers in the public sector to demonstrate how our solution has saved them significant money from their budget while having enhanced safety protections. We plan to publish these so that other customers in the same sector can see different ways that they can implement their own safety protocols within the budget that they already have.

In addition, we will continue to attend industry trade shows, send out email blasts, post on social media and speak at industry events.

On the sales side, we are expanding the sales team in local markets across the country to support our customers. In 2020, we will be adding two new reps in North Carolina and Florida. In 2021, we plan to add several new regional reps in the North East, Midwest and the West Coast.

13. What differentiates your company from your competitors?

Unlike our competitors, we designed our products from the ground up to reduce the cost of the equipment, installation and removed the need for additional audio systems in a room. Because of this, we are significantly less expensive and offer more features than any of our competitors. On top of

that, we offer a full Safety IoT and Mass Notification platform called Carina which has made it easy for SLED customers to manage their system, be alerted to any issues and implement safety protocols, without the need for technical training. In addition, we offer more value to our customers by giving them new software features continuously as we release them instead of making them purchase additional modules.

A large differentiator is the Internet of Things (IoT) portion of the Carina platform. Customers can place IoT sensors around their building that can detect issues before they become expensive disasters. A great example of this is a water leak detector. With our system, it will alert the right people when a leak is first detected instead of having to discover it when it has gotten out of hand (i.e. a leak that happens on a weekend). This can save end customers potentially millions of dollars in damages.

A significant advantage of Carina over our competitors is the fact that we have designed it to run on an extremely low amount of power. When idle, the system consumes <2 Watts of power whereas our competitors require 500 Watts or more. Not only does this save customers on energy costs but more importantly it allows our system to run significantly longer on UPS backups during a power outage. It is critical to get emergency messages out even if electricity is not available.

Finally, Carina is the only platform to offer complete coverage of a building. Everyone can be reached with our audio and visual messaging but just as important, people and the building itself can reach out for help. This is something that our competitors do not offer.

14. Briefly summarize your company's Quality control/Quality assurance program.

Manufacturing: *We perform multiple levels of testing during the manufacturing and assembly process. Since we manufacture everything in the USA, we can easily manage and monitor our extensive QA program. At the factory, we test using a "bed of nails" tester, which is the most extensive board level testing available. It tests each and every circuit on the board individually. The industry norm is to perform a "flying probe" test which is not nearly as extensive.*

Assembly: *We designed each product to be extremely easy to assemble and utilize a running assembly line to put together each product. Each station on the line has to confirm the previous station's assembly was correct before proceeding. If there are issues, the line is immediately stopped and the issues are investigated. Once the final product has been assembled, it is then run through another testing station that tests all of the products functionality including connections, audio quality, microphone quality, button pushes, visual displays, etc. It must pass each of these tests 100% in order to be boxed up and ready to ship.*

Software: *On every single piece of software running on all of our products, we run daily tests over and over again against hundreds of test cases. Most companies do this only for their newly released software version but we do this continuously well after release. We run additional extensive tests of each software module prior to making any release to our customers. Our motto is that we want to find a bug long before any customer does.*

15. Provide information regarding whether your firm, either presently or in the past, has been

involved in any litigation, bankruptcy, or reorganization.

We have not been involved any litigation, bankruptcy or reorganization.

16. Provide evidence of your company's ability to continuously lower the customer's costs. Provide examples of any documented cost reduction results that your company has engaged in with your customers.

This is our specialty!

Installation Cost Reduction: We designed our IP Speakers to reduce the amount of Power-over-Ethernet (PoE) cable homeruns that are required by up to 50%. This is achieved by using our Second Room speaker which connects to a primary speaker (has the PoE cable homerun). The Second Room speaker (in the next room over) acts as an independent IP speaker and comes with all of the functionality of the primary speaker. Each PoE cable homerun costs between \$200 - \$350 each leading to significant savings. See the following diagrams for examples:



Average 50 Classroom Example

	Wahsega	Competitors
Speakers	\$15,700	\$19,950
PoE Cable Runs	\$6,250	\$12,500
48 Port PoE Switch	\$3,000	\$6,000
Total Cost Per Building	\$24,950	\$38,450
Savings per Building	\$13,500 Savings	\$0
336 Campuses	\$4,536,000 Savings	\$0

Business Model: Because we choose to sell directly to resellers and skip distributors completely, we pass the 25% equipment cost savings directly to the end customers.

Multiple Systems in One: Each IP speaker and IP display (IP clock) eliminates the need for additional audio systems that customers usually must purchase. For example, we offer an inexpensive call button that can call two different phone numbers from the IP speaker/display depending on how long the button is held down. This eliminates the need for an IP phone in the classroom. We also offer Sound Reinforcement which allows the teacher to re-use the speakers to play classroom audio from a computer, projector or TV eliminating the need for a separate sound system. Lastly, our IP speakers/displays can integrate with wireless microphones so that teachers can reduce voice strain and every student in the classroom can clearly hear the lesson. This eliminates the need for an

independent PA system for just one room. Altogether, this can lead to savings of thousands of dollars per classroom.

Safety IoT: *Our system can connect to IoT sensors around the building. These sensors can then alert the right people within a second of an issue being discovered. A great example of this is a water heater leaking or a freezer breaking down. In either example, since the problem was detected so quickly, schools can save thousands to millions of dollars in damage and/or lost food.*

PRODUCTS:

17. What is the reputation of your company's products in the public marketplace?

We have a very good reputation in the market for our cost savings but mainly the quality of our products. Our rigorous QA testing ensures that our customers receive a perfect product every time.

One of our customers said it best:

"The quality was felt when I unboxed the first product, it put me at ease. I knew that I made the right choice."

- Lonie Packer Director of Network Services - Trinity Valley Community College

18. What equipment/system support documents will your company provide?

We provide every customer with a specification sheet, users guide and installation guide for each and every product. In addition, we are adding videos, FAQs and of course every customer can reach out to us and receive direct technical support from our team of support engineers and staff.

19. Identify the process of receiving a purchase order to the ordering of equipment.

Once we receive the purchase order, we confirm receipt and enter it into our ERP system. From that point, we provide the customer an estimated shipping date and get the order into the order queue. Within three days of shipment, our customer success team reaches out to the end customer with tracking information. Three weeks after that, the customer success team reaches out to make sure everything was received and the installation is going well. Three months after that, the customer success team reaches out to find out how the system is running, offer help with any issues and ask if there is anything that we can do better. We are continuously trying to improve not only our product lines but also our internal processes.

20. Describe your company's shipping schedule notification procedures.

Once we receive the purchase order, we provide the customer an estimated shipping date within 1 business day. Once it has shipped, we provide tracking information to the end customer along with the estimated arrival date. We then follow up to make sure that everything arrive and in good condition.

21. Describe how your company deals with shipping delays. How do you notify your customer of delays?

We promptly alert customers through email and phone calls to any shipping delays the moment we discover them. Delays rarely occur due to heavy sales volume but if they do for a particularly large order, we keep customer informed throughout the process. It allows us to be transparent with the customer and they are able to make their plans accordingly.

If shipping delays are caused by the freight carrier, the moment we find out about the delayed pickup we alert our customers to the issue.

22. Provide your shipping schedule reporting form. How many times do you update?

We treat each shipment individually in regards to shipping times. For each shipment, we receive an estimated pickup and transit time report from the freight carrier. We promptly provide this information to the customer.

To answer the question, we update the shipping schedule every single day for each order.

23. How many products do you stock? Where?

We have thousands of products in our corporate headquarters where our factory and assembly lines are located.

24. What is your percentage of on-time delivery at each manufacturing plant?

95%

25. Describe any direct order entry system or capabilities your organization has such as internet capabilities.

Internally we use an ERP system where all of our component and finished goods inventory is tracked. It also tracks all of the purchase orders that we have received and the shipping information for each. This allows us to have the most up to date information on inventory coming in, inventory holding, sales and shipments. This system is managed in the cloud so our employees can access it from anywhere.

26. Are all security products UL listed and in compliance with all applicable codes in all states?

Our products do not require UL but regardless we are about to receive TUV SUD certification which is more stringent than UL certification.

27. If your product is defective, what is the replacement process and turnaround?

If a defective unit is found in the field, our support team will first diagnose and then if a solution cannot be found, we send shipping labels to have it returned along with a RMA form. Once received, we will either repair or replace. 85% of the time we simply replace with a new unit in order to reduce customer down time.

Once we receive the unit, the issue is typically resolved (replacement product shipped) within a couple business days.

28. What is the capability of your company to respond to emergency/rush orders?

Because we hold so much inventory and build everything in house, we are very well equipped to handle emergency/rush orders. We handle this for our customers multiple times a year at varying quantities.

For example, our standard lead times are 1 - 3 weeks without a rush, which is unheard of in our industry. With a rush order, we can get product out even faster than that.

29. State whether your company provides a quality guarantee on your products. If so, please describe.

We provide a 2 year warranty against all defects and workmanship. If there are any defects found, we repair or replace the defective units as described in question 27. Customers may also purchase extended warranties.

30. Describe your procedures to monitor the quality of your products.

We have quarterly reviews of our RMAs to find out how the defects happened (shipping & handling, etc) and put in processes to fix these. In addition, we insure every shipment so that even if product is damaged during transit, we can cover the replacements.

In addition to this, we are constantly reviewing and applying new efficiency techniques to our software and hardware testing as well as our assembly processes.

31. Do you offer extended parts and labor warranties? If yes, state length of warranty.

A 2 year warranty comes standard with all of our products and customers can purchase extended warranties up to 5 years.

32. Please give examples of state and local agencies where your company has extended labor

warranties. Include length of these warranties.

A recent example of this is the Sandy Lane Elementary School which is part of the Pinellas County School system in Florida. This particular school required a 3 year extended warranty instead of our standard 2 year warranty so we approved this for them for free on November 2, 2020.

33. What is your standard warranty on replacement parts?

Our units are delivered fully assembled so we do not offer replacement parts. If a unit is found to be defective with will either repair or replace with a brand new unit.

34. How does your company track warranties and update equipment lists/warranty periods as units or components are replaced?

We track this through our ERP and CRM systems.

35. What states would your company not honor pricing on your supplied equipment for this contract, in the event that this contract is made available to all states?

We will honor the unit pricing in this contract to any and all states.

SERVICES:

36. Describe your company's Customer Service Department (hours of operation, number of service centers, parts outlets, number of technicians, etc.) Clarify if the service centers are owned by your company or if they are a network of subcontractors.

Our customer service department consists of our technical support, customer success, engineering support and sales departments. The standard hours of operation are 8am - 5pm EST Monday - Friday. All of the team members of these departments are employees of Wahsega.

In the past with urgent issues, we have sent engineers and support staff to customer locations to work through issues. We believe we live and die by our customer service so it must be excellent every single time.

37. Describe how your company handles after-hours customer service needs indicate your average response time to emergency service calls.

After hours support requests are always answered on the following morning of the next business day. Sales can always be alerted off hours so if there is a very urgent issue, sales can be notified and action plans will begin to be put in place.

38. Discuss your organization's capability and historical flexibility in completing timely service calls and problem resolution.

As stated in the answer to question 36, we will go to great lengths to support our customers both over the phone and in the field. Our engineering team have traveled across the country for speaker layout design walk throughs and also to diagnose issues. We are extremely flexible when it comes to supporting our customers.

39. Please describe the quality program(s) within your company which measures your service work.

Especially if a bug in software is found, our entire engineering team will pause their current project to solve the issue that has been discovered by a customer. Our goal is to quickly find a fix and create a new release within a few days so that other customers will not be inconvenienced. Our agile engineering team with fast software patch turnaround time has been a huge advantage for us.

40. Describe your call center organization.

Our sales team handles any incoming general calls as well as sales specific calls.

For technical support, customers can be directly connected to the support team through our telephone automated menu.

41. Does your company offer a dedicated, 800 number for all locations to place phone and fax orders?

Is the call center available 24 hours/7 days week?

Yes, we do offer an 800 number for all locations. The number is not staffed 24/7.

42. Describe how service call problems get escalated in emergency situations during and after hours.

Who would be responsible in your company for assessing the appropriate course of action to remedy the problem?

During hours, an emergency call will get escalated to the engineering team if our normal support team cannot solve the problem. From there a course of action is decided with the customer as to the next steps if the issue cannot be resolved over the phone and a screen sharing session. Travel has been used in the past to solve urgent issues. In addition, the VP of Sales is informed of these situations so that the customer has multiple lines of communication and also because the sales team typically has a relationship with the customer along with information about their use case.

After hours, the calls are received and will be processed on the morning of the next business day. If the issue must be escalated, sales will be involved after hours to talk with the customer and begin the development of an action plan.

43. List the steps taken from start to finish in receiving a service call through to completion of repair and invoicing. Include time frames associated with each step.

To be clear, we are not the installer so we do not typically send a team on site when there is an issue. We can solve 99% of issues over the phone and a screen sharing session. In rare cases that this will not work, we have sent team members into the field.

A service call will come in and we work through the issue with the customer including steps to try for a remedy. This call usually lasts <1 hour.

If the issue cannot be resolved in this fashion we will either begin the RMA process or alert engineering that a software patch needs to be made.

For an RMA, once we receive the defective unit, we will have a replacement unit shipped within 1 - 3 business days.

For a new software patch, this varies depending on the amount of engineering required. In the past this time has ranged from 1 - 10 business days.

We do not invoice the customer for these support calls.

44. What technology such as GPS tracking does your company use to track completion of repairs?

Since we are the manufacturer and do not have a fleet of repair vehicles like an installer would, we do not use GPS tracking.

45. What is the reputation of your company's service in the public marketplace?

Our support reputation has been absolutely stellar since we founded the company. It is the number one priority for all departments. We do not rest until the customer is happy and satisfied with every interaction with our team and products.

Here are some quotes from our customers on this subject:

"We took out all of the old products that were limping along and replaced them with new and had no complaints. And it worked perfectly from day one and haven't heard any complaints since even a year out from installation."

- Brandy Blanchard Project Manager, IT Caddo Parish Schools

"Quality product and great support!"

- Joel Brooks Network Project Manager North Kansas City Schools

46. Identify the process of receiving a purchase order to the providing of a service contract.

- 1.) Receive purchase order and send receipt confirmation to the customer*
- 2.) Purchase order is entered into our ERP system*
- 3.) Sales order is created and the order is placed in shipping queue*
- 4.) Order is shipped, tracking information is sent to the customer*
- 5.) Three week follow up to make sure everything arrived in good working order*
- 6.) Three month follow up making sure the system is running well and doing what they need it to do*
- 7.) If we are alerted to any issues, the case going through our support and warranty process*
 - a. First line of support*
 - b. Escalation to engineering*
 - c. RMA*
 - d. Site visit if necessary*

47. Describe your company's startup and system checkout responsibilities

As the manufacturer, we have processes in place to avoid issues with defective equipment leaving our factory floor and making it to customers.

In the case that there is an issue discovered, we take care of it right away as described in the question above.

For defects caused by shipping, we act the moment we are alerted by the customer. If the customer hasn't alerted us, through our customer success follow up program (3 days, 3 weeks, 3 months) we are able to identify issues before they impact the project.

We rely on our authorized resellers and installers to handle the actual system check out responsibilities after integration. We try to prevent any issues before the installation process has begun.

48. Describe your company's post-installation and warranty support

The post installation and warranty process is as follows:

- 1.) Three day follow up to provide customers with tracking and transit times*
- 2.) Three week follow up to make sure everything arrived in good working order*

- 3.) Three month follow up making sure the system is running well and doing what they need it to do
- 4.) If we are alerted to any issues, the case going through our support & warranty process
 - a. First line of support
 - b. Escalation to engineering
 - c. RMA
 - d. Site visit if necessary

49. Describe your company's steps for system analysis.

Since we provide devices that reside on an IP network we have several processes to determine or eliminate an issue on the network. They are:

- 1.) Description of the problem from the customer
- 2.) Make sure the device can be accessed by an IP address on the network
- 3.) Screen sharing to verify all network configurations on our device are correct
- 4.) Run several test scenarios including calling or making an audio page to the device
- 5.) Verify that the device is in fact registered to the Carina and IP PBX server
- 6.) If all of this fails, we then run a packet capture on the network to see what packets we are sending and what responses we are receiving
- 7.) From those results 99.9% of the time we can easily resolve the issue

50. Discuss your company's current computer systems architecture. How does your company's computer system guarantee customer receive consistent service support, security responsibility verification, and management reporting?

We break this up into three different computer system architectures:

Support: *We have a dedicated support system (JIRA) where all of our support cases reside. Once a request comes in, the customer is assigned a case number that can be tracked. There are multiple users in the system including a manager that keeps tabs on the open support cases to make sure they are resolved in a timely fashion.*

Sales: *We have a dedicated CRM (SalesForce) that keeps track of all the correspondence we have with customers both pre-sale and post-sale. This allows our reps, as they are building relationships with our customers, to record relevant information so that they are always able to help our customers solve problems.*

Customer Orders: *We have a dedicated system (ERP) to track all of our inventory and purchase orders that we receive. Within this system, we are able to pull inventory reports, schedule builds of final product, enter purchase orders into the shipping queue and track the actual shipments themselves. If a customer would like to know when his order will ship or how long it will take to arrive after shipment, this system allows us to react quickly with that information, always keeping the customer informed.*

51. What does your company do to ensure bills are received from service centers within a reasonable time frame and issued to government entities for payment?

Our accounting department creates invoices daily so that we can send them out quickly. We have a dedicated person sending out the invoices each day and follow up to make sure they were received. Accounting also produces internal Accounts Receivable reports each week to keep track of payment times.

52. Explain how your company qualifies/certifies its service centers and what types of checks are performed to ensure standards are upheld.

As a manufacturer, we do not have service centers like a value added reseller (VAR) would. As for our VARs, we put them through training to get them on board and work closely with them throughout the years to make sure they maintain quality service. In addition, our customer success department follows up with the VAR and end customer (3 days, 3 weeks, 3 months) on each and every shipment to ensure that everything has gone well. If it hasn't, we find out quickly and react just as quickly to reconcile the issue.

53. Is warranty coverage dependent on using your start-up procedure?

No, our customers can install and configure our IP devices in any order they wish. We have designed the software to be able to handle this. The warranty covers any units that were found to be defective.

54. Who performs your start-up procedure?

In most cases, the VAR who is physically installing the system will handle the start-up procedure. In rare cases, the end customer will handle that themselves. We offer support and guidance to both.

55. Explain how your company would propose a planned unit replacement program including how units would be identified for replacement and how pricing would be addressed.

This is covered in our warranty program and it goes as follows:

- 1.) There is an issue with a unit so technical support is involved to diagnose and try to fix*
- 2.) If this is not possible, the warranty and RMA process is then started*
- 3.) Customer will ship in the defective unit with an RMA form*
- 4.) Once received, we will repair or replace the unit quickly to keep downtime to a minimum*
- 5.) If the RMA process is within the warranty guidelines then there is no cost to the customer. An example of something that would fall outside of the warranty is if the product was dropped and physically damaged but arrived in perfect condition.*

56. Describe what project scheduling tools your company use to track projects during construction.

Since we are the manufacturer and do not physically install our products, we rely on our VARs to track these installation projects.

57. Describe how your company handles site development and project permitting process.

As a manufacturer, we are not involved in these aspects of the project. If we are misunderstanding the question, please let us know.

58. Describe your company's construction management plan.

As a manufacturer, we are not involved in these aspects of the project. If we are misunderstanding the question, please let us know.

59. What is your standard warranty on installation?

We offer a 2 year warranty starting on the date of installation that includes replacements for any defective products.

60. Do you differentiate in your company's standard warranty if financing is part of the contract? If so,

please describe.

We do not currently offer financing.

61. State whether your company provides a quality guarantee on your service. If so, please describe.

The quality that we provide is on the IP devices themselves and the software running on them. If there are issues, we either fix them or replace them.

62. What states would your company not honor pricing on services for this contract, in the event that this contract is made available to all states?

We will honor the unit pricing in this contract to any and all states.

SAFETY:

63. Describe your company's safety program during service/repair work.

If this is in reference to our replace or repair work as part of our warranty, we follow our standard safety program that is used to manufacture and assemble our products. In most cases, we simply replace the defective units with a brand new one.

64. Describe your company's safety program during construction.

As a manufacturer, we are not involved in these aspects of the project. If we are misunderstanding the question, please let us know.

65. Indicate number of lost hours or other benchmarks to verify your company's effectiveness of their safety record.

This is difficult to answer as a manufacturer as we think this applies to onsite installations which our VARs handle. If we are misunderstanding the question, please let us know.

66. What reporting mechanism does your company provided to the customer upon completion of any project?

As the manufacturer, the final documentation that we provide to our customers is the invoicing for the units purchased. There are other written records as part of our customer success program (i.e. emails).

MARKETING/ SALES

67. Detail how your organization plans to market this contract within the first 90 days of the award date. This should include, but not be limited to:

a. A co-branded press release within first 30 days

This will absolutely happen within 30 days. A press release will be posted on our website and also disseminated through PR services.

- b. Announcement of award through any applicable social media sites

We will make announcements through LinkedIn, Twitter and Facebook.

- c. Direct mail campaigns

We will be sending an email blast to all of our VARs and end customers throughout the USA.

- d. Co-branded collateral pieces

We plan to make these and hand them out at trade shows as well as digital copies to share with our customer base. It is important that we make it known to our customers that we are now a part of the NCPA purchasing contract. Many of our customers prefer to purchase through contract vehicles like the NCPA.

- e. Advertisement of contract in regional or national publications

This is something we haven't looked into specifically for the NCPA contract but it is an interesting idea. We would love to find out what publications would be a good fit for this kind of advertisement.

- f. Participation in trade shows

Once COVID-19 is behind us and we can start physically attending trade shows again, we plan to bring collateral with us that informs our customers of Wahsega being in the NCPA contract.

- g. Dedicated NCPA and Region 14 ESC internet web-based homepage with:
 - i. NCPA and Region 14 ESC Logo
 - ii. Link to NCPA and Region 14 ESC website
 - iii. Summary of contract and services offered
 - iv. Due Diligence Documents including; copy of solicitation, copy of contract and any
 - v. amendments, marketing materials

We are currently designing a brand new website that is planned to be released in December. Once version 1 of the website is released, we have a roadmap of other content to add to the website. Part of that content will be the information described above (NCPA details, logos, due diligence docs etc.)

68. Describe how your company will demonstrate the benefits of this contract to eligible entities if awarded.

We will include the benefits of the NCPA in our email blasts, social media posts, press releases and marketing collateral on our website.

69. Explain how your company plans to market this agreement to existing government customers.

We have a large database of government entities where some of our customers and some are not. We plan to heavily market our involvement with the NCPA as this will make our products much more

attractive to these customers. It is in our best interest to get the word out that we are now a part of the NCPA.

70. Provide a detailed 90-day plan describing how the contract will be implemented within your company.

Within the first 90 days, the following events will take place:

- 1.) Press release is posted on the website and sent through publishing services*
- 2.) Email blast is sent out to all of our customers (end customers and VARs)*
- 3.) Social media posts are made (LinkedIn, Twitter and Facebook)*
- 4.) Collateral will be created for the sales/marketing team to disseminate*
- 5.) The sales team will be trained on how the contract works and how to tell their customers about it*
- 6.) The sales support team will be trained on how to properly quote NCPA related projects*
- 7.) The accounting team will be trained on how to track NCPA invoices and provide reporting each quarter along with payments to NCPA*

71. Describe how you intend on train your national and/or regional sales force on the Region 14 ESC agreement.

The training will be as follows:

- 1.) A training session on what the NCPA is and the benefits it provides our customers.*
- 2.) They will be trained on how to properly quote NCPA projects*
- 3.) They will be trained on what type of customers to approach with NCPA messaging*
- 4.) They will be trained on which reps within the NCPA to reference to prospective customers when questions arise or the reps can assist the Wahsega sales team on winning business through the NCPA*

72. Acknowledge that your organization agrees to provide its company logo(s) to Region 14 ESC and agrees to provide permission for reproduction of such logo in marketing communications and promotions.

This is confirmed. We agree to provide our company logos with permission to be used as part of Region 14 ESC marketing.

ADMINISTRATION

74. Describe your company's implementation and success with existing cooperative purchasing programs, if any, and provide the cooperative's name(s), contact person(s) and contact information as reference(s).

We were awarded a spot on two TIPS contracts in May and June of 2020. We are on the following TIPS contracts:

- 1.) Contract 200203: Security Systems Products and Services*
- 2.) Contract 200105: Technology Solutions Products and Services*

Here is a link to our contracts:

<https://www.tips-usa.com/vendorProfile.cfm?RecordID=CA7332C5718C9ED1C0A9474C9CE0ADCD>

In the short time that we have been apart of the contracts, it has been quite successful with over \$425,000 in business so far. We are hoping to do much more with NCPA.

The contact person managing the TIPS contract is Joey Gullo / 888-509-2379 / joe@wahsega.com

75. Describe the capacity of your company to report quarterly sales through this agreement.

This will be very simple with our accounting software. We will track each NCPA purchase order and invoice to quickly pull reports every quarter to deliver to NCPA along with payment.

We have similar arrangements with the TIPS contract as well as other partners where we have quarterly royalties due.

76. Describe the capacity of your company to provide management reports, i.e. consolidated billing by location, time and attendance reports, etc. for each eligible agency.

As a manufacturer, we do not provide these reports as we do not install the product at customer sites. Our VARs handle this. If we are misunderstanding the question, please let us know.

77. Please provide any suggested improvements and alternatives for doing business with your company that will make this arrangement more cost effective for your company and Participating Public Agencies.

It is hard to point out any improvements at this stage since we have not done business under the NCPA contract yet. If we were to guess, it would be great to have an online portal where we can track the deals that have successfully closed under the NCPA. Perhaps this already exists.

Green Initiatives

We are committed to helping to build a cleaner future! As our business grows, we want to make sure we minimize our impact on the Earth's climate. So we are taking every step we can to implement innovative and responsible environmental practices throughout Region 14 ESC to [reduce our carbon footprint](#), reduce waste, promote energy conservation, ensure [efficient computing](#), and much more. We would like vendors to partner with us in this enterprise. To that effort, we ask respondents to provide their companies environmental policy and/or green initiative.

78. Please provide your company's environmental policy and/or green initiative.

We have many green initiatives. They are:

- 1.) Design products with recyclable materials (i.e. aluminum etc)*
- 2.) Every product is specifically designed to consume very little power. We excel in this area, saving over 90% power usage compared to our competitors.*
- 3.) We source all of our components and manufacture locally to dramatically reduce our carbon footprint.*

Vendor Certifications (if applicable)

Provide a copy of all ***current licenses, registrations and certifications*** issued by federal, state and local agencies, and any ***other licenses, registrations or certifications*** from any other governmental entity with jurisdiction, allowing respondent to perform the covered services including, but not limited to

licenses, registrations or certifications. M/WBE, HUB, DVBE, small and **disadvantaged business certifications and other diverse business certifications**, as well as manufacturer certifications for sales and service must be included if applicable.



Wahsega Labs, LLC
5185 Shiloh Road
Cumming GA 30040
(888) 509-2379

Tab 5 - Wahsega Product Information

Security System

For detailed information about each product, please refer to the *Products* directory. We have two product lines:

- 1.) **Carina Products** – These products utilize the Wahsega Carina Event Manager server and is our full solution that includes everything from the server to all of the end points. This is the most cost-effective solution that we offer. Each of the endpoints are less expensive than the InformaCast product line.
- 2.) **InformaCast Products** – These products are compatible with the InformaCast server product from Singlewire Software.

Detailed information for each product is represented by an individual specification sheet. This includes features and benefits information.

Standard Warranty (Parts & Labor):

Please refer to the *Wahsega_Limited_Warranty.pdf* document in the *Information – Warranties Etc* directory.

Optional Warranty (components covered & Labor)

For customers that request this, we extend our standard 2 year warranty up to 5 years. For everything covered, please refer to the *Wahsega_Limited_Warranty.pdf* document in the *Information – Warranties Etc* directory.

Estimated Lead/Delivery Time

Our standard lead/delivery time is 2 days – 3 calendar weeks including very large quantity orders. Because we manufacture everything in the US and work with suppliers that are geographically close to our factory, we are able to keep all of our products stocked and have the shortest lead times in the industry.

Location of Manufacturing

5185 Shiloh Road, Cumming, GA 30040

Range of Efficiencies

We are interpreting this question to be about the power efficiency of our mass notification and safety IoT system. If our understanding is incorrect, please let us know.

The Wahsega Carina platform offers power efficiency of 80% - 95%. A great example of this is our Carina Event Manager server. While idle, which it is 99% of the time, it only requires less than 2 Watts of power. Our competitor systems in the same environment require 500 Watts or more. This allows our Carina system to run exponentially longer on backup UPS systems to keep complete coverage going even when

the power is out. Operation during a power outage is the second most important issue in the school market with 55% of schools worried that their system will not work in that situation. (reference: [Campus Safety Magazine recent survey](#))

Estimated Market Share

We currently have an estimated market share of 5% with public entities. The reason for this is that for the last several years, we have only provided an InformaCast product line which limited our market penetration. The InformaCast product is too expensive for most public entities. Because of this, we designed and released the Carina Product Line to significantly bring those costs down and open up the remaining 95% of the market. We are currently running marketing programs to get the word out and expect exponential growth in this area.

With COVID, many public entities have slowed down spending this year so the growth rate has slowed down a bit but we feel confident that once the vaccine is released or close to release, our normal exponential growth rate will continue, especially with the cost saving value that the Carina platform provides.

Provide example data on each type of product provided

Please refer to the *Products* directory. If we are misunderstanding the intention of this question, please let us know.

Detail Features & Benefits

Specific features and benefits for individual products are located in the *Products* directory but we would like to give a high-level overview of our offering as a whole.

Single Solution: Through our conversations with customers across the public entity spectrum, a common request emerged: Single solution from one manufacturer. Outside of Wahsega, the market offerings lack a single solution that contains all of the pieces and services so that public entities can purchase everything from one provider without having to piece together a system from multiple manufacturers in order to achieve full comprehensive coverage with a mass notification system. They want a single solution for the following reasons:

- 1.) **Product cohesion** – They want every piece of the system to work perfectly with every other piece out of the box. No special integration required.
- 2.) **Single support resource** – If there are issues, they want one support provider (the manufacturer) to solve their issues quickly and efficiently. They are tired of piecing together systems where the manufacturers blame issues on the other manufacturer's products in the customer's system. Support suffers as the customer has to call multiple vendors to resolve a single issue.
- 3.) **Overall cost reduction** – With our wiring reduction technology, business model (direct to VARs, no distributors) and full solution, public entities can have the benefits of a fully IP mass notification and Safety IoT system for the same price as the broken, inadequate legacy systems that have been used in buildings for the last 100 years.

Complete Coverage: A recent [survey](#) of schools across the country from [Campus Safety Magazine](#) revealed a huge issue with school safety. 63% of the respondents listed their number one concern being the lack of complete coverage across their campus. This means that they have tried to put together multiple systems to cover areas lacking in each system to try to achieve complete coverage but still fell short. During an emergency situation, schools are not able to effectively reach everyone on campus both indoors and out with life saving information. This is exactly why we designed the Wahsega Carina platform to cover every aspect of a building with outgoing critical announcements but also allow the people and building itself to reach out for help. No other system in the market offers this level of complete coverage. Of course, building a system like Carina is great but would be pointless if it wasn't affordable

for all public entities. This is precisely why we spent so much time and money to design the system from the ground up to cost the same as older broken analog systems that any entity can afford.

Products

All of our products fall into the Public Warning/Mass Notification and Electronic Access Control categories. In addition, the Carina platform also includes a Safety IoT category that protects equipment and infrastructure systems within a building (i.e. HVAC, refrigeration, water heaters, lightening detection etc.)

Security Services & Maintenance

As the manufacturer, these services are provided by our VARs who install the system and have onsite maintenance contracts with the end customer. If we are misunderstanding the intent of this section, please let us know.

Security Installation

As the manufacturer, these services are provided by our VARs. They physically install the system at the customer site.

Warranty Services

Type

We offer a standard 2 year warranty on all of our products to every customer. The specific details of what the warranty covers is located in the *Wahsega_Limited_Warranty.pdf* document in the *Information – Warranties Etc* directory.

Customer may purchase an extended warranty of up to 5 years.

The warranty protects against product defects and ensures that customers will have defective units either repaired or replaced very quickly in order to limit downtime.

The start of the warranty period begins when the system has been installed.

Define processes for each type of warranty

- 1.) There is an issue with a unit so technical support is involved to diagnose and try to fix
- 2.) If this is not possible, the warranty and RMA process is then started
- 3.) Customer will ship in the defective unit with an RMA form
- 4.) Once received, we will repair or replace the unit quickly to keep downtime to a minimum

- 5.) If the RMA process is within the warranty guidelines then there is no cost to the customer. An example of something that would fall outside of the warranty is if the product was dropped and physically damaged but arrived in perfect condition.

List key personnel

Alissa Rice – Production Manager (arice@wahsega.com, 888-509-2379): Alissa runs the entire production department which includes the warranty and RMA department.

Kelley Conway – Technical Support Manager (kconway@wahsega.com, 888-509-2379): Kelley runs the entire support department which is the first contact our customers will have when a warranty issue is reported.

Nancy Polanen-Irving – Controller (nancy@wahsega.com, 888-509-2379): Nancy runs the accounting department which will handle all invoicing including refunds.

Rosalie Gentry – Customer Success Manager (rgentry@wahsega.com, 888-509-2379): Rosalie runs the customer success department where they follow up with all of our customers 3 days, 3 weeks and 3 months after each shipment to make sure that our system was installed properly and running well. This allows us to solve any issues much faster than waiting for the customer to report them.

Joseph Gullo – VP of Sales (joe@wahsega.com, 888-509-2379): Joseph is in charge of all these departments to make sure that Wahsega customers are always taken care of and each department is running smoothly. He reports directly to the CEO.

References

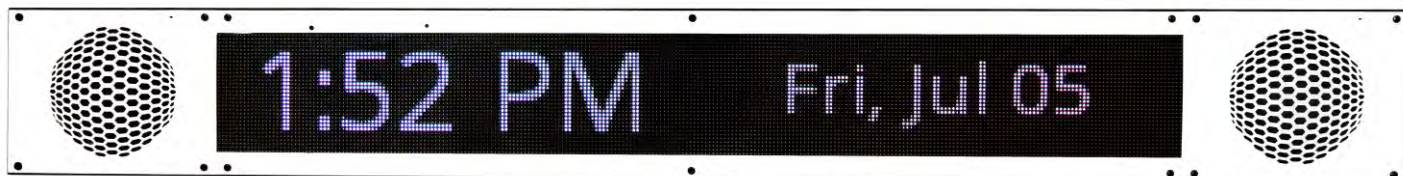
Brandy Blanchard – Project Manager, IT – Caddo Parish Public Schools - 318-603-6412 - BBLANCHARD@caddoschools.org

Joel Brooks – Network Project Manager – North Kansas City Schools - (816) 507-0050 - Joel.Brooks@nkcschools.org

Gerry Dawson – Technology Director – West Jefferson Hill School District – 412-655-8610 - gdawson@wjhsd.net

Brad Niessen – Director of Technology – Andover Public Schools – 316-218-4343 - niessenb@usd385.org

Carina Extra Large IP Signboard



Description

Wahsega's Carina line of PoE-enabled IP Displays are automatically discovered by the Carina Event Manager at initialization, and central configuration and global programming options in the Event Manager assure quick system setup.

The Carina Extra Large IP Signboard displays continuous time and date and also allows critical textual information from Event Manager alerts to be scrolled on the display. The Carina Extra Large IP Signboard has a 40-inch wide LED display which supports over 32,000 colors with an LED resolution that is twice what competing products provide. All text is rendered using vector fonts, allowing for improved readability.

The Carina Extra Large IP Signboard supports SIP registration for calls as well as multicast for bells, pages or background music from the Event Manager. With network connectivity, scrolling LED display, built-in speaker and multi-color flashers, the Carina Extra Large IP Signboard broadcasts both audible and visible Event Manager messages to hallways, classrooms, offices and large rooms.

Two integrated relays let building managers remotely control external devices, which can be activated via SIP call or Event Manager broadcast. A built-in microphone allows for two-way SIP communication, and time synchronization is handled by the Event Manager's SNTP Server.

The Carina Extra Large IP Signboard can even power a second, extension speaker (WL-SPKR-xx-A) up to 20 meters away via an Ethernet cable, increasing the audio coverage in the space. One Cat5e or Cat6 homerun provides power and data for both speakers.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Dual registration: SIP and Carina
- Auto-discovery on Wahsega Carina Event Manager
- PoE 802.3af enabled
- Able to drive second Wahsega analog speaker $\leq 20\text{m}$ away via Cat5e or Cat6
- Fully configurable via Carina Event Manager
- Multiple audio codecs to choose from
- Simple surface-mount wall installation
- Built-in microphone for two-way communication
- Web-based mic and speaker volume control
- Classroom sound reinforcement audio input wallplate available
- Status feedback
- Two onboard relays for door control
- Text display up to 5" high
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement wallplate
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- One to three lines of text display
- Time set by Event Manager SNTP Server with no manual adjustments necessary
- Receive bell and event schedule alerts from Event Manager via RTP Multicast
- Display 12- or 24-hour clock with four or six numerals
- Two multicolor and one white flasher
- Auto-dim feature for energy reduction
- Text display is configurable for scrolling of page by page mode.
- 32,768 LED colors
- 32 x 64 resolution

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: < 2 Watts
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: 16-bit PCM (uncompressed), u-law (G.711u), a-law (G.711a), G.722, G.729
- Audio Sampling: 8 kHz, 16 kHz, or 32 kHz
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: $120^\circ / 4$ kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Secondary Speaker Cat5e or Cat6 Cable Length: 20m
- Temperature Range: -40°C to $+60^\circ\text{C}$
- Weight: 24.5 lbs
- Overall Dimensions: 58.64" W x 7.00" H x 4.54" D
- LED Panel Dimensions: 5" tall x 40" wide
- Construction: Metal housing with polyester powdercoat paint
- Warranty: 2 years limited

Job Name: Model Numbers: Date:

Location: Notes:

Model Numbers

WL-IPD-SPKR-540-CAR

Wahsega Labs	Display	Speaker	Display Height	Display Width	Protocol
WL	IPD	SPKR	5	40	CAR
Wahsega Labs	IP Display	with Speaker	5 = 5" High Display	10 = 10" Wide Display 20 = 20" Wide Display 40 = 40" Wide Display D = Double Sided (10" only)	CAR = SIP + Carina INF = SIP + InformaCast

Installation

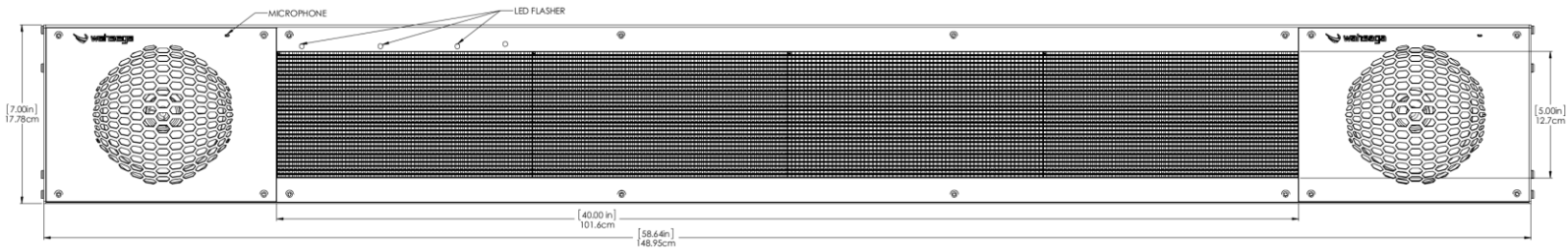
Simple, surface mount wall installation with rear and side access for wiring. Power supplied via Power over Ethernet (PoE) 802.3af. The Wahsega Extra Large IP Signboard mounts to the front of four (4) single-gang or two-gang electrical backboxes or to the surface of a wall, using its included mounting brackets and the appropriate wall anchors for the mounting surface.

Job Name: **Model Numbers:** **Date:**

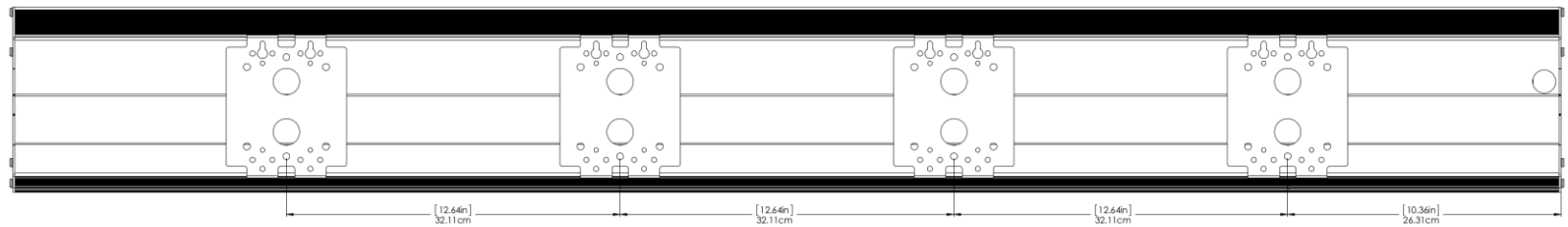
Location: **Notes:**

Dimensions

Front View



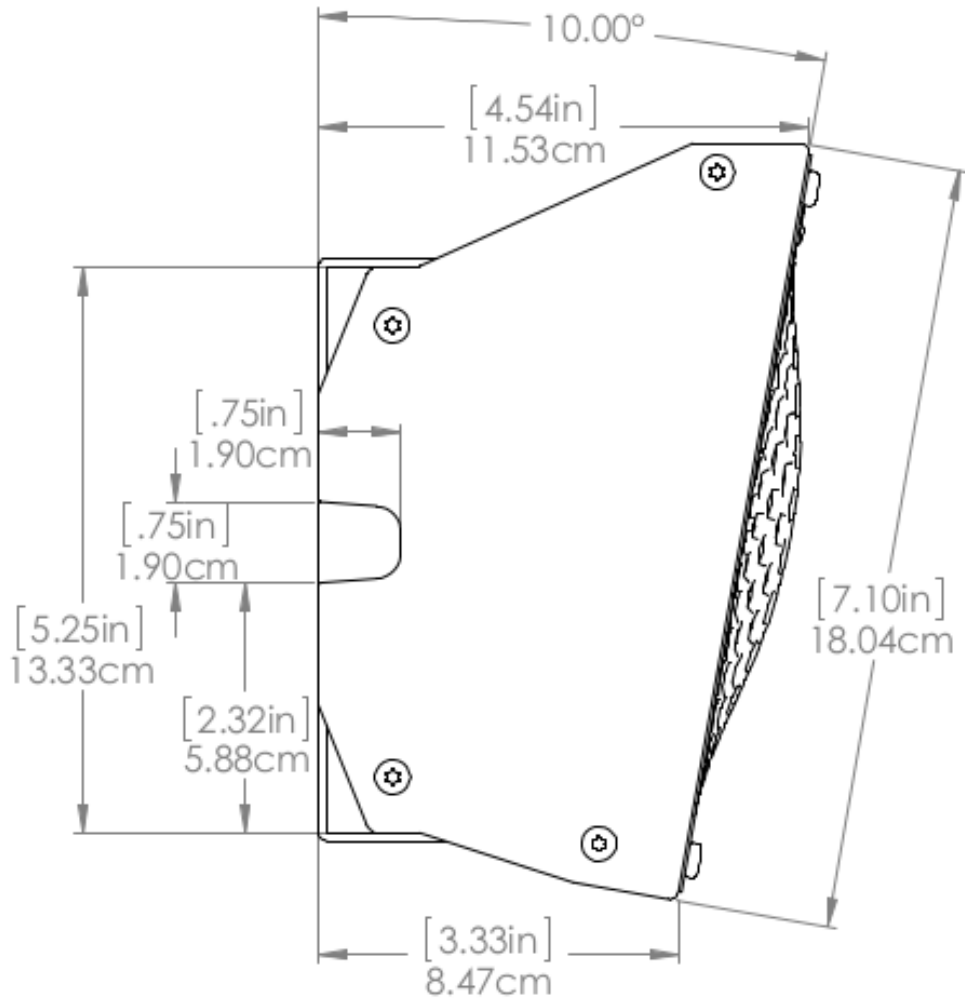
Rear View



Job Name: Model Numbers: Date:

Location: Notes:

Side View



Job Name:

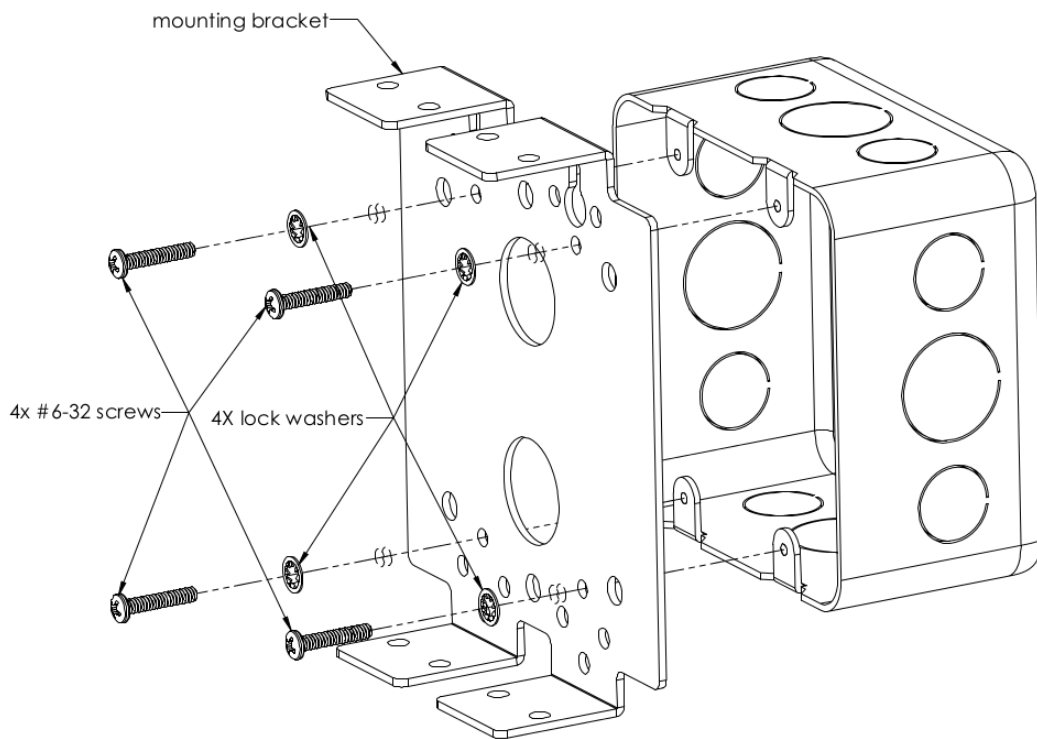
Model Numbers:

Date:

Location:

Notes:

Mounting Bracket



Job Name:

Model Numbers:

Date:

Location:

Notes:

Double Sided IP Display with InformaCast® and SIP



Description

Wahsega's line of PoE-enabled IP Displays enables continuous time and date display but also allows for critical textual information to be scrolled on the display. The Wahsega POE-enabled Double Sided IP Display has two opposing LED displays that supports over 32,000 colors with an LED resolution that is twice what competing products provide, allowing for more information to be displayed. All text is rendered using Vector Fonts, allowing for improved readability.

The Wahsega Double Sided IP Display supports dual registration with InformaCast® and SIP as well as multicast for background music. With network connectivity, scrolling LED display, built-in speaker and multi-color flashers, the Wahsega Double Sided IP Display broadcasts both audible and visible messages to hallways, classroom, offices and an average sized room.

Two integrated relays let building managers remotely control external devices. A built-in microphone allows for two-way SIP communication, and time synchronization is handled by a network SNTP Server.

The Wahsega POE-enabled Double Sided IP Display can even power a second, auxiliary speaker up to 20 meters away via an Ethernet cable, increasing the audio coverage in the space.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Dual registration: SIP and InformaCast
- Automatic InformaCast server registration
- PoE 802.3af enabled
- Able to drive second Wahsega analog speaker $\leq 20\text{m}$ away via Cat5e or Cat6
- Fully configurable via simple webpages
- Multiple audio codecs to choose from
- Simple surface-mount wall installation
- Built-in microphone for two-way communication
- Web-based mic and speaker volume control
- Classroom sound reinforcement audio input wallplate available
- Status feedback
- Two onboard relays for door control
- Text display up to 5" high
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement wallplate
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- One to three lines of text display
- Time set by network SNTP Server with no manual adjustments necessary
- Receive bell and event schedule alerts from InformaCast or third party
- Display 12- or 24-hour clock with four or six numerals
- Auto-dim feature for energy reduction
- Text display is configurable for scrolling of page by page mode.
- 32,768 LED colors
- 32 x 64 resolution

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: < 1 Watt
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: G.711, G.726, G.722, G.729, DVI4, Linear PCM, iLBC, Speex, SILK, Opus
- Audio Sampling: CD audio of 44.1kHz for InformaCast® high quality announcements
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: $120^\circ / 4$ kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Secondary Speaker Cat5e or Cat6 Cable Length: 20m
- Temperature Range: -40°C to $+85^\circ\text{C}$
- Weight: 13.25 lbs
- Overall Dimensions: 20.35" W x 7.74" H x 8.25" D (Bracket adds 4.95" W)
- LED Panel Dimensions: 5" tall x 10" wide
- Construction: Metal housing with polyester powdercoat paint
- Warranty: 2 years limited

Job Name: Model Numbers: Date:

Location: Notes:

Model Numbers

WL-IPD-SPKR-510D-INF-F

Wahsega Labs	Display	Speaker	Display Height	Display Width	Protocol	Options
WL	IPD	SPKR	5	10D	INF	F
Wahsega Labs	IP Display	with Speaker	5 = 5" High Display	10 = 10" Wide Display 20 = 20" Wide Display 30 = 30" Wide Display 40 = 40" Wide Display D = Double Sided	SIP = SIP + Multicast INF = SIP + InformaCast	F = with Flashers C = Ceiling Mount O = Outdoor

Installation

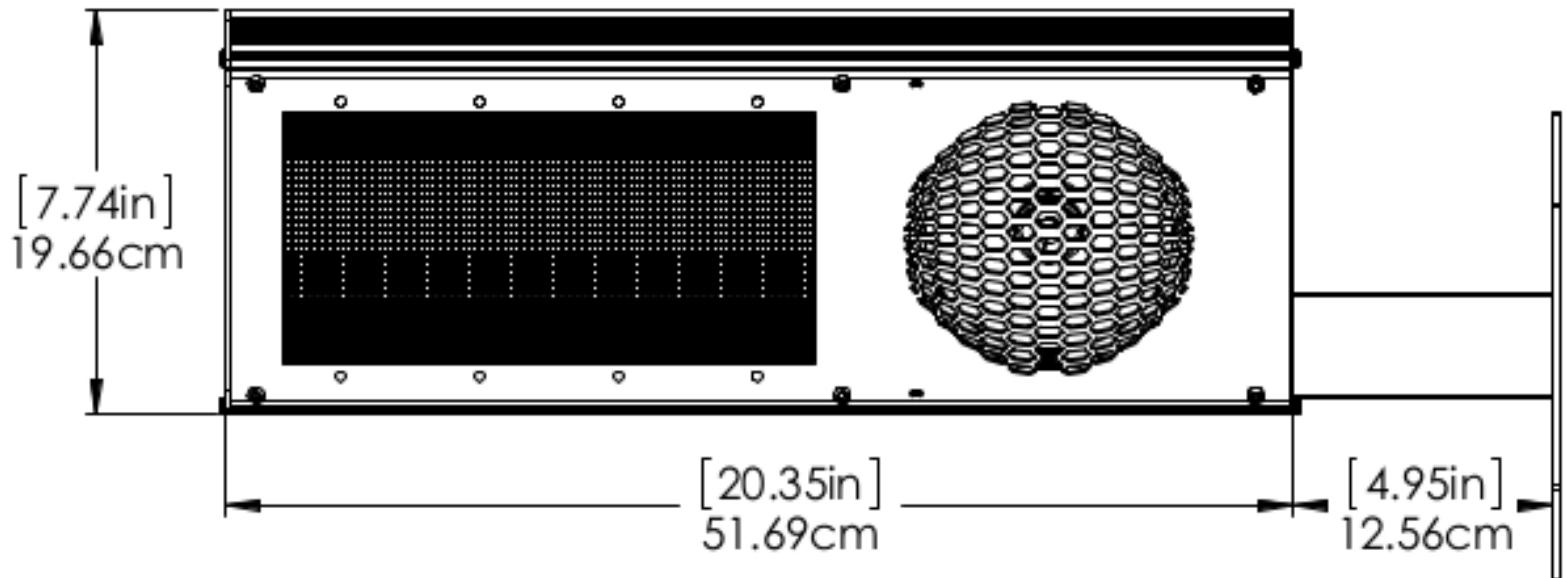
Simple, surface mount wall installation with side access for wiring. Power supplied via Power over Ethernet (PoE) 802.3af. The Wahsega Double Sided IP Display mounts to the surface of a wall, using its included mounting bracket and 1/2" bolts with the appropriate anchors for your surface material.

Job Name: Model Numbers: Date:

Location: Notes:

Dimensions

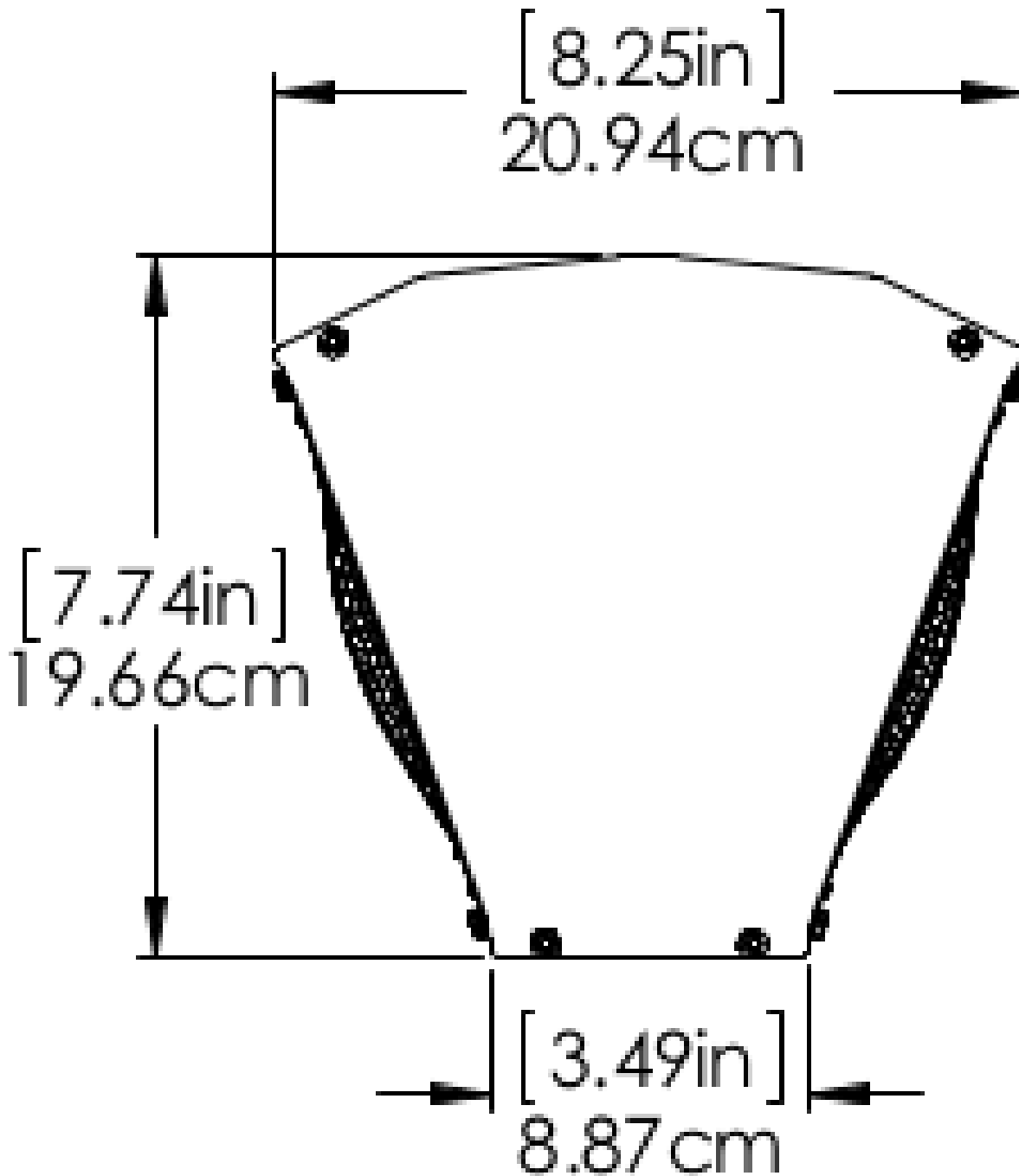
Front View



Job Name: Model Numbers: Date:

Location: Notes:

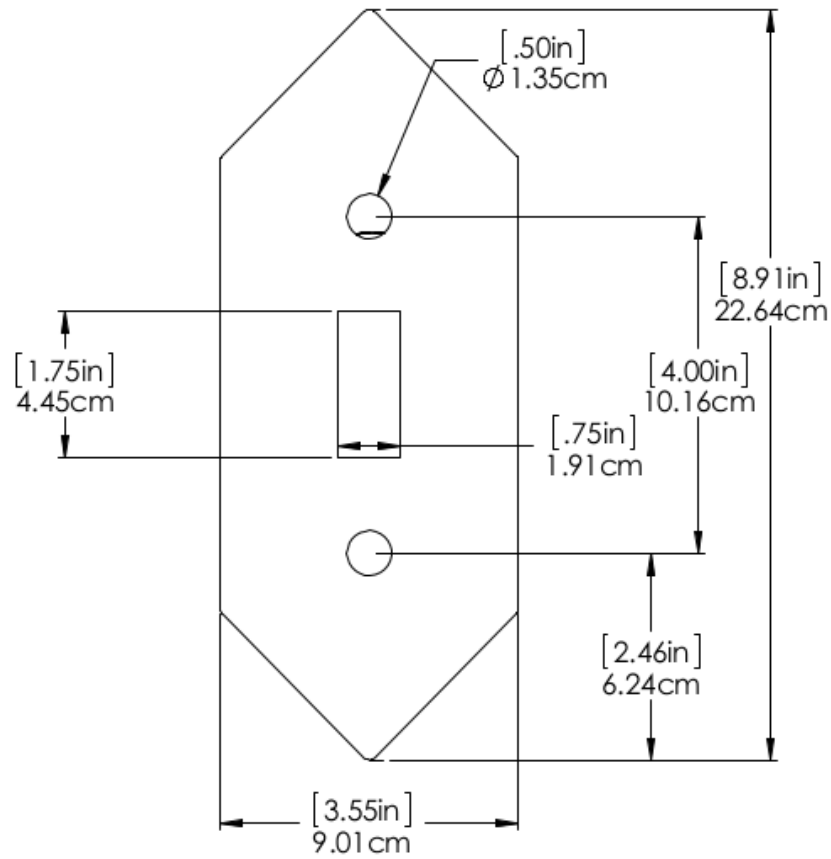
Side View



Job Name: Model Numbers: Date:

Location: Notes:

Mounting Bracket



Job Name: Model Numbers: Date:

Location: Notes:

Carina 2x2 IP Ceiling Speaker



Description

The Carina 2x2 IP Ceiling Speaker receives and plays audio broadcasts from the Carina Event Manager via multicast and can also place and answer two-way SIP calls using an IP PBX such as Wahsega's Paging Intercom Server (PICS).

The Carina 2x2 IP Ceiling Speaker works with standard call buttons or the Wahsega Call Button. Advanced functionality can reduce the number of false alarms from that call button, as a brief button press places a SIP call to one preconfigured number—such as the front office—while a longer press-and-hold will call a second preconfigured number, such as a security desk.

An optional room sound reinforcement panel allows users to play audio from a local source such as a computer or smartphone. Incoming broadcasts and calls mute the local audio, making sure users never miss an alert or announcement.

The Carina 2x2 Ceiling Speaker also has the ability to drive a second, independent and lower-cost Wahsega speaker up to 20 meters away via Cat5e or Cat6 cable. For larger classrooms where a second speaker is needed, the Wahsega Extension Speaker (WL-SPKR-xx-A) can be used to increase audio coverage without the need for a second PoE homerun. Alternately, the Carina 2x2 IP Ceiling Speaker can be used in conjunction with the Wahsega Second Room Speaker (WL-SPKR-xx-2R) for independent control of two separate rooms, using only one PoE port and cable homerun.

The Carina Event Manager automatically discovers and registers the Carina 2x2 IP Ceiling Speaker at startup, and all programming and configuration can be handled individually or in bulk through the Carina Event Manager dashboard. This greatly simplifies the installation process and makes it easy to manage the system once installed.

With simple installation and advanced functionality, the Carina 2x2 IP Ceiling Speaker is perfect for education, healthcare, industrial and commercial deployments.



Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Able to drive second Wahsega classroom speaker up to 20m away via Cat5e or Cat6
- Dual registration: SIP and Carina
- PoE 802.3af enabled (Power-over-Ethernet)
- Industry-leading low standby power
- Fully configurable via Carina Event Manger
- Auto-discovery on the Wahsega Carina Event Manager
- QR code label for easy MAC address ID
- Simple 2x2 grid lay-in ceiling installation
- Standard earthquake tabs for stability
- Integrated status LED
- Integrated microphone
- Two onboard relays for door control
- Compatible with standard call buttons
- Advanced call button functionality to reduce false alarms
- Web-based mic and speaker volume control
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement faceplate
- Available sound reinforcement input wallplate

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: <2 Watts
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: 16-bit PCM (uncompressed), u-law (G.711u), a-law (G.711a), G.722, G.729
- Audio Sampling: 8 kHz, 16 kHz, or 32 kHz
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: 120° / 4 kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Auxiliary Speaker Cable Length (Cat5e or Cat6): 20m
- Temperature Range: -40°C to +60°C
- Dimensions: 24" x 24" x 4.44"
- Construction: 24-gauge steel housing with white polyester powdercoat paint
- Options: Remote Sound Reinforcement Wallplate, Wahsega Auxiliary Speaker
- Warranty: 2 years limited

Job Name: **Model Numbers:** **Date:**

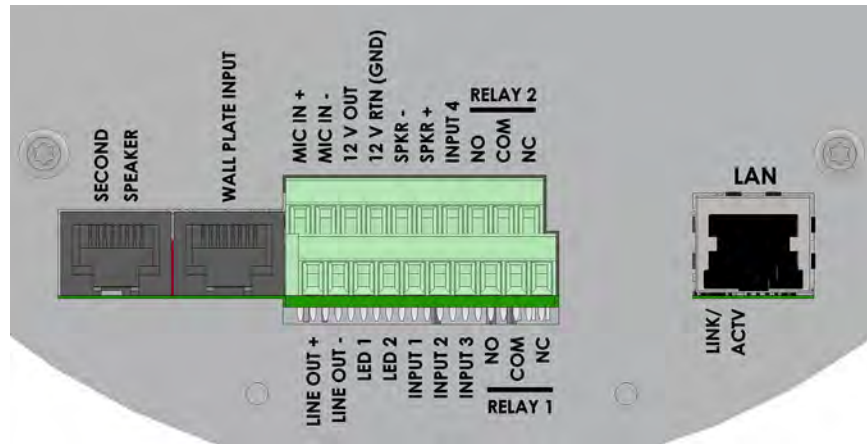
Location: **Notes:**

Model Numbers

WL-SPKR-22-CAR

Wahsega Labs	Speaker	Mount	Protocol
WL	SPKR	22	CAR
Wahsega Labs	Speaker	22 = 2x2 Lay-in SMT = Surface Mount	CAR = Carina INF = InformaCast

Connections



Installation

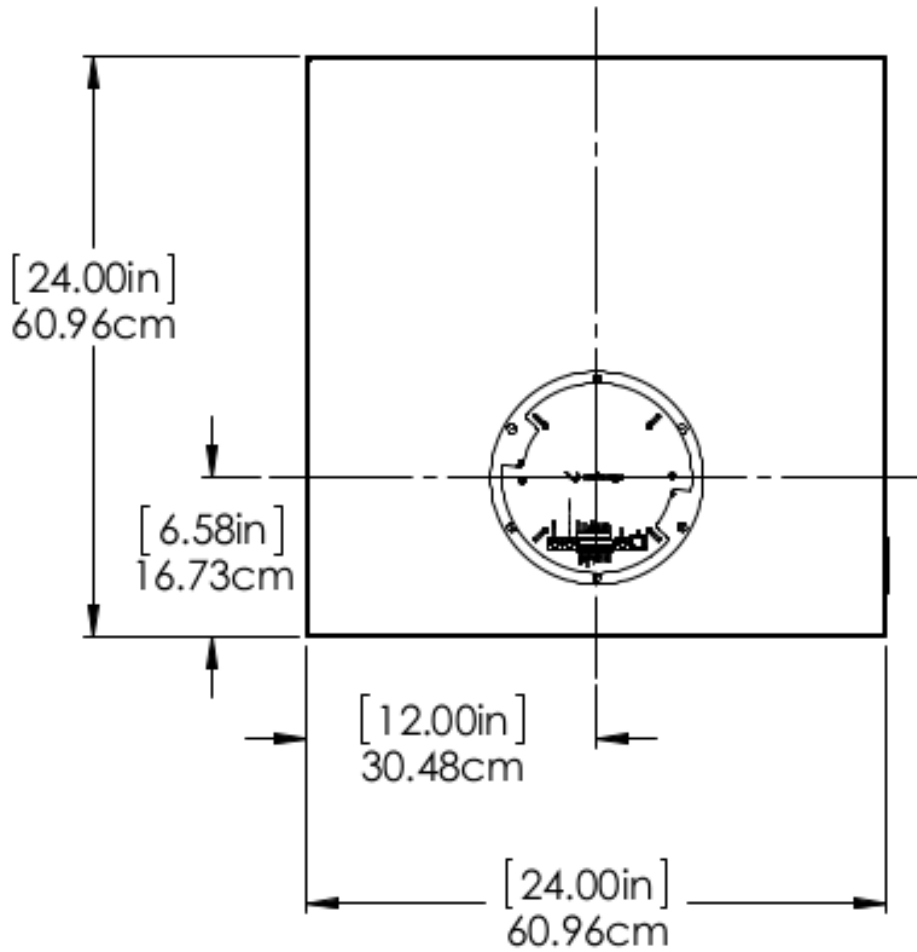
Standard 2x2 lay-in mounting with earthquake tabs for added stability. Power supplied via Power-over-Ethernet (PoE) 802.3af.

Job Name: Model Numbers: Date:

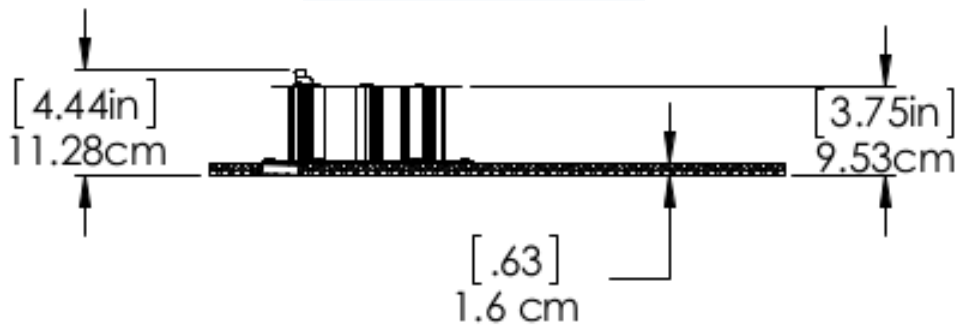
Location: Notes:

Dimensions

Length and Width



Ceiling Depth



Job Name: Model Numbers: Date:

Location: Notes:

Panic/Call Button Wall Plate



Description

The Wahsega Labs Panic/Call Button Wall Plate is an accessory device designed for use with Wahsega speakers to initiate two-way SIP calls. Designed and manufactured in the USA, the Panic/Call Button Wall Plate mounts in a single-gang electrical box and is wired to the speaker via low voltage cables, secured to screw terminal connectors on the rear of the button assembly. Simply press and release the button to activate a SIP phone call at the speaker.

Features

- Push button
- Simple wall-mount installation
- Standard single-gang wallplate size
- Commercial-grade steel construction

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Dimensions: 4.63" x 2.88" x 0.78" (H x W x D)
- Faceplate Materials: 14 gauge steel with powdercoat glossy white finish
- Temperature Range: -40°C to +60°C
- Warranty: 2 years limited

Model Number

WL-SPKR-RB-W

Wahsega Labs	Speaker	Function	Color
WL	SPKR	RB	W
Wahsega Labs	SPKR = Speaker	RB = Remote Button	W = White

Connections

Connects to the Wahsega speaker or Zone Controller via 2-wire low voltage cable attached at screw terminals on rear of plate. Maximum distance from speaker is 20 meters. Not compatible with Wahsega Extension Speaker (-A) models.

Installation

Standard single-gang electrical box, not provided.

Compatibility

WL-SPKR-ALT-SIP
WL-SPKR-22-CAR
WL-SPKR-22-INF
WL-SPKR-22-CAR-2CH
WL-SPKR-22-INF-2CH
WL-SPKR-22-2R
WL-SPKR-SMT-CAR
WL-SPKR-SMT-INF

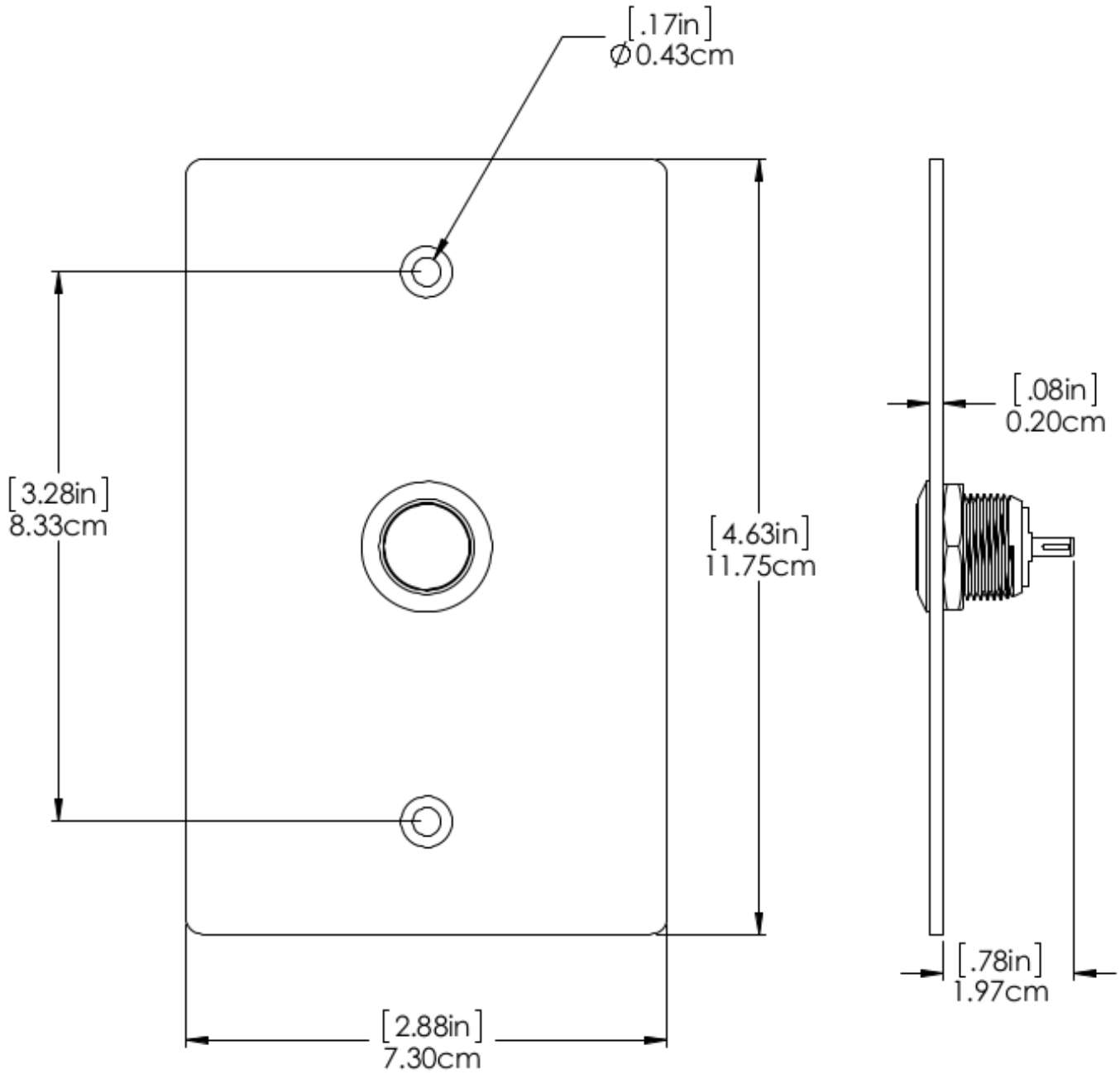
WL-SPKR-SMT-CAR-2CH
WL-SPKR-SMT-INF-2CH
WL-SPKR-SMT-2R
WL-IPD-SPKR-510-CAR
WL-IPD-SPKR-510-INF
WL-IPD-SPKR-520-CAR
WL-IPD-SPKR-520-INF
WL-IPD-SPKR-510D-CAR

WL-IPD-SPKR-510D-INF
WL-IPD-SPKR-510D-CAR-TM
WL-IPD-SPKR-510D-INF-TM
WL-IPD-SPKR-540-CAR
WL-IPD-SPKR-540-INF
WL-ZN-CTR-1CH-CAR-R
WL-ZN-CTR-1CH-INF-R
WL-ZN-CTR-2CH-INF

Job Name: Model Numbers: Date:

Location: Notes:

Dimensions



WL-SPKR-RB-W

Job Name: Model Numbers: Date:

Location: Notes:

Second Room Surface Mount Wall Speaker



Description

The Second Room Surface Mount Wall Speaker works in conjunction with a Wahsega Primary Speaker, allowing installers to cover two distinct audio zones using only one POE drop. The Second Room Speaker receives all of its data and power from its connected Primary Speaker, and yet it can be registered as a separate SIP account and separate audio zone, appearing to the end user to be completely independent. All programming is configured at the Primary Speaker.

The Second Room Speaker has its own Call/Panic Button input, Sound Reinforcement Panel input, microphone, and relays. It may be installed within twenty meters of its connected Primary speaker.

This Second Room Speaker may be used with Wahsega Wall-Mount or Ceiling-Mount speakers from any Wahsega speaker product family, including SIP, InformaCast and Carina. The Second Room Speaker is not a standalone device.

Features

- PoE 802.3af enabled
- Industry-low standby power consumption
- Fully configurable via simple webpages
- Simple surface-mount wall installation
- Integrated status LED
- Microphone input
- Web-based mic and speaker volume control
- Two onboard relays for door control
- Optional classroom sound reinforcement audio input wallplate
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- RJ45 connections for simplified connection to primary speaker and optional remote sound reinforcement

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af (from Wahsega Primary Speaker only)
- Standby power: <2 Watts
- Speaker Drive Capabilities: 5W
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: 120° / 4 kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max Cat5e or Cat6 distance to Primary Speaker: 20m
- Temperature Range: -40°C to +60°C
- Dimensions: 9.25" x 7.0" x 4.62"
- Construction: 24-gauge steel housing with white polyester powdercoat paint
- Options: Remote Sound Reinforcement Wallplate, Call/Panic Button
- Warranty: 2 years limited

Model Numbers

WL-SPKR-SMT-2R

Wahsega Labs	Speaker	Mount	Functionality
WL	SPKR	SMT	2R
Wahsega Labs	Speaker	Surface Mount	A = Extension 2R = Second Room

Installation

Simple, surface mount wall installation with rear conduit access and side raceway access for wiring. Power supplied via Power-over-Ethernet (PoE 802.3af) connection from Wahsega Primary Speaker. Only one Secondary Speaker (WL-SPKR-xx-A or WL-SPKR-xx-2R) per Wahsega Primary Speaker.

Compatibility

WL-SPKR-SMT-CAR
WL-SPKR-SMT-INF

WL-SPKR-SMT-CAR-2CH
WL-SPKR-SMT-INF-2CH

WL-SPKR-22-CAR
WL-SPKR-22-INF

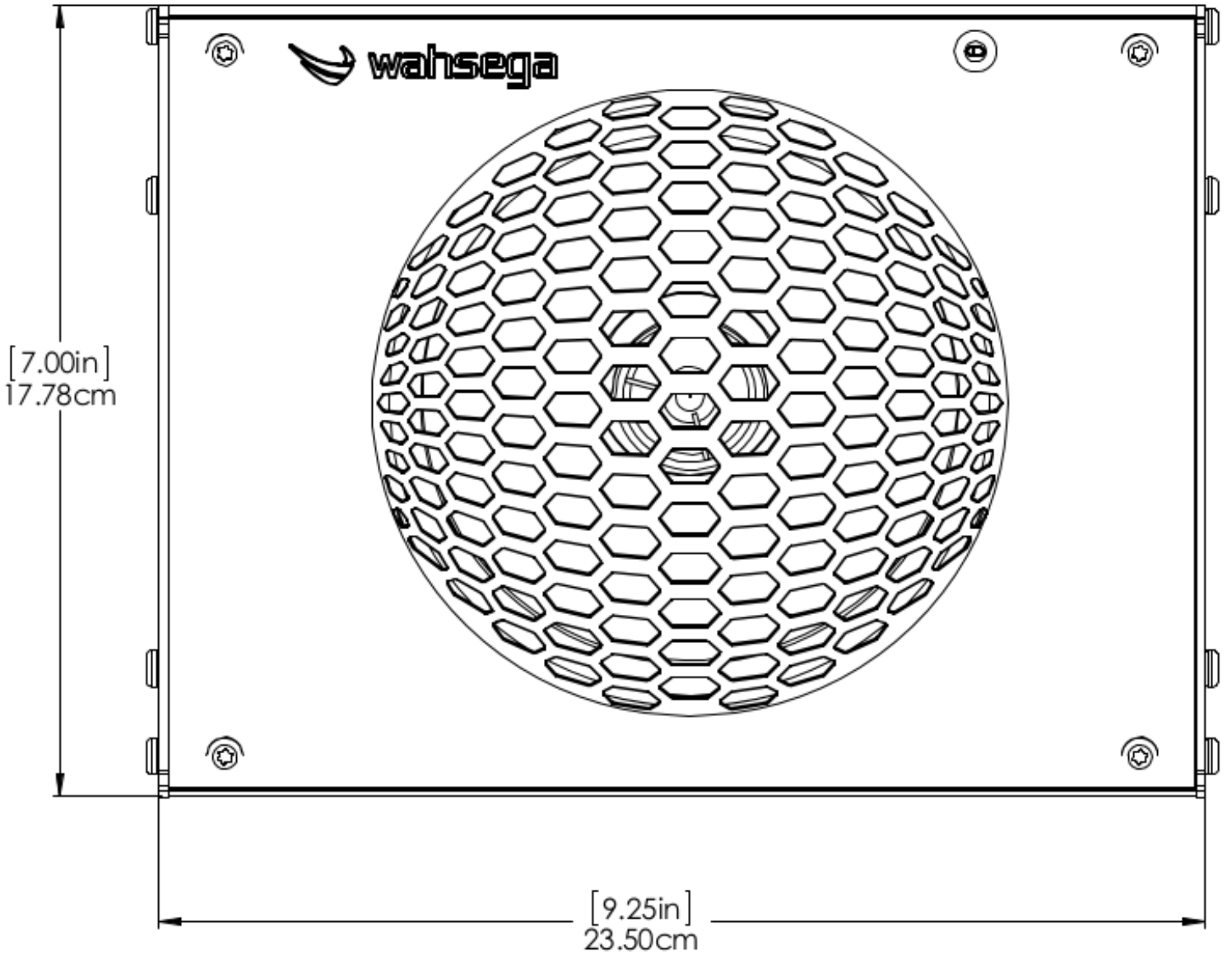
WL-SPKR-22-CAR-2CH
WL-SPKR-22-INF-2CH

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Dimensions

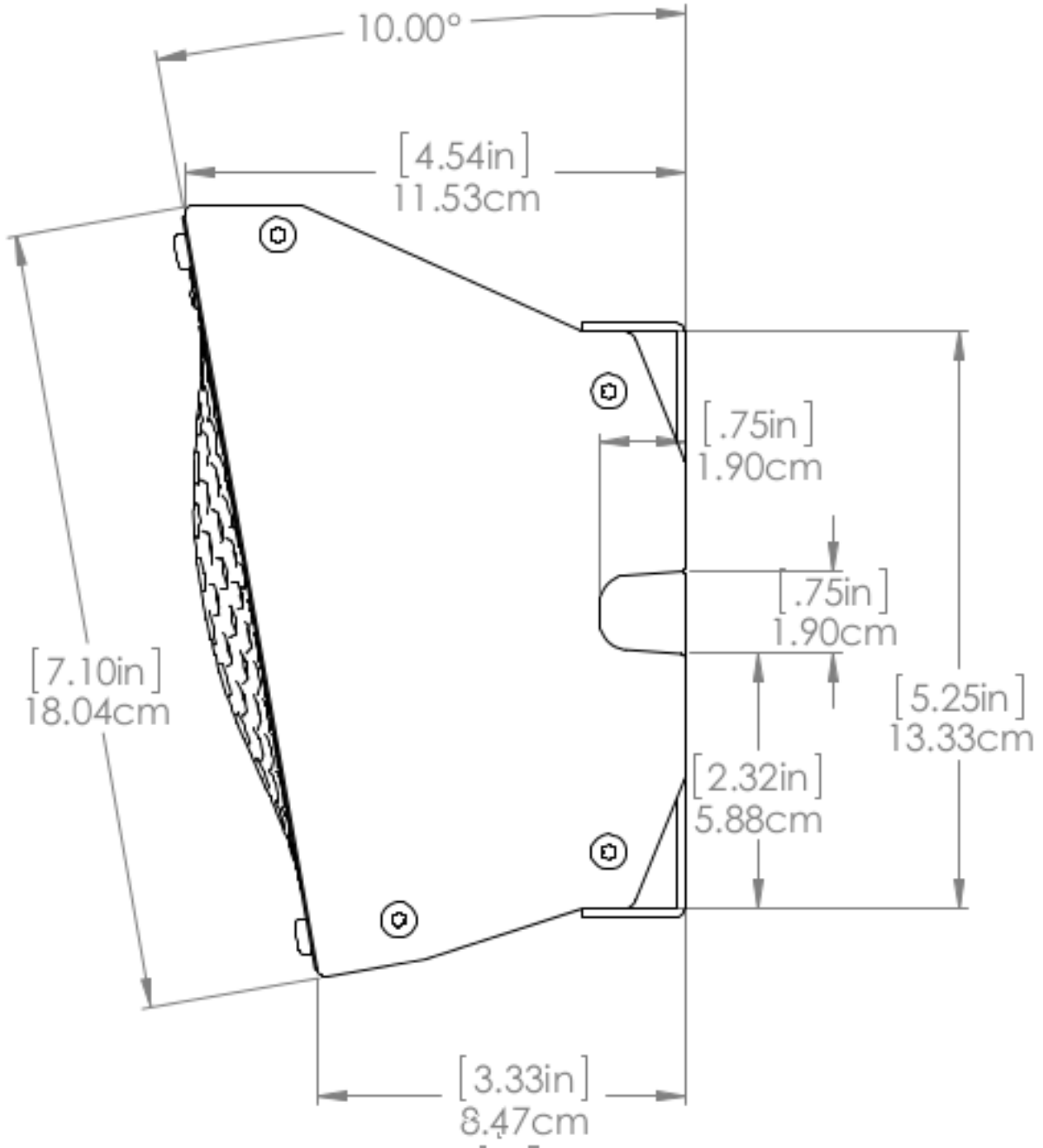
Front View



Job Name: Model Numbers: Date:

Location: Notes:

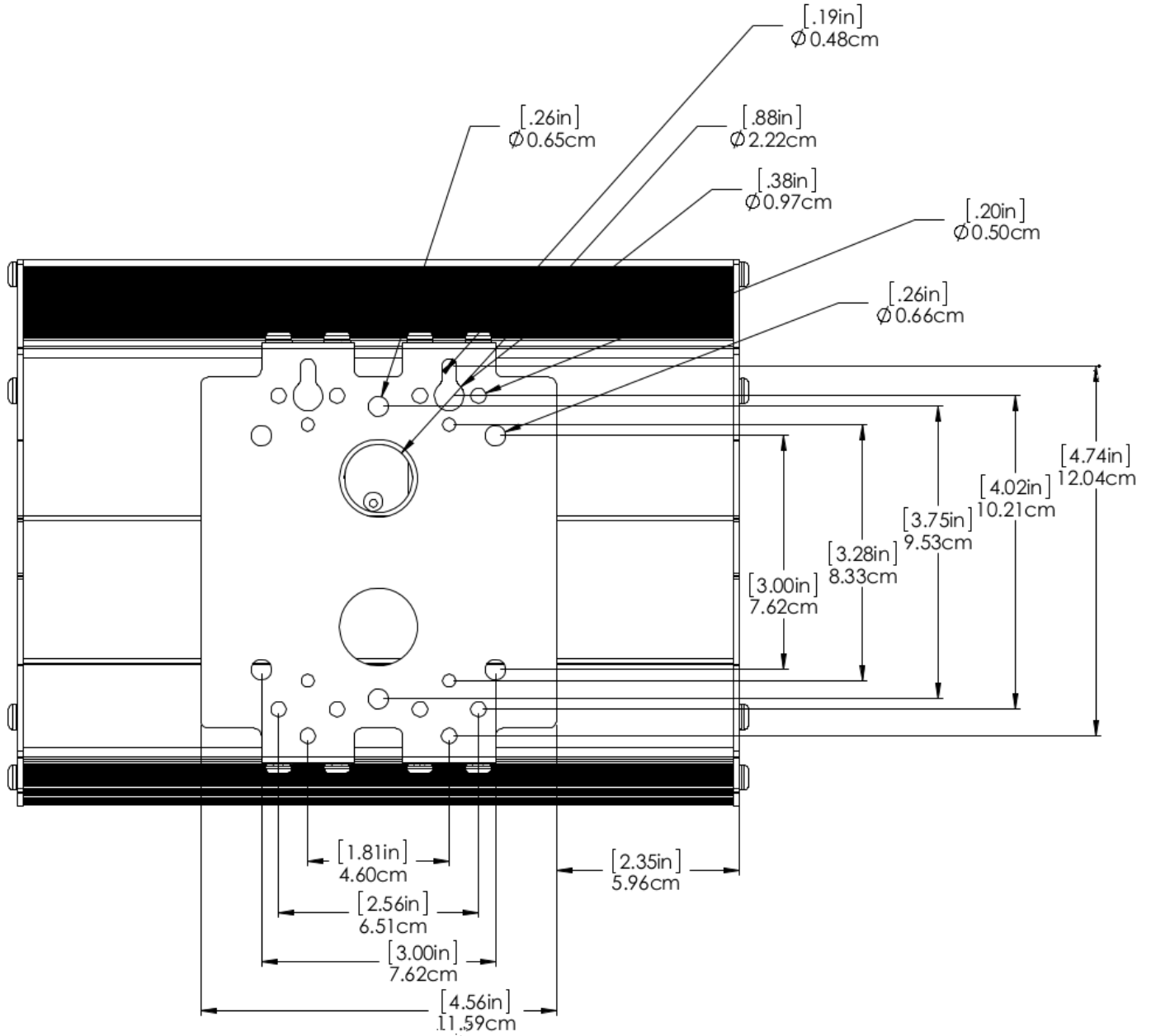
Side View



Job Name: Model Numbers: Date:

Location: Notes:

Rear View



Job Name:

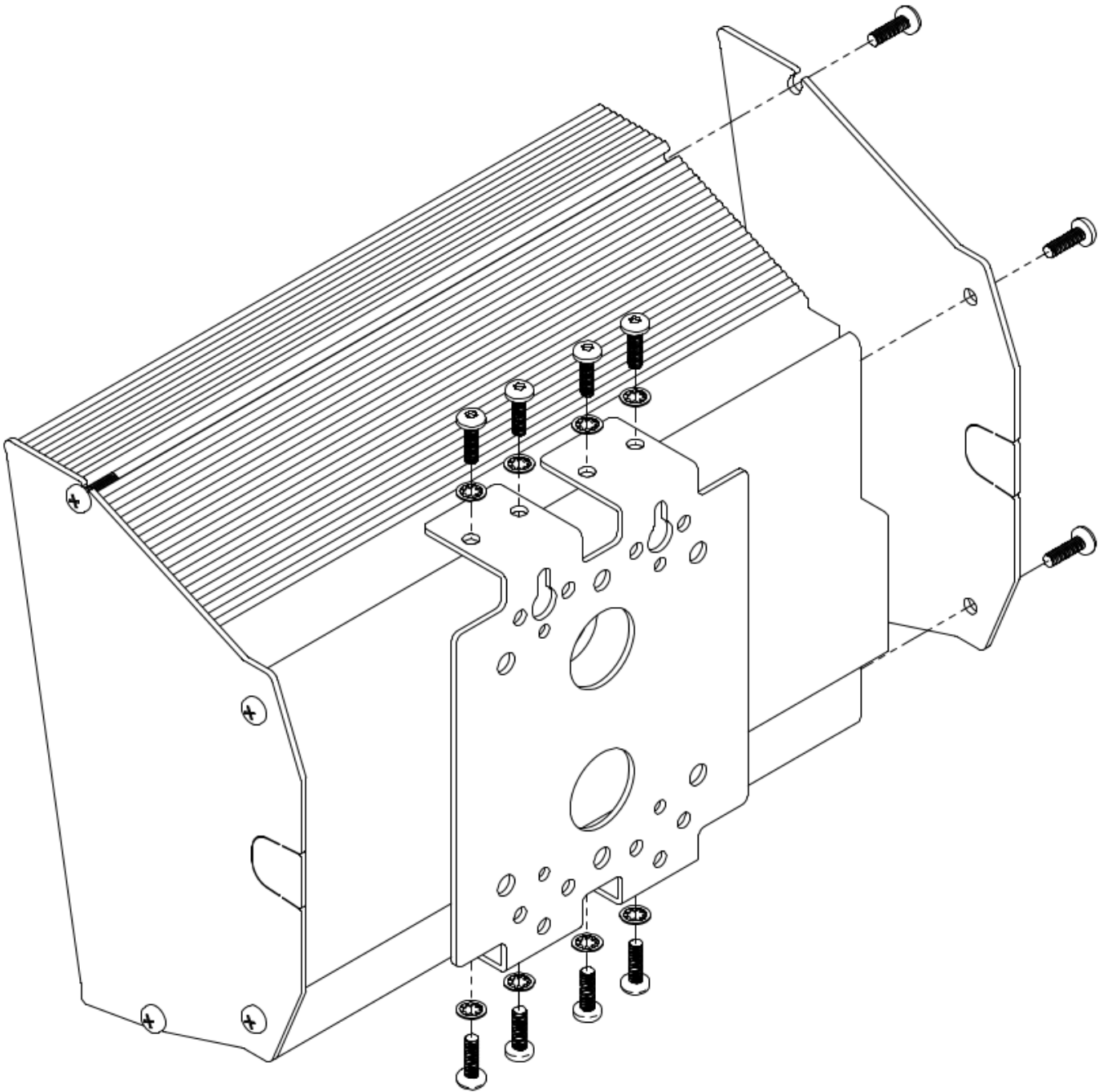
Model Numbers:

Date:

Location:

Notes:

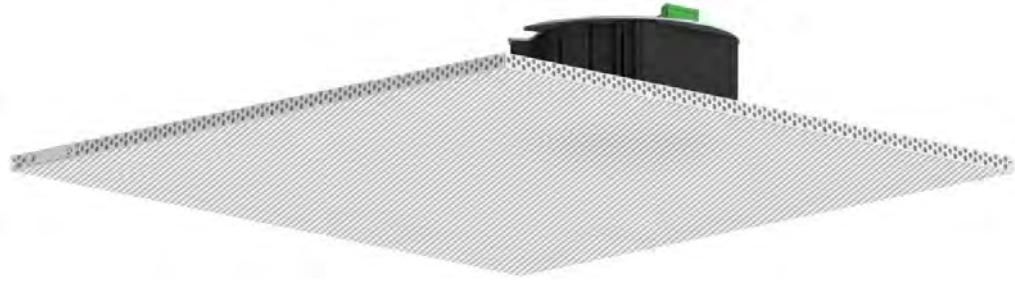
Installation View



Job Name: Model Numbers: Date:

Location: Notes:

2x2 Extension Ceiling Speaker



Description

The 2x2 Extension Ceiling Speaker works in conjunction with a Wahsega Primary Speaker or Wahsega IP display to increase single-room audio coverage without the need for a second PoE cable run.

This Extension Speaker may be used with Wahsega primary Wall-Mount, Ceiling-Mount and IP Display speakers from any Wahsega speaker and display product family, including Carina and InformaCast. The Extension Speaker is not a standalone speaker.

All audio and data is provided from the primary speaker, and all programming is configured through the primary speaker or display. Once the primary speaker or display is properly programmed, this speaker will play the same audio as the primary speaker or display to which it is connected.

Features

- PoE provided by primary speaker
- Industry-low standby power consumption
- Simple drop-in ceiling grid installation
- Integrated status LED
- Web-based speaker volume control
- RJ45 connection for simplified installation

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af (from Wahsega Primary Speaker only)
- Standby power: <2 Watts
- Speaker Drive Capabilities: 5W
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: 120° / 4 kHz
- Max Cat5e or Cat6 Cable distance to Primary Speaker: 20m
- Temperature Range: -40°C to +60°C
- Dimensions: 24" x 24" x 4.44"
- Construction: 24-gauge steel housing with white polyester powdercoat paint
- Warranty: 2 years limited

Model Numbers

WL-SPKR-22-A

Wahsega Labs	Speaker	Mount	Functionality
WL	SPKR	22	A
Wahsega Labs	Speaker	22 = 2x2 Lay-in SMT = Surface Mount	A = Extension 2R = Second Room

Installation

Standard 2x2 lay-in mounting with earthquake tabs for added stability. Power supplied via Power-over-Ethernet (PoE 802.3af) connection from Wahsega Primary Speaker. Only one Secondary Speaker (WL-SPKR-xx-A or WL-SPKR-xx-2R) per Wahsega Primary Speaker.

Compatibility

WL-SPKR-SMT-CAR
WL-SPKR-SMT-INF
WL-SPKR-SMT-CAR-2CH
WL-SPKR-SMT-INF-2CH

WL-SPKR-22-CAR
WL-SPKR-22-INF
WL-SPKR-22-CAR-2CH
WL-SPKR-22-INF-2CH

WL-IPD-SPKR-510-CAR
WL-IPD-SPKR-510-INF
WL-IPD-SPKR-510-CAR-2CH
WL-IPD-SPKR-510-INF-2CH
WL-IPD-SPKR-520-CAR
WL-IPD-SPKR-520-INF

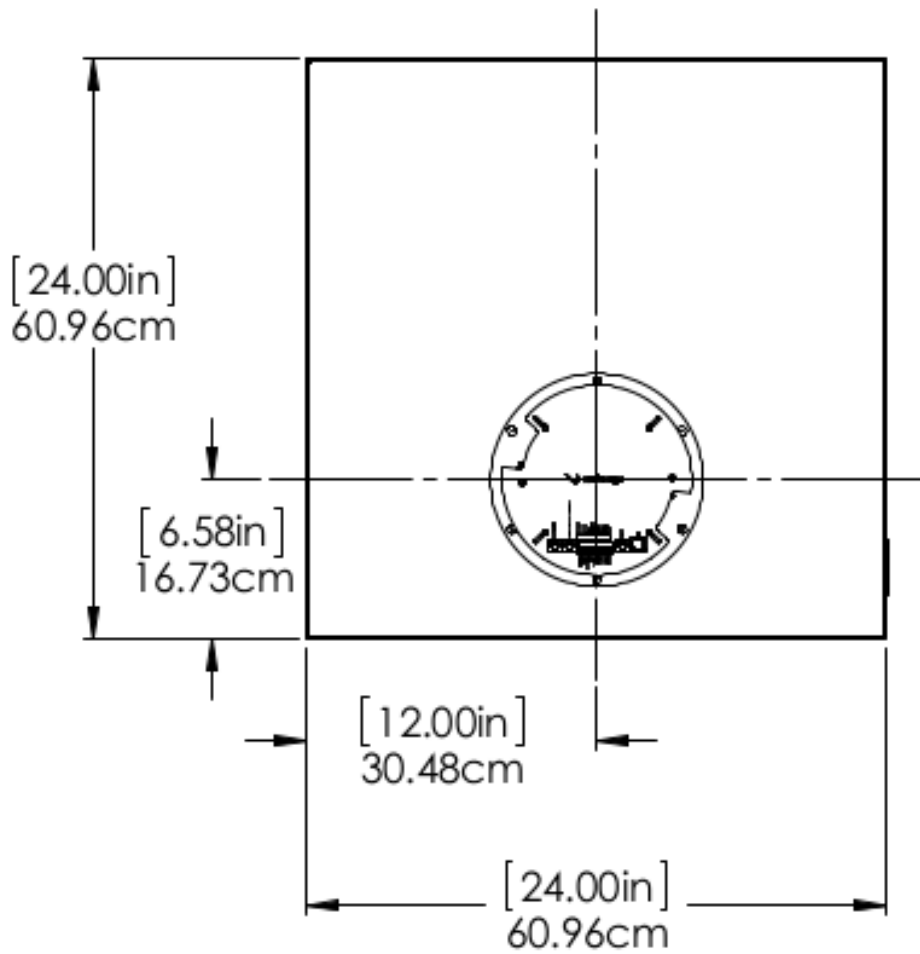
WL-IPD-SPKR-510D-CAR
WL-IPD-SPKR-510D-INF
WL-IPD-SPKR-510D-CAR-TM
WL-IPD-SPKR-510D-INF-TM
WL-IPD-SPKR-540-CAR
WL-IPD-SPKR-540-INF

Job Name: **Model Numbers:** **Date:**

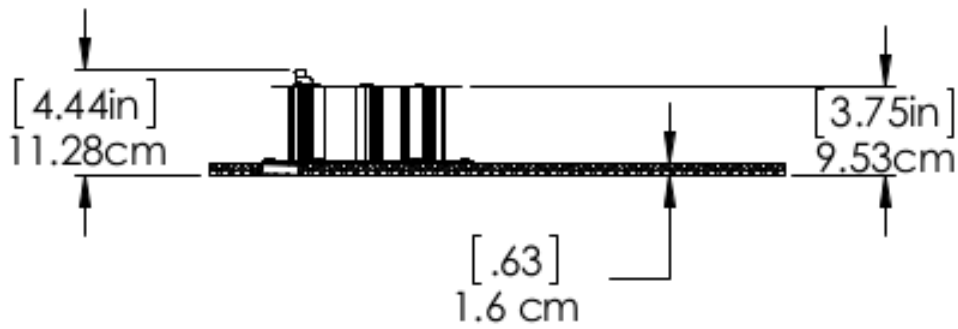
Location: **Notes:**

Dimensions

Length and Width



Ceiling Depth



Job Name:

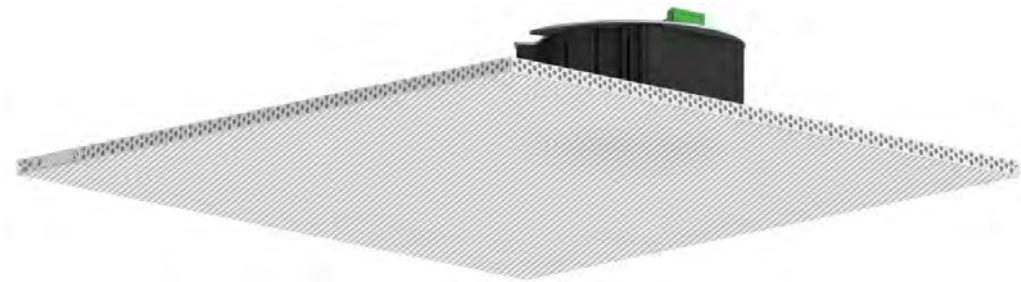
Model Numbers:

Date:

Location:

Notes:

Second Room 2x2 Ceiling Speaker



Description

The Second Room 2x2 Ceiling Speaker works in conjunction with a Wahsega Primary Speaker, allowing installers to cover two distinct audio zones using only one POE drop. The Second Room Speaker receives all of its data and power from its connected Primary Speaker, and yet it can be registered as a separate SIP account and separate audio zone, appearing to the end user to be completely independent. All programming is configured at the Primary Speaker.

The Second Room Speaker has its own Call/Panic Button input, Sound Reinforcement Panel input, microphone, and relays. It may be installed within twenty meters of its connected Primary speaker.

This Second Room Speaker may be used with Wahsega Wall-Mount or Ceiling-Mount speakers from any Wahsega speaker product family, including SIP, InformaCast and Carina. The Second Room Speaker is not a standalone device.

Features

- PoE 802.3af enabled
- Industry-low standby power consumption
- Fully configurable via simple webpages
- Simple drop-in ceiling grid installation
- Integrated status LED
- Microphone input
- Web-based mic and speaker volume control
- Two onboard relays for door control
- Optional classroom sound reinforcement audio input wallplate
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- RJ45 connections for simplified connection to primary speaker and optional remote sound reinforcement



Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af (from Wahsega Primary Speaker only)
- Standby power: <2 Watts
- Speaker Drive Capabilities: 5W
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: 120° / 4 kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max Cat5e or Cat6 distance to Primary Speaker: 20m
- Temperature Range: -40°C to +60°C
- Dimensions: 24" x 24" x 4.44"
- Construction: 24-gauge steel housing with white polyester powdercoat paint
- Options: Remote Sound Reinforcement Wallplate, Call/Panic Button
- Warranty: 2 years limited

Model Numbers

WL-SPKR-22-2R

Wahsega Labs	Speaker	Mount	Functionality
WL	SPKR	22	2R
Wahsega Labs	Speaker	22 = 2x2 Lay-in SMT = Surface Mount	A = Extension 2R = Second Room

Installation

Standard 2x2 lay-in mounting with earthquake tabs for added stability. Power supplied via Power-over-Ethernet (PoE 802.3af) connection from Wahsega Primary Speaker. Only one Secondary Speaker (WL-SPKR-xx-A or WL-SPKR-xx-2R) per Wahsega Primary Speaker.

Compatibility

WL-SPKR-SMT-CAR
WL-SPKR-SMT-INF

WL-SPKR-SMT-CAR-2CH
WL-SPKR-SMT-INF-2CH

WL-SPKR-22-CAR
WL-SPKR-22-INF

WL-SPKR-22-CAR-2CH
WL-SPKR-22-INF-2CH

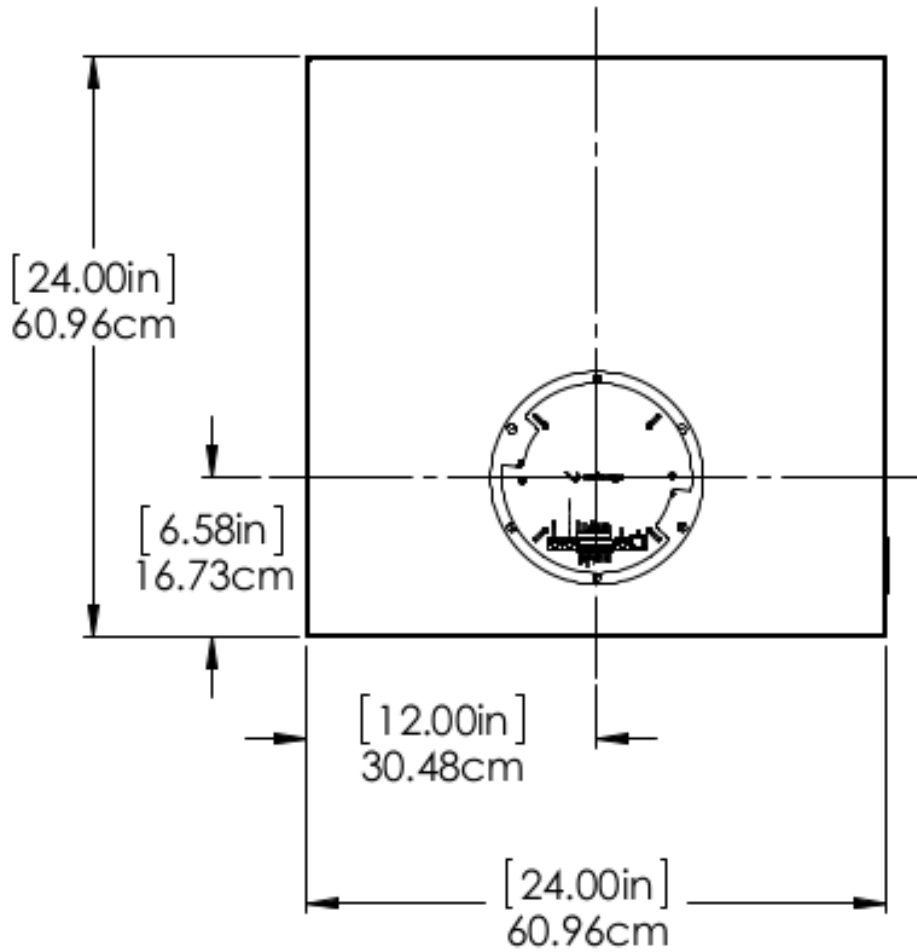


Job Name: **Model Numbers:** **Date:**

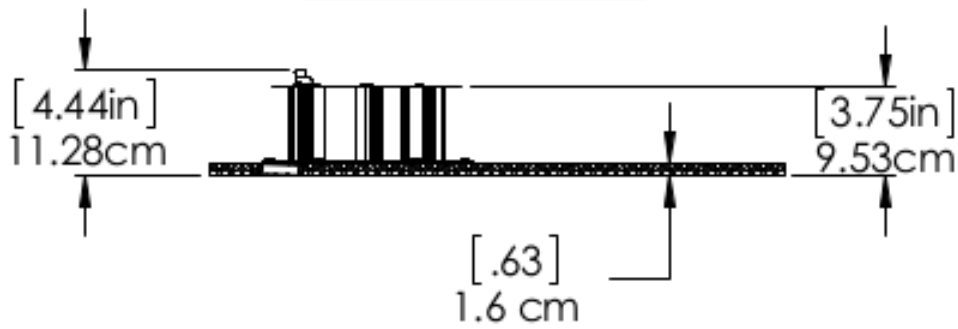
Location: **Notes:**

Dimensions

Length and Width



Ceiling Depth



Job Name:

Model Numbers:

Date:

Location:

Notes:

Surface Mount Extension Speaker



Description

The Surface Mount Extension Speaker works in conjunction with a Wahsega Primary Speaker or Wahsega IP display to increase single-room audio coverage without the need for a second PoE cable run.

This Extension Speaker may be used with Wahsega primary Wall-Mount, Ceiling-Mount and IP Display speakers from any Wahsega product family, including Carina and InformaCast. The Extension Speaker is not a standalone speaker.

All audio and data is provided from the primary speaker, and all programming is configured through the primary speaker or display. Once the primary speaker or display is properly programmed, this speaker will play the same audio as the primary speaker or display to which it is connected.

Features

- PoE provided by primary speaker
- Industry-low standby power consumption
- Simple drop-in ceiling grid installation
- Integrated status LED
- Web-based speaker volume control
- RJ45 connection for simplified installation

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af (from Wahsega Primary Speaker only)
- Standby power: <2 Watts
- Speaker Drive Capabilities: 5W
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: 120° / 4 kHz
- Max Cat5e or Cat6 Cable distance to Primary Speaker: 20m
- Temperature Range: -40°C to +60°C
- Dimensions: 24" x 24" x 4.44"
- Construction: 24-gauge steel housing with white polyester powdercoat paint
- Warranty: 2 years limited

Model Numbers

WL-SPKR-SMT-A

Wahsega Labs	Speaker	Mount	Functionality
WL	SPKR	SMT	A
Wahsega Labs	Speaker	Surface Mount	A = Extension 2R = Second Room

Installation

Simple, surface mount wall installation with rear conduit access and side raceway access for wiring. Power supplied via Power-over-Ethernet (PoE 802.3af) connection from Wahsega primary speaker. Only one secondary speaker (WL-SPKR-xx-A or WL-SPKR-xx-2R) per Wahsega primary speaker.

Compatibility

WL-SPKR-SMT-CAR
WL-SPKR-SMT-INF
WL-SPKR-SMT-CAR-2CH
WL-SPKR-SMT-INF-2CH

WL-SPKR-22-CAR
WL-SPKR-22-INF
WL-SPKR-22-CAR-2CH
WL-SPKR-22-INF-2CH

WL-IPD-SPKR-510-CAR
WL-IPD-SPKR-510-INF
WL-IPD-SPKR-510-CAR-2CH
WL-IPD-SPKR-510-INF-2CH
WL-IPD-SPKR-520-CAR
WL-IPD-SPKR-520-INF

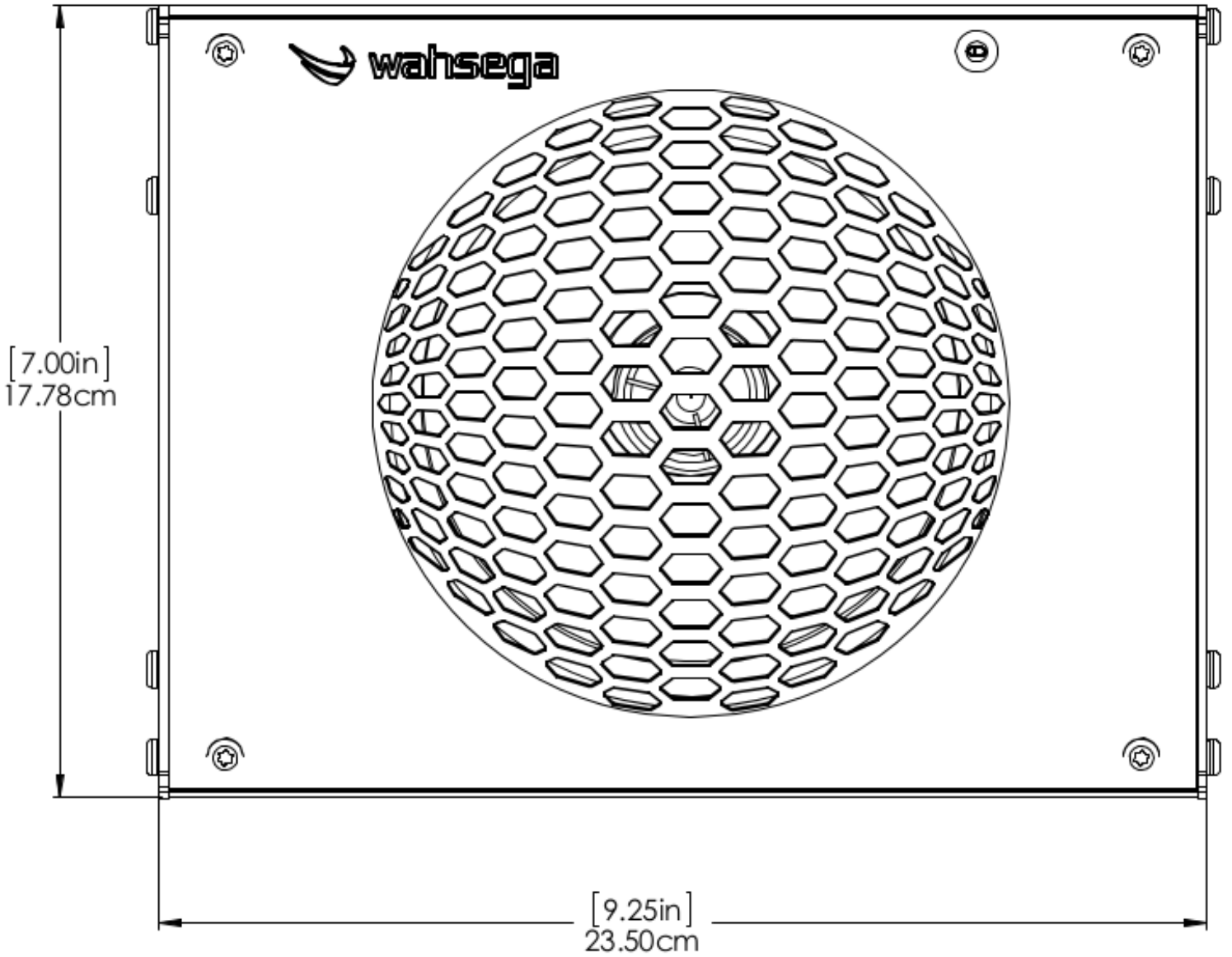
WL-IPD-SPKR-510D-CAR
WL-IPD-SPKR-510D-INF
WL-IPD-SPKR-510D-CAR-TM
WL-IPD-SPKR-510D-INF-TM
WL-IPD-SPKR-540-CAR
WL-IPD-SPKR-540-INF

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Dimensions

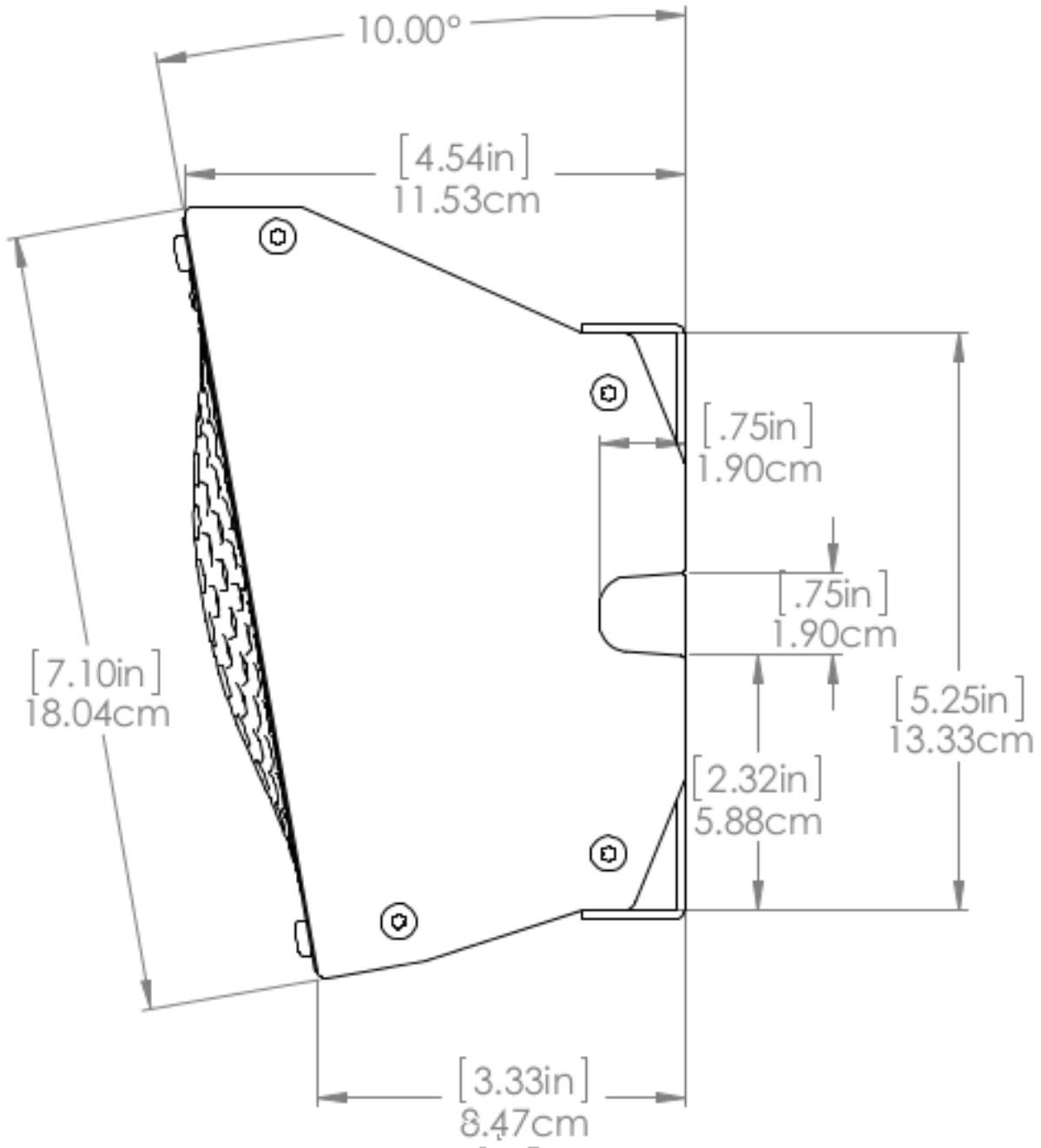
Front View



Job Name: Model Numbers: Date:

Location: Notes:

Side View



Job Name:

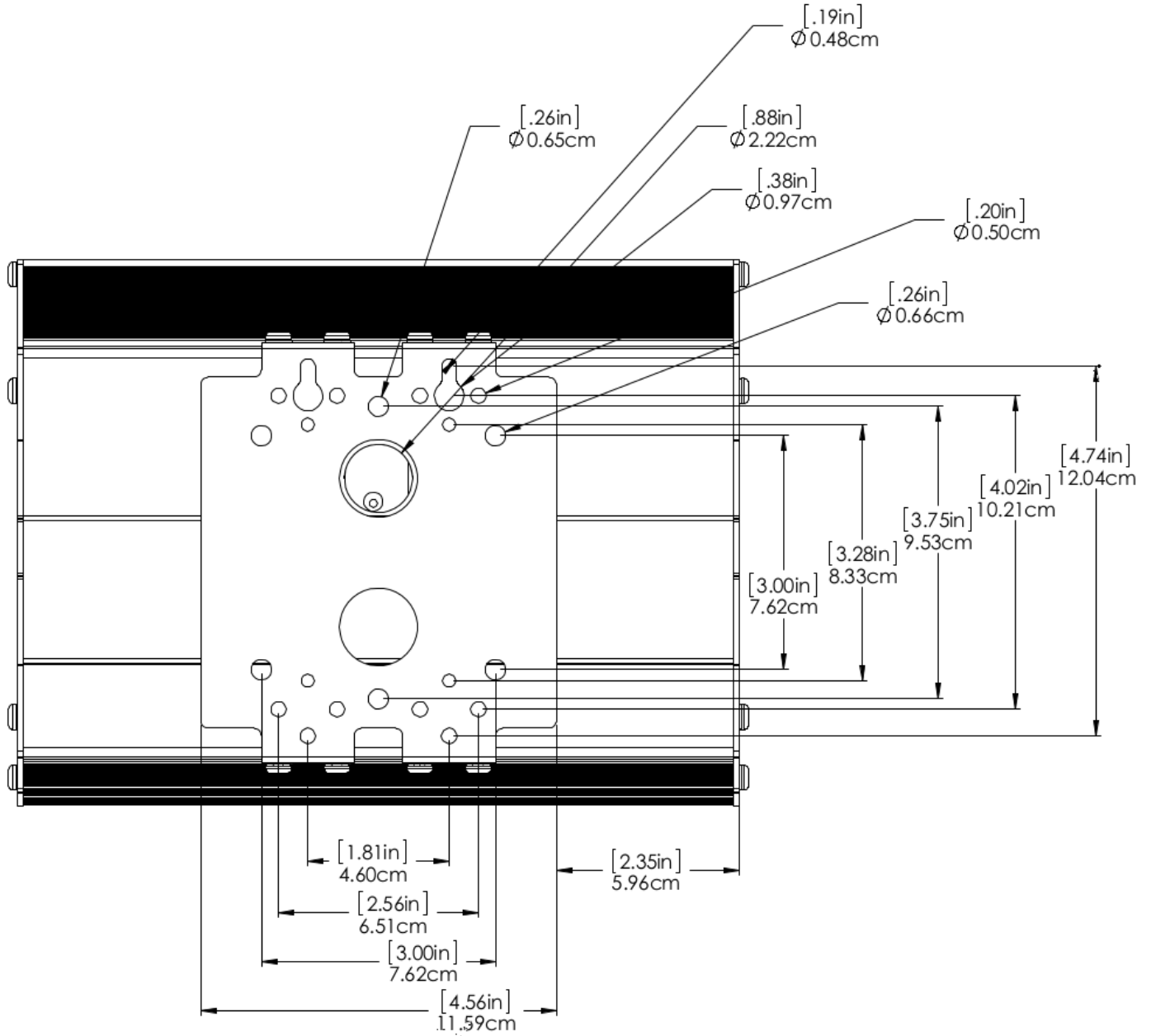
Model Numbers:

Date:

Location:

Notes:

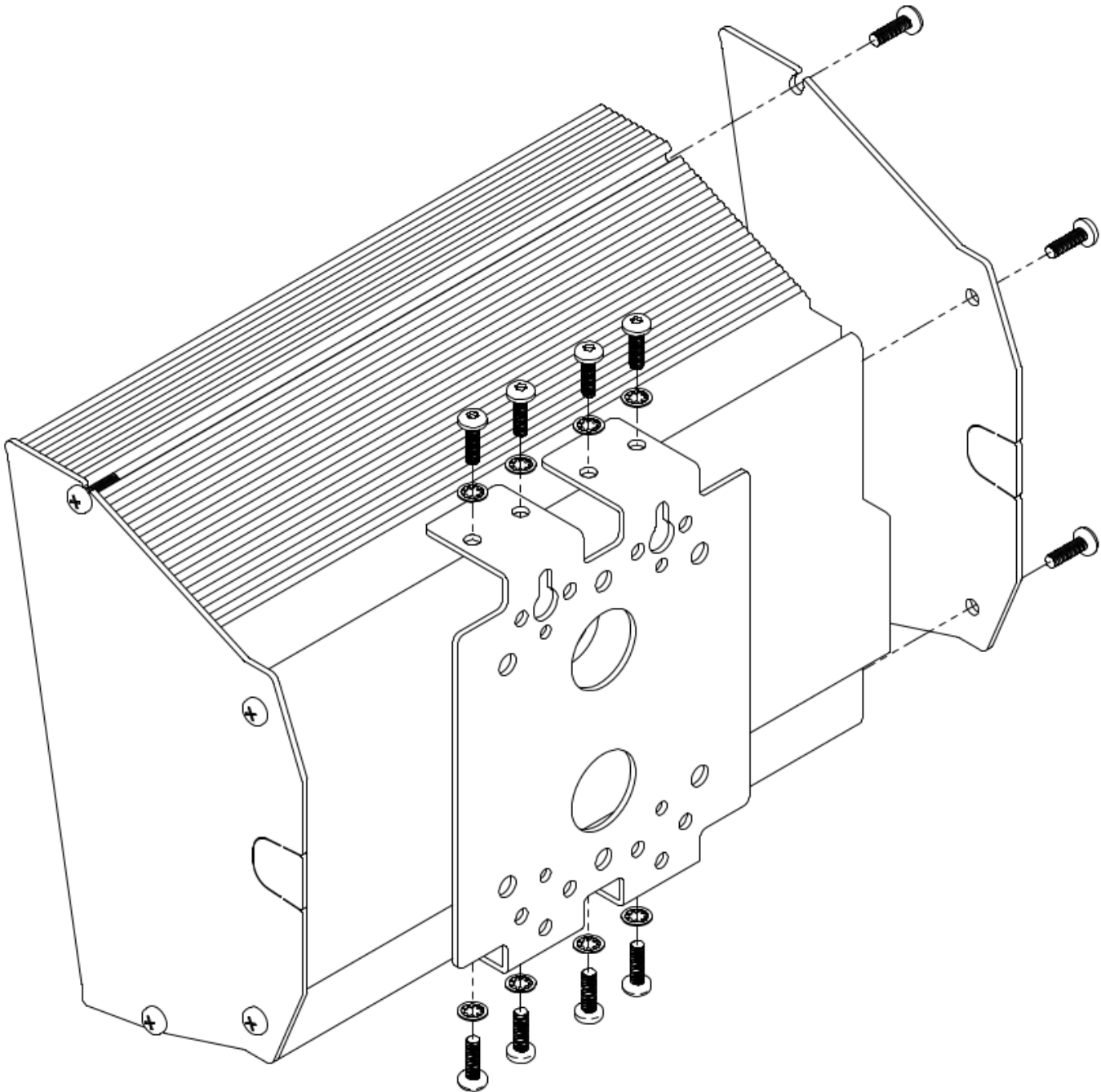
Rear View



Job Name: Model Numbers: Date:

Location: Notes:

Installation View



Job Name:

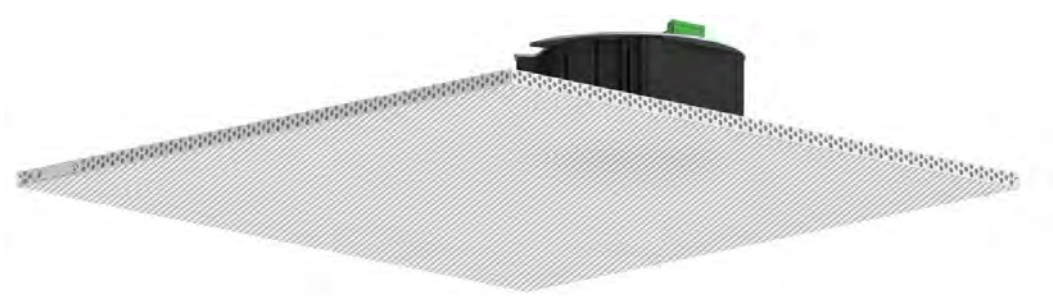
Model Numbers:

Date:

Location:

Notes:

2x2 Classroom Ceiling Speaker with InformaCast®



Description

The Wahsega 2x2 Ceiling Speaker supports dual registration with InformaCast® and SIP. With classroom sound reinforcement functionality and the ability to drive a second, independent classroom speaker, the Wahsega ceiling speaker is powered via Power-over-Ethernet (PoE). This low-cost, high-quality speaker can function as a 2-way intercom and receive broadcast announcements via Singlewire's InformaCast Notification System, all from a single IP speaker.

With two onboard relays, the Wahsega 2x2 Ceiling Speaker enables emergency classroom lockdown by controlling door locks for up to two doors.

The Wahsega ceiling speaker works with standard panic buttons. Its advanced functionality can reduce the number of false alarm triggers from that panic button. With this feature, a brief button press places a call to one preconfigured number—such as the front office—while a longer press-and-hold will call a second, preconfigured panic number.

The Wahsega 2x2 Ceiling Speaker also has the ability to drive a second, lower-cost Wahsega speaker up to 20 meters away via Cat5e or Cat6 cable. For larger classrooms where a second speaker is needed, the WL-SPKR-22-A can be used to increase audio output without the need for a second PoE homerun. Alternately, the Wahsega 2x2 Ceiling Speaker can be used in conjunction with the WL-SPKR-22-2R for independent control of two separate classrooms, using only one PoE homerun.

The InformaCast system will automatically recognize and register the speakers, making programming quick and efficient. Both audible and LED feedback at the speakers will let installers know when their system is up and running.

With simple installation and advanced functionality, the Wahsega 2x2 Ceiling Speaker with InformaCast and SIP is perfect for any classroom application, large or small.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Able to drive second Wahsega classroom speaker up to 20m away via Cat5e or Cat6
- Dual registration: SIP and InformaCast
- PoE 802.3af enabled (Power-over-Ethernet)
- Industry-leading low standby power
- Fully configurable via simple webpages
- Automatic registration on the InformaCast server
- QR code label for easy MAC address ID
- Multiple audio codecs to choose from
- Simple 2x2 grid lay-in ceiling installation
- Standard earthquake tabs for stability
- Integrated status LED
- Integrated microphone
- Two onboard relays for door control
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- Web-based mic and speaker volume control
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement faceplate
- Available sound reinforcement input wallplate

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: <1 Watt
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: G.711, G.726 (16/24/32/40kbps), G.722, G.729, DVI4 (narrow/HD/Ultra HD), Linear PCM, iLBC, Speex, SILK
- Audio Sampling: CD audio of 44.1kHz for InformaCast high quality announcements
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: 120° / 4 kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Auxiliary Speaker Cable Length (Cat5e or Cat6): 20m
- Temperature Range: -40°C to +85°C
- Dimensions: 24" x 24" x 4.44"
- Construction: 24-gauge steel housing with white polyester powdercoat paint
- Options: Remote sound reinforcement wallplate and Wahsega auxiliary analog speaker
- Warranty: 2 years limited

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Model Numbers

Primary Speaker

WL-SPKR-22-INF

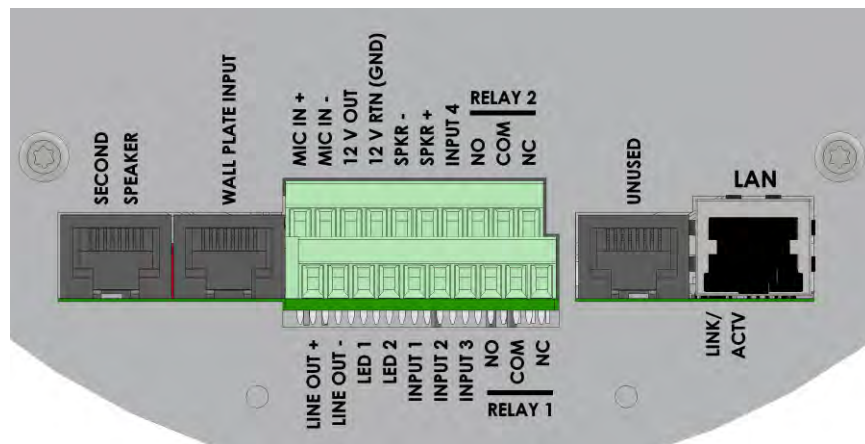
Wahsega Labs	Speaker	Mount	Protocol
WL	SPKR	22	INF
Wahsega Labs	Speaker	22 = 2x2 Lay-in SMT = Surface Mount	SIP = SIP INF = InformaCast + SIP

Secondary Speaker

WL-SPKR-22-2R

Wahsega Labs	Speaker	Mount	Functionality
WL	SPKR	22	2R
Wahsega Labs	Speaker	22 = 2x2 Lay-in SMT = Surface Mount	A = Analog 2R = Second Room

Connections



Installation

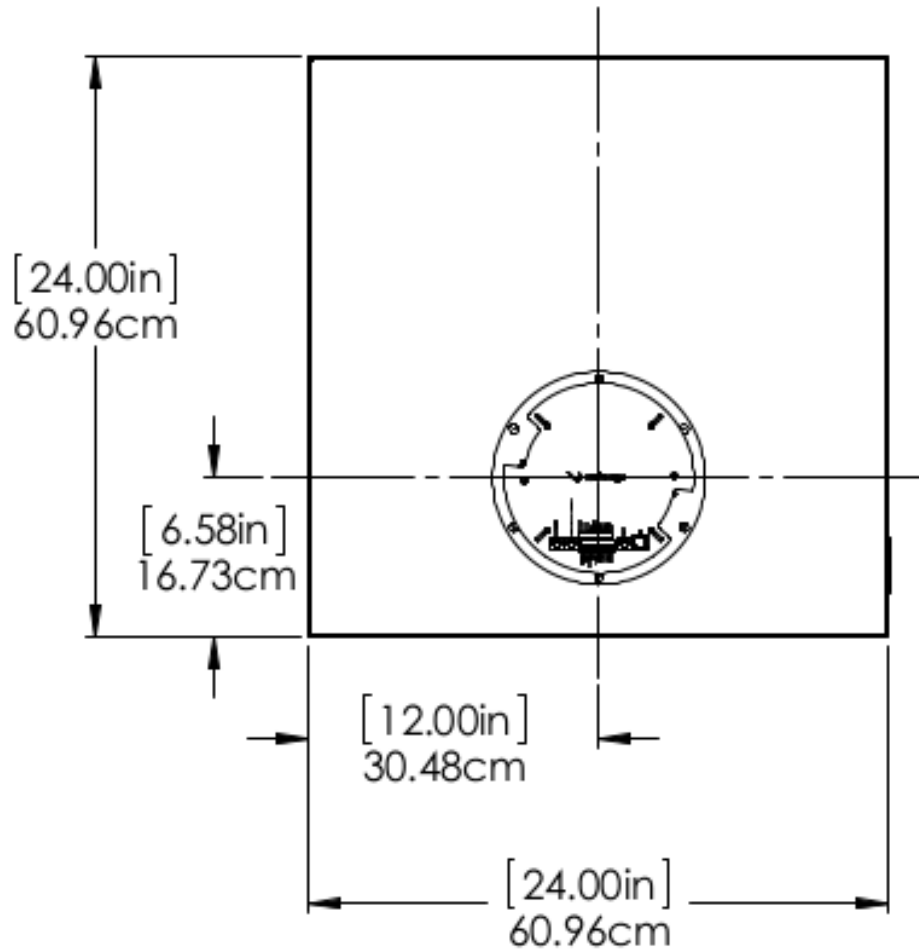
Standard 2x2 lay-in mounting with earthquake tabs for added stability. Power supplied via Power-over-Ethernet (PoE) 802.3af.

Job Name: Model Numbers: Date:

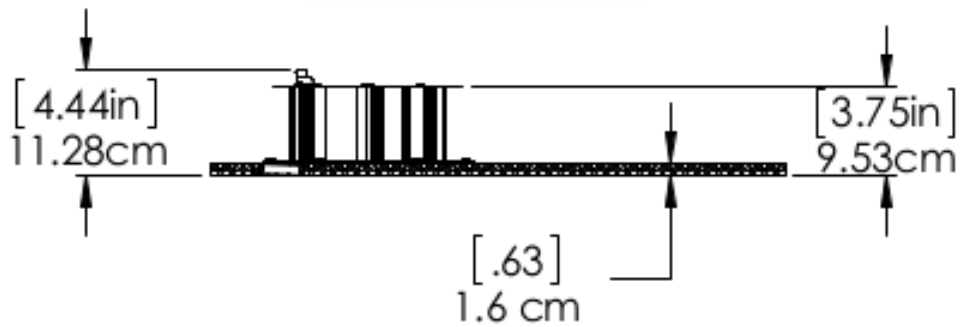
Location: Notes:

Dimensions

Length and Width



Ceiling Depth



Job Name: Model Numbers: Date:

Location: Notes:

IP Paging Zone Controller with InformaCast®



Description

The Wahsega IP Paging Zone Controller with InformaCast® utilizes the power of the InformaCast Advanced Notification System for multiple notification scenarios, from bell schedules to emergency lockdowns. Right out of the box, the InformaCast server software will recognize and register the Wahsega IP Paging Zone Controller with InformaCast, so it will instantly be able to receive pages in high or low-quality audio, both live and pre-recorded.

The IP Paging Zone Controller with InformaCast is available in a single-channel or a two-channel version. The two-channel zone controller presents itself to the InformaCast server as two independent speakers, so the server can control each channel independently. This allows the user to play two separate audio announcements over speakers in different zones across multiple floors or even multiple buildings.

The Wahsega IP Paging Zone Controller with InformaCast is perfect for schools or any other large, multi-building campus.

Features

- Receive live or pre-recorded audio from the InformaCast server
- Available in single-channel or 2-channel configurations
- Fully configurable via simple webpages
- Easy installation
- Built in Web server
- Remote firmware upgradeable
- Software/configuration reset button
- 10/100 Ethernet port with Power-over-Ethernet (802.3af PoE)
- +9V to +16V DC input (if not using PoE)
- High-quality (44.1kHz) and low-quality (8kHz) audio
- Standard 35mm DIN Rail (top-hat) mounting on bottom or side in any orientation

Job Name: Model Numbers: Date:

Location: Notes:

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
or +9V to +16V DC input
- Current Draw: <1W
- Impedance: 600Ω
- Max Cable Length: 100m (per standard)
- Temperature Range: -40°C to +85°C
- Output Trim Range (Web configurable): +4dBu to -10dBV nominal
- Construction: Aluminum extrusion with steel faceplates
- Regulatory Compliance: FCC Class B
- Dimensions: 1.87" H x 4.75" W x 5.55" D
- Warranty: 2 years limited

Model Numbers

Wahsega Labs	Zone	Controller	Channels	Options
WL	ZN	CTR	2CH	INF
Wahsega Labs	Zone	Controller	1-CH = Single Channel 2-CH = 2-Channel	with InformaCast

WL-ZN-CTR-1CH-INF

Wahsega Labs
Zone Controller
Single Channel
with InformaCast

WL-ZN-CTR-2CH-INF

Wahsega Labs
Zone Controller
2-Channel
with InformaCast

Job Name: Model Numbers: Date:

Location: Notes:

Sound Reinforcement Input Panel



Description

The Wahsega Sound Reinforcement Input Panel is a single-gang, wall-mount control which operates in conjunction with Wahsega's IP Speakers.

Designed for wall mounting in a single-gang electrical enclosure, the Sound Reinforcement Input Panel connects to any Primary or Second Room (where available) Wahsega Ceiling Speaker, Surface-Mount Wall Speaker or IP Display to provide the speaker with a local audio input for reinforcement functionality with simple audio control.

Using the integrated 3.5mm stereo input, users can connect a microphone, laptop, smartphone or any other audio-producing device and immediately play audio over the connected Wahsega speaker. Simple push-on, push-off power and smooth rotary volume control are easy to use and understand. An LED indicator light lets users know when the panel is on and actively transmitting audio to the speaker. Simple installation requires only an RJ45 plug and Cat5e cable to the speaker.

Easy to install and simple to use, the Sound Reinforcement Input Panel is the perfect addition to any Wahsega classroom speaker system.

Features

- Integrated audio input jack
- Simple wall-mount installation
- Volume control knob with on/off activate button
- Status LED
- Standard single-gang wallplate size
- RJ45 connection for quick installation
- Commercial-grade steel construction



Job Name: **Model Numbers:** **Date:**

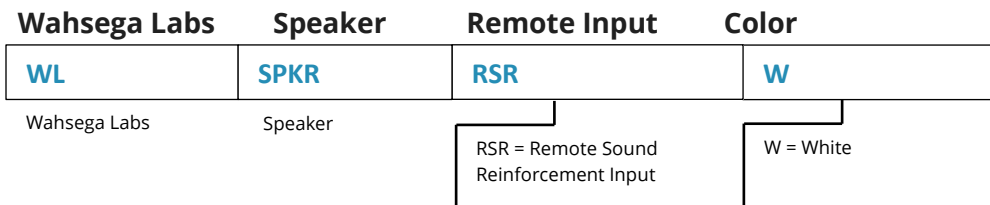
Location: **Notes:**

Specifications

- Audio Input: Standard 3.5mm (1/8") stereo jack, consumer line level input
- Max Cable Length to speaker: 20m
- Temperature Range: -20°C to +70°C
- Dimensions: 4.63" x 2.88" x 1.25"
- Construction: 24-gauge steel plate with white polyester powder coat paint
- Warranty: 2 years limited

Model Number

WL-SPKR-RSR-W



Connections

Connects to the Wahsega Ceiling Speaker, Wahsega Surface Mount Wall Speaker, Wahsega IP Display or Second-Room (-2R) Wahsega speaker via a standard RJ45 jack on rear of plate. Power supplied from the Wahsega speaker. Maximum distance from speaker is 20 meters.

Installation

Standard single-gang electrical box, not provided.

Speaker Compatibility

WL-SPKR-SMT-CAR
WL-SPKR-SMT-INF
WL-SPKR-SMT-2R
WL-SPKR-22-CAR
WL-SPKR-22-INF
WL-SPKR-22-2R

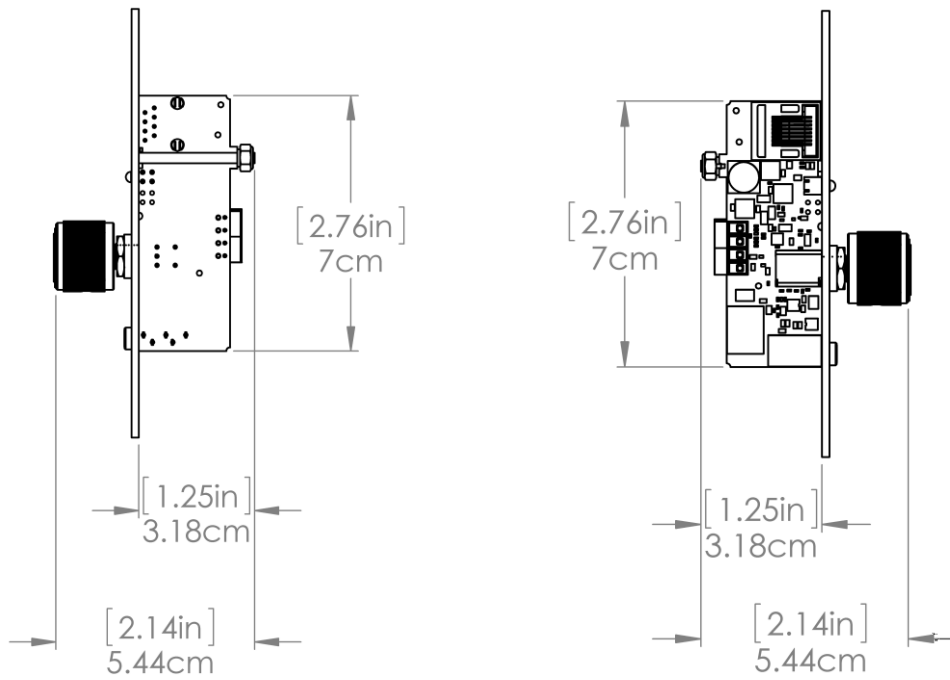
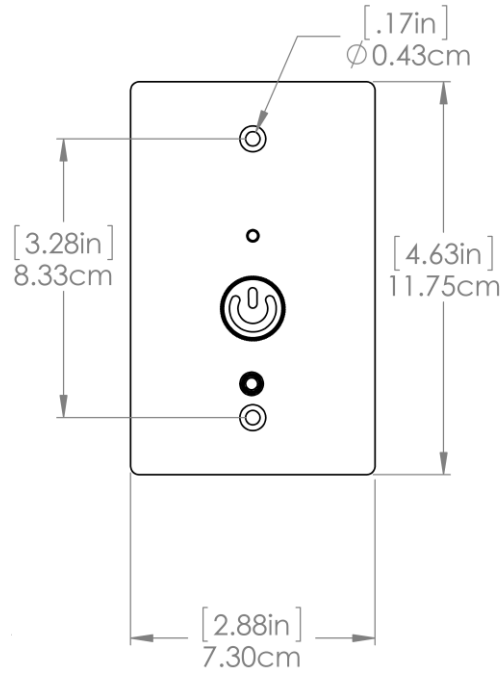
WL-IPD-SPKR-510-CAR
WL-IPD-SPKR-510-INF
WL-IPD-SPKR-520-CAR
WL-IPD-SPKR-520-INF
WL-IPD-SPKR-540-CAR
WL-IPD-SPKR-540-INF

WL-IPD-SPKR-510D-CAR
WL-IPD-SPKR-510D-INF
WL-IPD-SPKR-510D-CAR-TM
WL-IPD-SPKR-510D-INF-TM
WL-IPD-SPKR-510D-SIP-TM

Job Name: Model Numbers: Date:

Location: Notes:

Dimensions



Job Name: Model Numbers: Date:

Location: Notes:

Carina Recessed Indoor Intercom



Description

The Carina Recessed Indoor Intercom is designed and manufactured in the USA. With the highest quality two-way audio in the industry, it is perfect for use in schools and universities, warehouses, secure locations, parking garages and retail locations. Using PoE power, installation is simple and secure with optional vandal resistant security screws. Quickly configure each unit with Wahsega's Carina Event Manager, which will automatically detect the intercom at startup. Electrical junction box enclosure (WL-FLMT-BKBX) not included.

Features:

- SIP Compliant
- PoE 802.3af enabled (Power-over-Ethernet)
- Environmental noise suppression
- Full-duplex audio with Acoustic Echo Cancellation (AEC)
- Fully configurable via Carina Event Manager
- Peer-to-peer SIP capable
- Can act as a paging speaker
- On-board relay for door latches
- Mic and speaker volume control

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Ethernet: 10/100 Mbps
- Protocol: SIP RFC 3261 Compatible
- Temperature Range: -40°C to +60°C
- Audio Codecs: G.711 uLaw, G.711 aLaw, G.722 HD, G.726 fixed payload, G.729, DVI4 HD, DVI4 Narrowband, OPUS
- Audio Sampling: Up to 48KHz
- Form C (SPDT) Relay Contact Closure Rating: 30VDC or 270VAC, 3A
- Dimensions: 5.11" H x 5.17" W x 2.81" D
- Electrical Box Required: 4 11/16" H x 4 11/16" W x **minimum** 2 1/2" D
- Warranty: 2 years limited
- Regulatory Compliance: FCC Class B
- Power Input: PoE 802.3af

Model Numbers

Wahsega Labs	Intercom	Mount	Protocol	Options	Color	Relay
WL	IC	FLMT	CAR	INB	W	R
Wahsega Labs	Intercom		Carina			Relay
		BKMT = Back Mount FLMT = Flush Mount SMT = Surface Mount		O = Outdoor I = Indoor V = Vandal Resistant (Outdoor only) NB = No Button 2B = Two Buttons	Blank = Brushed Metal W = White Glossy (Interior only)	

WL-IC-SMT-CAR-I-W-R

Wahsega Labs
Intercom
Surface Mount
Carina
Indoor
White
with Relay

WL-IC-BKMT-CAR-OV-R

Wahsega Labs
Intercom
Back Mount (Pedestal)
Carina
Outdoor
Vandal Resistant
Brushed Metal
with Relay

WL-IC-FLMT-CAR-I-W-R

Wahsega Labs
Intercom
Flush Mount (Recessed)
Carina
Indoor
White
with Relay

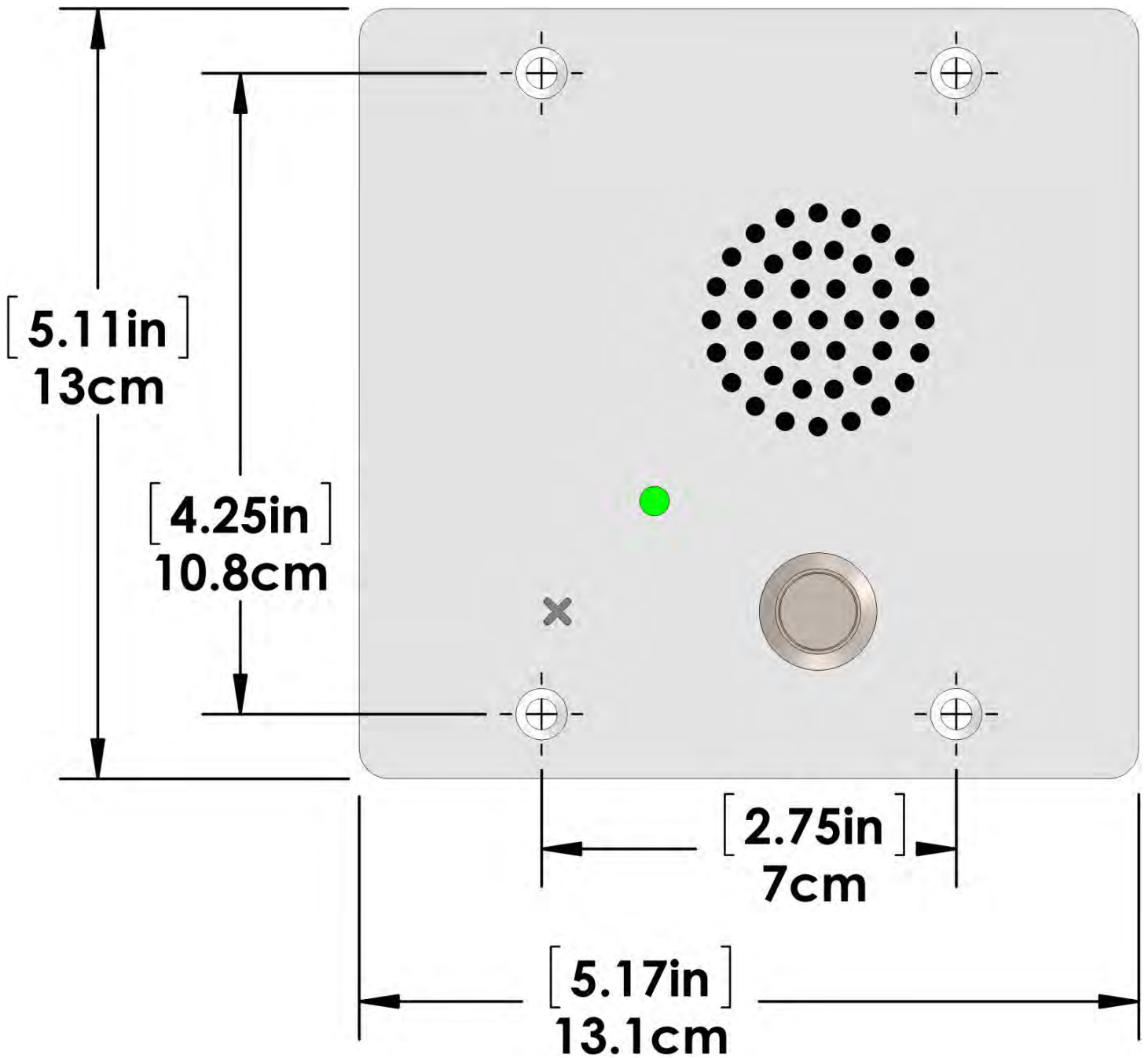
Available Carina Recessed Indoor Intercom Model Numbers:

- WL-IC-FLMT-CAR-I-W-R**
- WL-IC-FLMT-CAR-INB-W-R**
- WL-IC-FLMT-CAR-I2B-W-R**

Job Name: Model Numbers: Date:

Location: Notes:

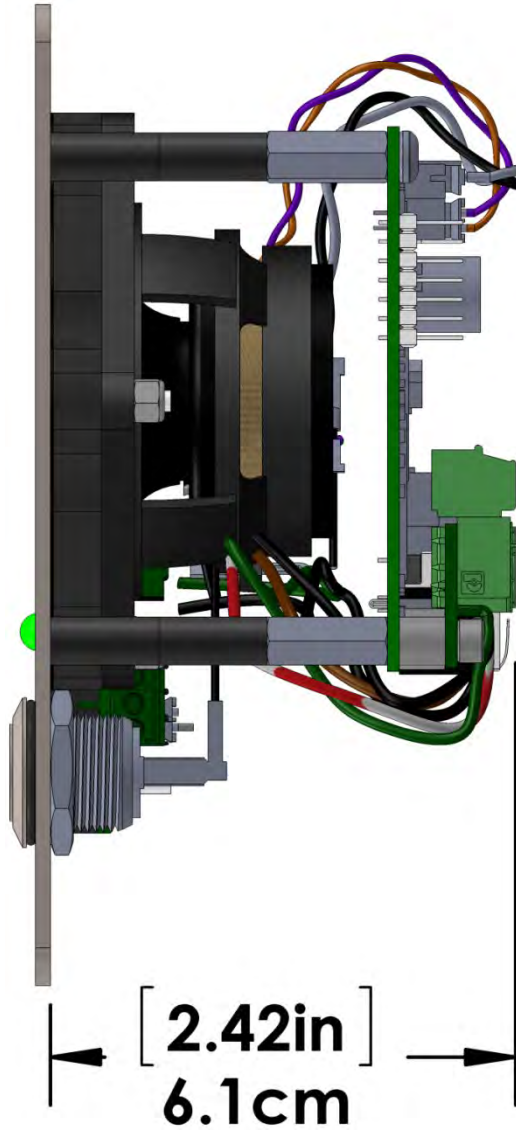
Dimensions



WL-IC-FLMT-CAR-I-W-R
Front view
(to scale)

Job Name: Model Numbers: Date:

Location: Notes:

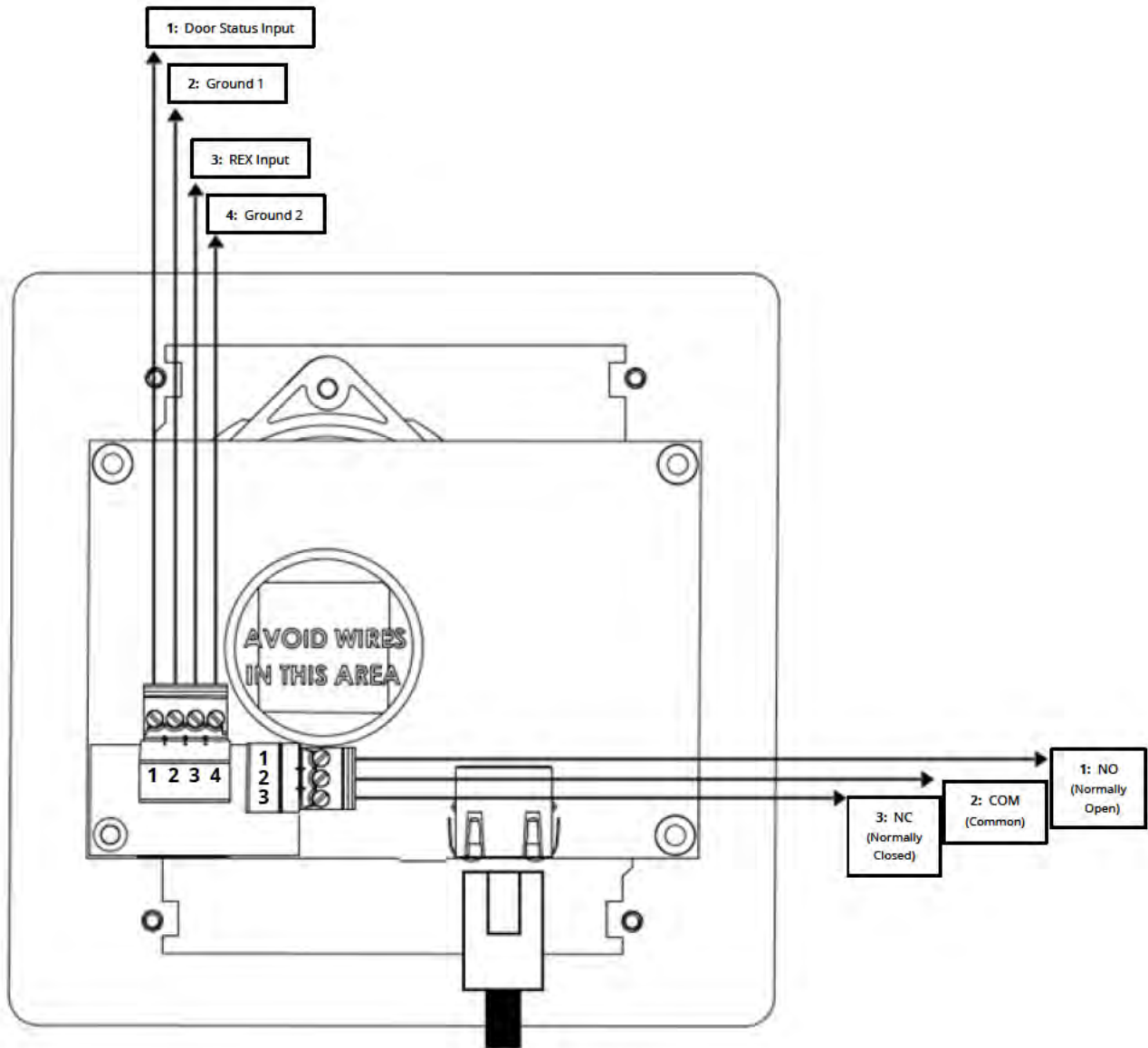


WL-IC-FLMT-CAR-I-W-R
Side view
(to scale)

Job Name: Model Numbers: Date:

Location: Notes:

Class 2 (PELV) Terminal Connections

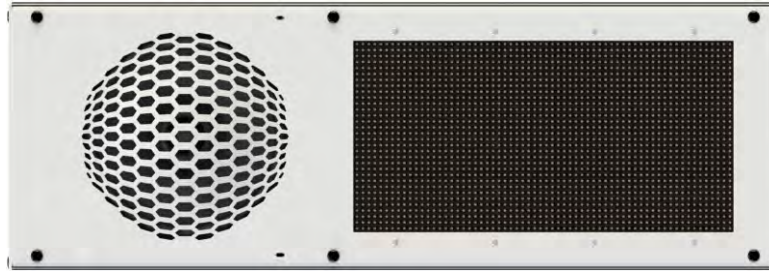


NOTE: Ethernet cable can ONLY be installed in the orientation shown.

Job Name: Model Numbers: Date:

Location: Notes:

Carina Small IP Display



Description

The Carina Small IP Display supports registration with SIP and auto-discovery by the Wahsega Carina Event Manager. With network connectivity, scrolling LED display and built-in speaker, the Carina IP Display broadcasts both audible and visible messages from the Event Manager to classroom occupants. LED text and flasher color, brightness and duration are all configurable for individual Event Manager messages. A built-in microphone allows for two-way SIP communication, and Event Manager's NTP server provides an accurate time and date display when streaming messages are not present. The Carina IP Display can even power a second, analog Wahsega speaker (WL-SPKR-xx-A) up to 20 meters away via PoE cable, increasing audio coverage in the space without requiring an additional cable home run.

Powered via Power over Ethernet (PoE 802.3af), the IP Display is simple to install and is easily programmed within Event Manager's configuration webpages. The IP Display also works with standard panic buttons to trigger an outbound SIP call. With Wahsega's advanced panic button functionality, a brief button press places a call to one preconfigured number—such as the front office—while a longer press-and-hold will call a second, preconfigured panic number. This feature significantly reduces false alarm panic calls. Two onboard relays can be activated by SIP calls or Event Manager broadcasts, triggering door locks or other devices during emergencies.

Wahsega's Carina Event Manager will automatically discover the IP Display, and centralized configuration in Event Manager makes system initialization a breeze. Global and individual programming options within the Event Manager make setup quick and efficient. Both audible and visual feedback at the display let installers know when their system is up and running.

With simple installation and advanced functionality, Wahsega's Carina Small IP Display is perfect for any classroom application, large or small.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Auto-discovery with Wahsega Carina Event Manager
- Receive alerts and scheduled bells from Wahsega Carina Event Manager
- SIP registration
- PoE 802.3af enabled
- Able to drive Wahsega Extension Speaker up to 20m away via Ethernet
- Centrally configured via simple webpages in Wahsega Event Manager
- Simple surface-mount wall installation
- Built-in microphone for two-way communication
- Web-based mic and speaker volume control
- Classroom sound reinforcement audio input wallplate available
- Status feedback
- Two onboard relays for door control
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement wallplate
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- One to three lines of text display
- Time set by network SNTP Server with no manual adjustments necessary
- Display 12- or 24-hour clock with four or six numerals
- Two color-configurable LED flashers
- One white LED flasher
- Built-in light sensor for energy-reducing auto-dim setting
- Text display is configurable
- 32,768 LED colors
- 32 x 64 resolution
- Text display up to 5" high

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: <2 Watts
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: 16-bit PCM (uncompressed), u-law (G.711u), a-law (G.711a), G.722, G.729
- Audio Sampling: 8 kHz, 16 kHz, or 32 kHz
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: 120° / 4 kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Secondary Speaker Cat5e or Cat6 Cable Length: 20m
- Temperature Range: -40°C to +60°C
- Weight: 7.2lbs
- Overall Dimensions: 20.39" W x 7.1" H x 4.54" D
- LED Panel Dimensions: 5" tall x 10" wide
- Construction: Metal housing with polyester powdercoat paint
- Warranty: 2 years limited

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Model Numbers

WL-IPD-SPKR-510-CAR

Wahsega Labs	Display	Speaker	Display Height	Display Width	Protocol
WL	IPD	SPKR	5	10	CAR
Wahsega Labs	IP Display	with Speaker	5 = 5" High Display	10 = 10" Wide Display 20 = 20" Wide Display 40 = 40" Wide Display D = Double Sided (10" only)	CAR = Carina INF = SIP + InformaCast

Installation

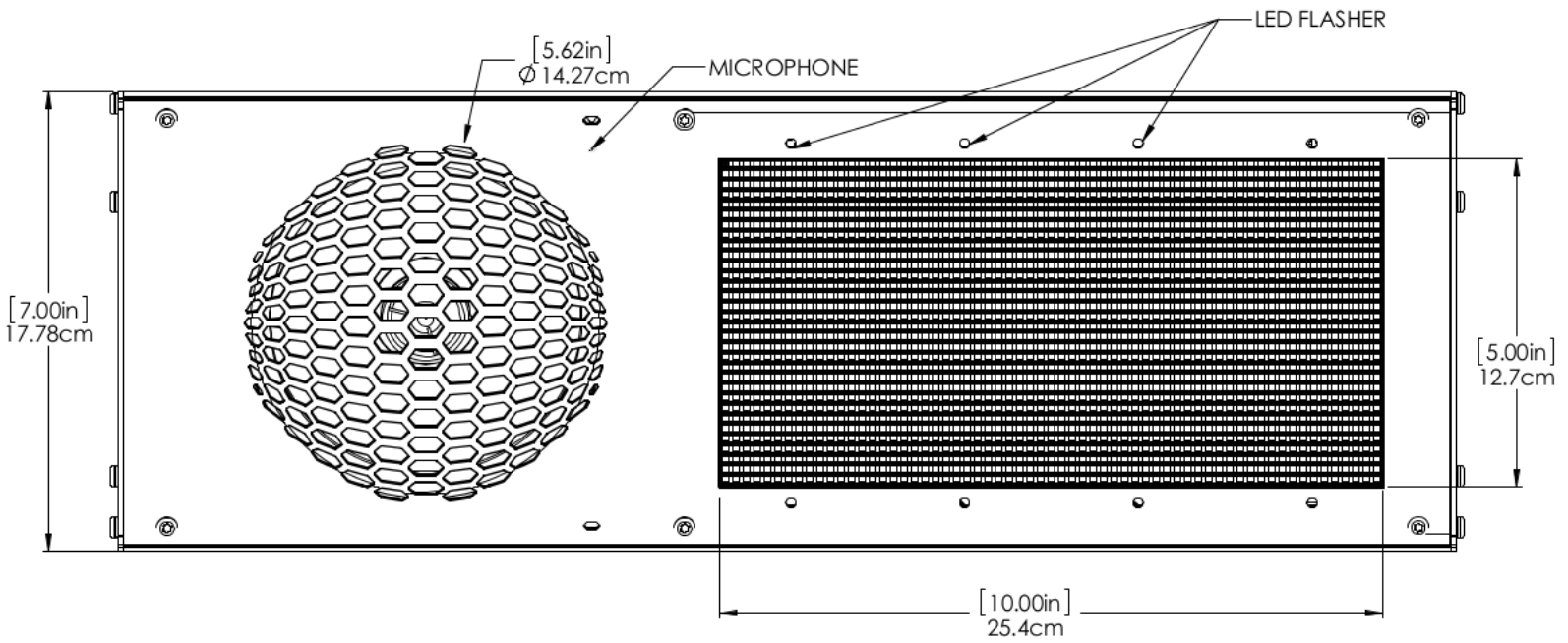
Simple, surface mount wall installation with rear conduit access and side raceway access for wiring. Power supplied via Power over Ethernet (PoE) 802.3af. The Wahsega IP Display can mount to the front a standard 2-gang electrical back box or directly onto the wall, using the appropriate anchors for your surface material. Mounting brackets, screws, washers and lock washers are included.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Dimensions

Front View



Job Name:

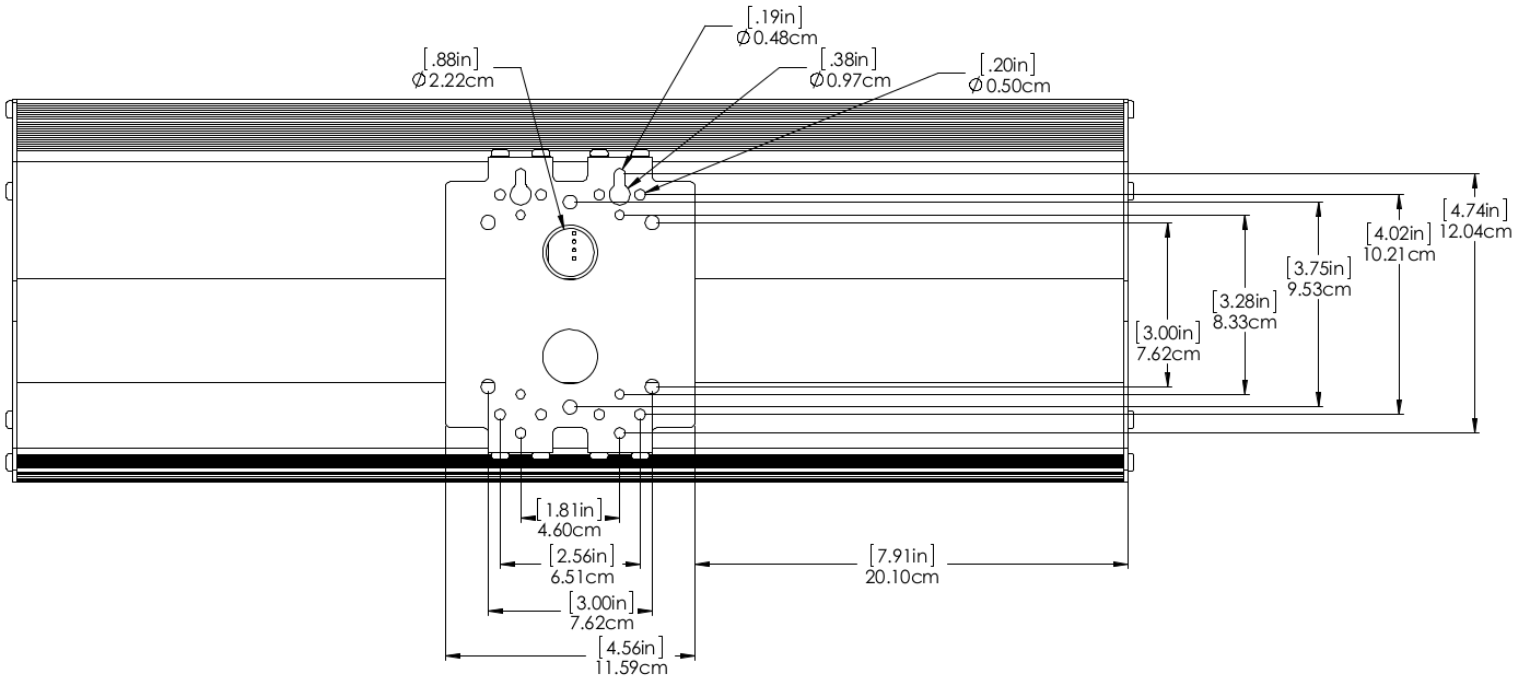
Model Numbers:

Date:

Location:

Notes:

Rear View

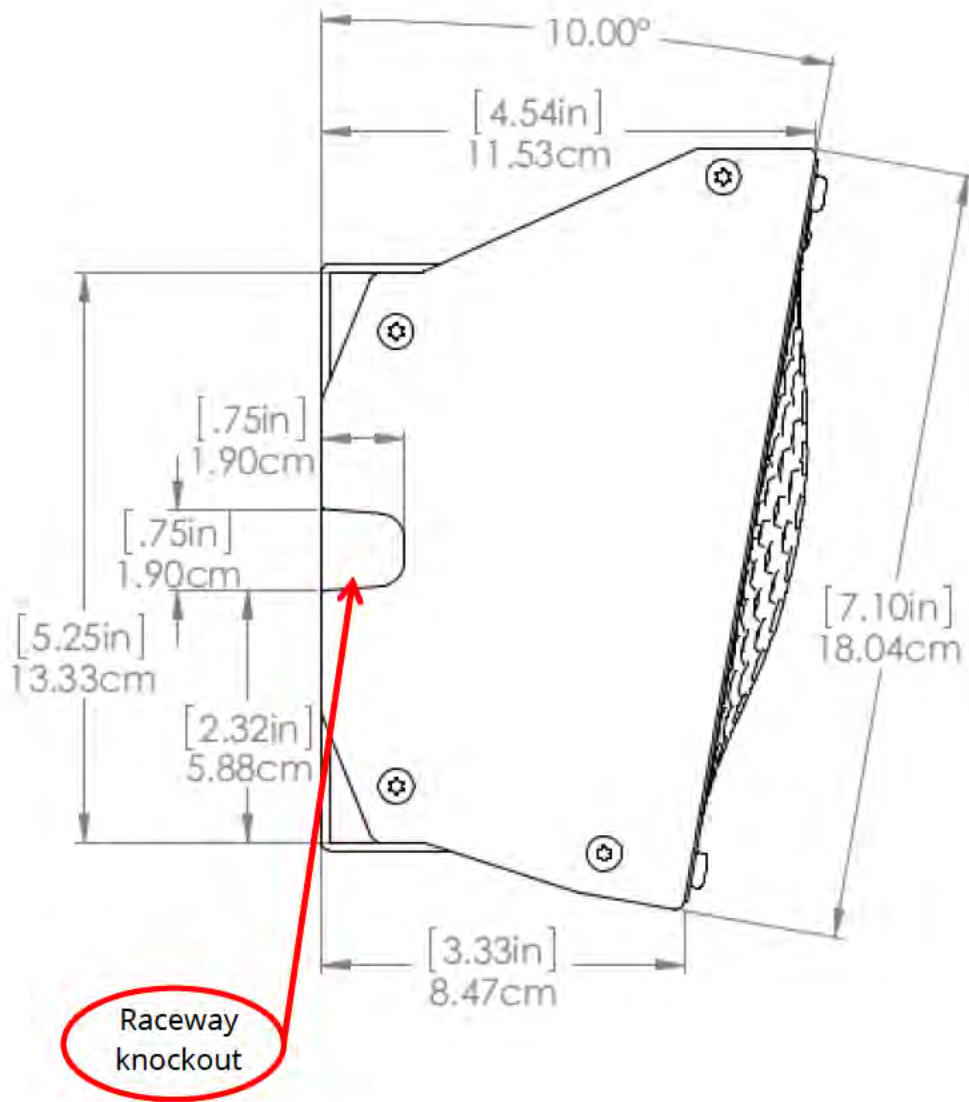


Note: Mounting bracket is included, as shown.
Bracket may be used to mount the IP Display to the front of a standard two-gang electrical backbox.

Job Name: Model Numbers: Date:

Location: Notes:

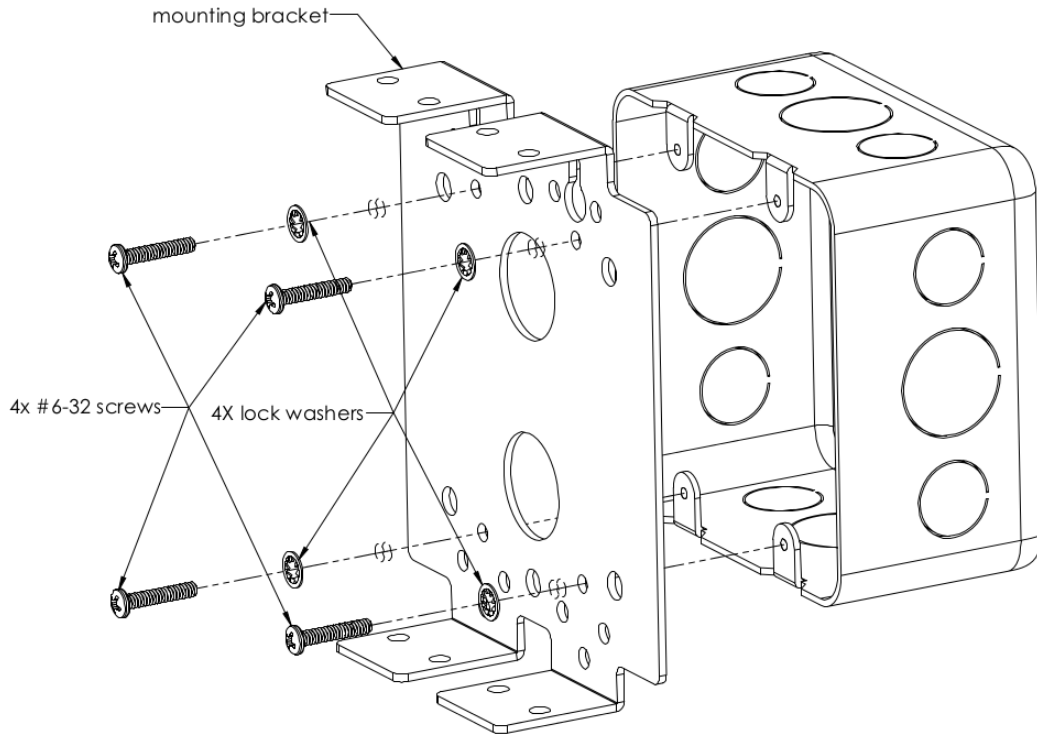
Side View



Job Name: Model Numbers: Date:

Location: Notes:

Mounting Bracket



Job Name:

Model Numbers:

Date:

Location:

Notes:

Carina Outdoor Pedestal Intercom



Description

Wahsega's Carina Outdoor Pedestal Intercom is a weatherproof outdoor IP intercom designed and manufactured in the USA. With the highest quality two-way audio in the industry, it is perfect for use in manufacturing plants, warehouses, secure outdoor locations, parking garages and multi-tenant office spaces. Greet visitors from any phone on the existing PBX and unlock doors or gates with a simple DTMF code. With PoE power, a durable steel housing and the included vandal resistant security screws, installation is simple and secure. Four bolt holes are located on the rear of the box for mounting on standard gooseneck pedestals. Quickly configure each unit from the central Wahsega Event Manager, which will automatically detect each intercom at startup. One-button, two-button and no-button models all available with optional weather hood. *Note: Ethernet cable may only be connected through the rear conduit access for this model.*

Features:

- Fully configurable via Wahsega Carina Event Manager
- SIP Compliant
- PoE 802.3af power
- Environmental noise suppression
- Full-duplex audio with Acoustic Echo Cancellation (AEC)
- Security screws included
- Peer-to-peer SIP capable
- Paging speaker function
- On-board relay for door latches
- Mic and speaker volume control
- IP65 weather protection (conformal coated internal circuitry)
- Optional weather hood

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Ethernet: 10/100 Mbps (Can force 10Mbps Full-Duplex)
- Protocol: SIP RFC 3261 Compatible
- Temperature Range: -40°C to +60°C
- Audio Codecs: G.711 uLaw, G.711 aLaw, G.722 HD, G.726 fixed payload, G.729, DVI4 HD, DVI4 Narrowband, OPUS
- Audio Sampling: Up to 48KHz
- Form C (SPDT) Relay Contact Closure Rating: 30VDC or 270VAC, 3A
- Dimensions: 5.96" x 5.88" x 2.88" (H x W x D)
- Warranty: 2 years limited
- Regulatory Compliance: FCC Class B
- Power Input: PoE 802.3af

Model Numbers

Wahsega Labs	Intercom	Mount	Protocol	Options	Color	Relay
WL	IC	BKMT	CAR	OV		R

Wahsega Labs

Intercom

Carina

Relay

BKMT = Back Mount
 FLMT = Flush Mount
 SMT = Surface Mount

O = Outdoor
 I = Indoor
 V = Vandal Resistant
 (Outdoor only)
 NB = No Button
 2B = Two Buttons

Blank = Brushed Metal
 W = White Glossy
 (Interior only)

WL-IC-SMT-CAR-I-W-R

Wahsega Labs
 Intercom
 Surface Mount
 Carina
 Indoor
 White
 with Relay

WL-IC-BKMT-CAR-OV-R

Wahsega Labs
 Intercom
 Back Mount (Pedestal)
 Carina
 Outdoor
 Vandal Resistant
 Brushed Metal
 with Relay

WL-IC-FLMT-CAR-I-W-R

Wahsega Labs
 Intercom
 Flush Mount (Recessed)
 Carina
 Indoor
 White
 with Relay

Available Carina Outdoor Pedestal Intercom Model Numbers:

- WL-IC-BKMT-CAR-OV-R**
- WL-IC-BKMT-CAR-OVNB-R**
- WL-IC-BKMT-CAR-OV2B-R**

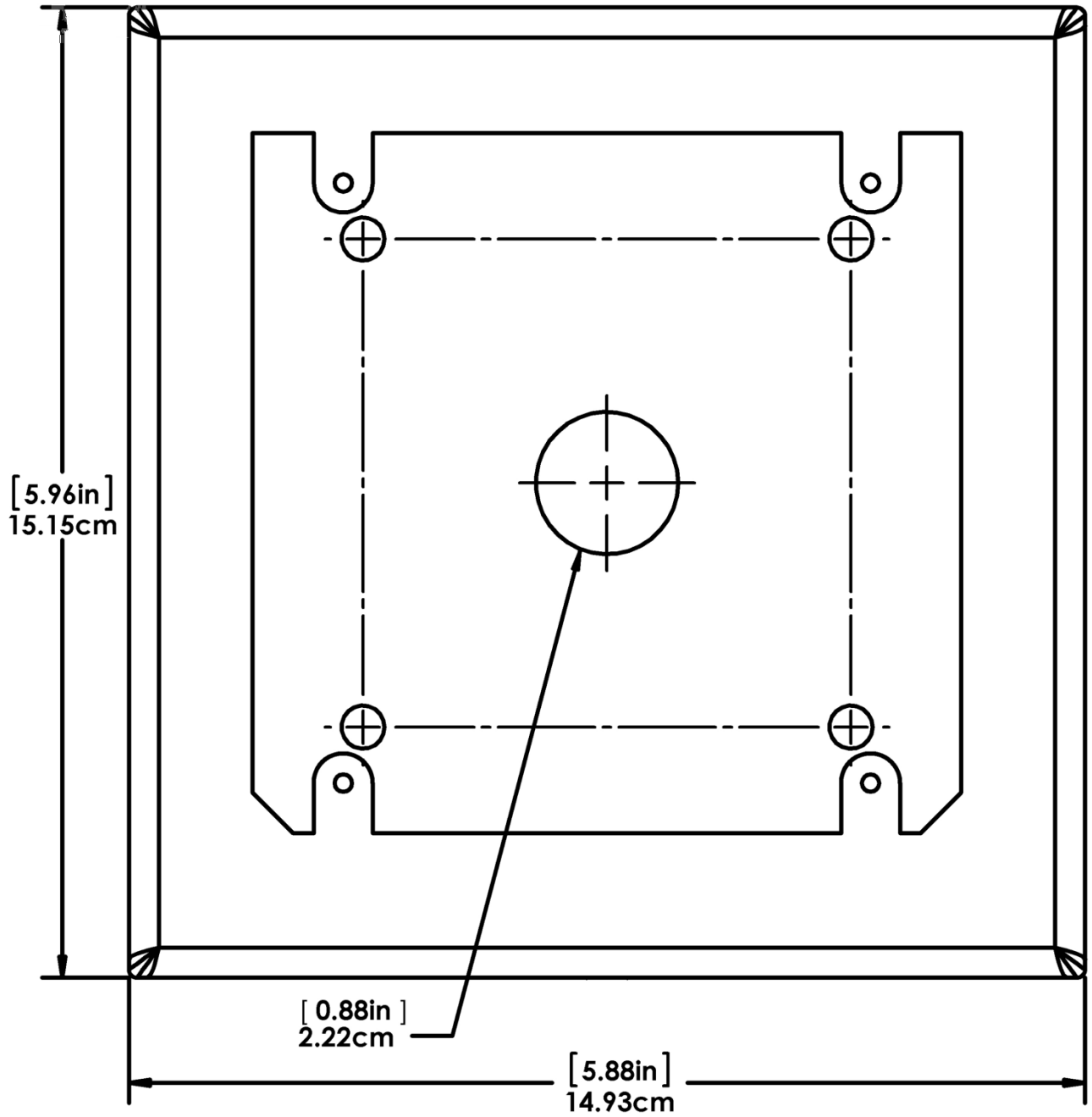
Optional Weather Hood (Compatible only with Outdoor Pedestal Intercoms):

WL-BKMT-HOOD-OV

Job Name: Model Numbers: Date:

Location: Notes:

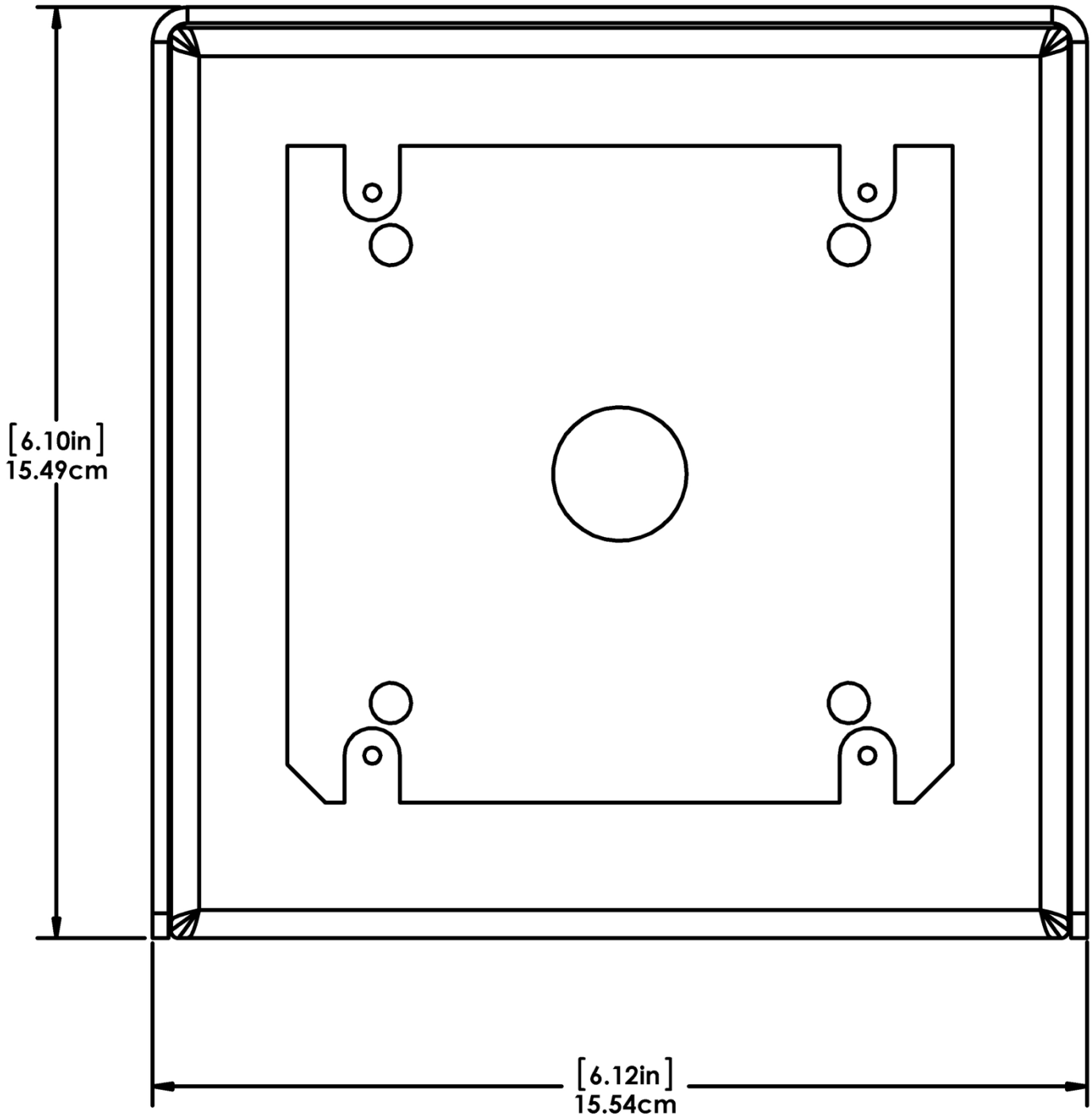
Dimensions



WL-IC-BKMT-CAR-OV-R
Front view

Job Name: Model Numbers: Date:

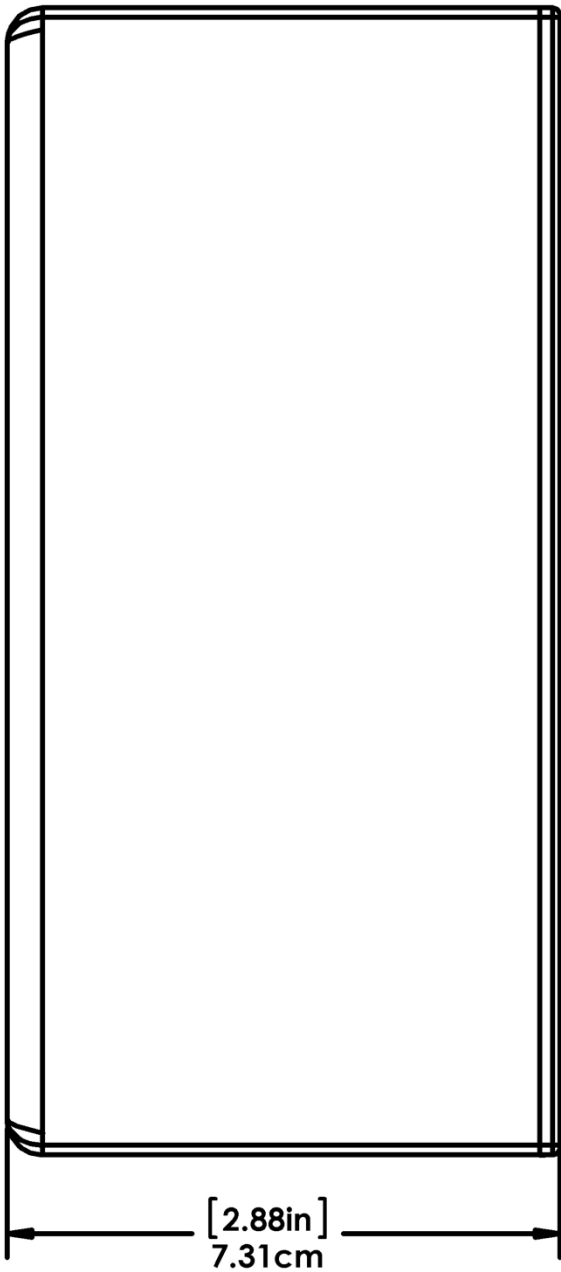
Location: Notes:



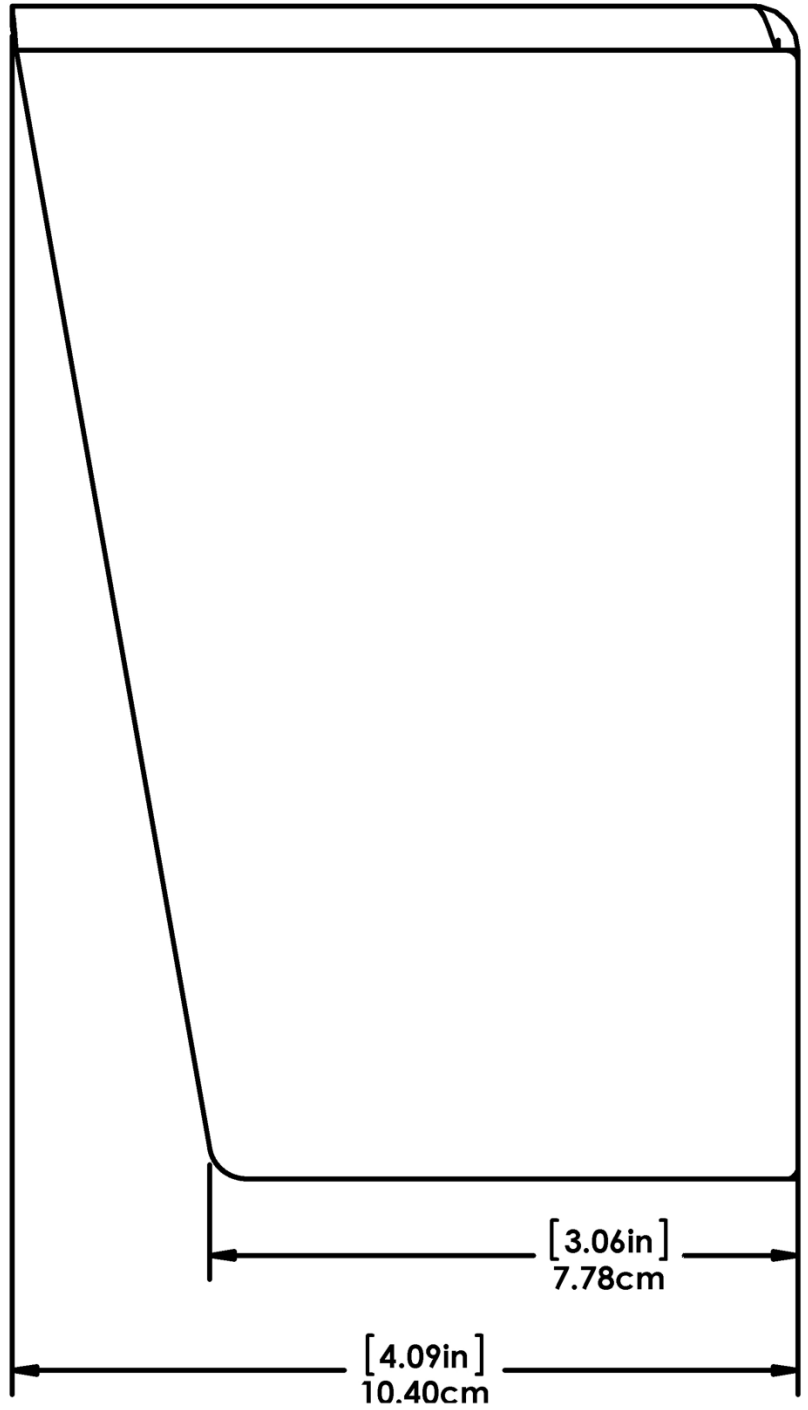
WL-IC-BKMT-CAR-OV-R
Front view with weather hood

Job Name: Model Numbers: Date:

Location: Notes:



WL-IC-BKMT-CAR-OV-R
Side view

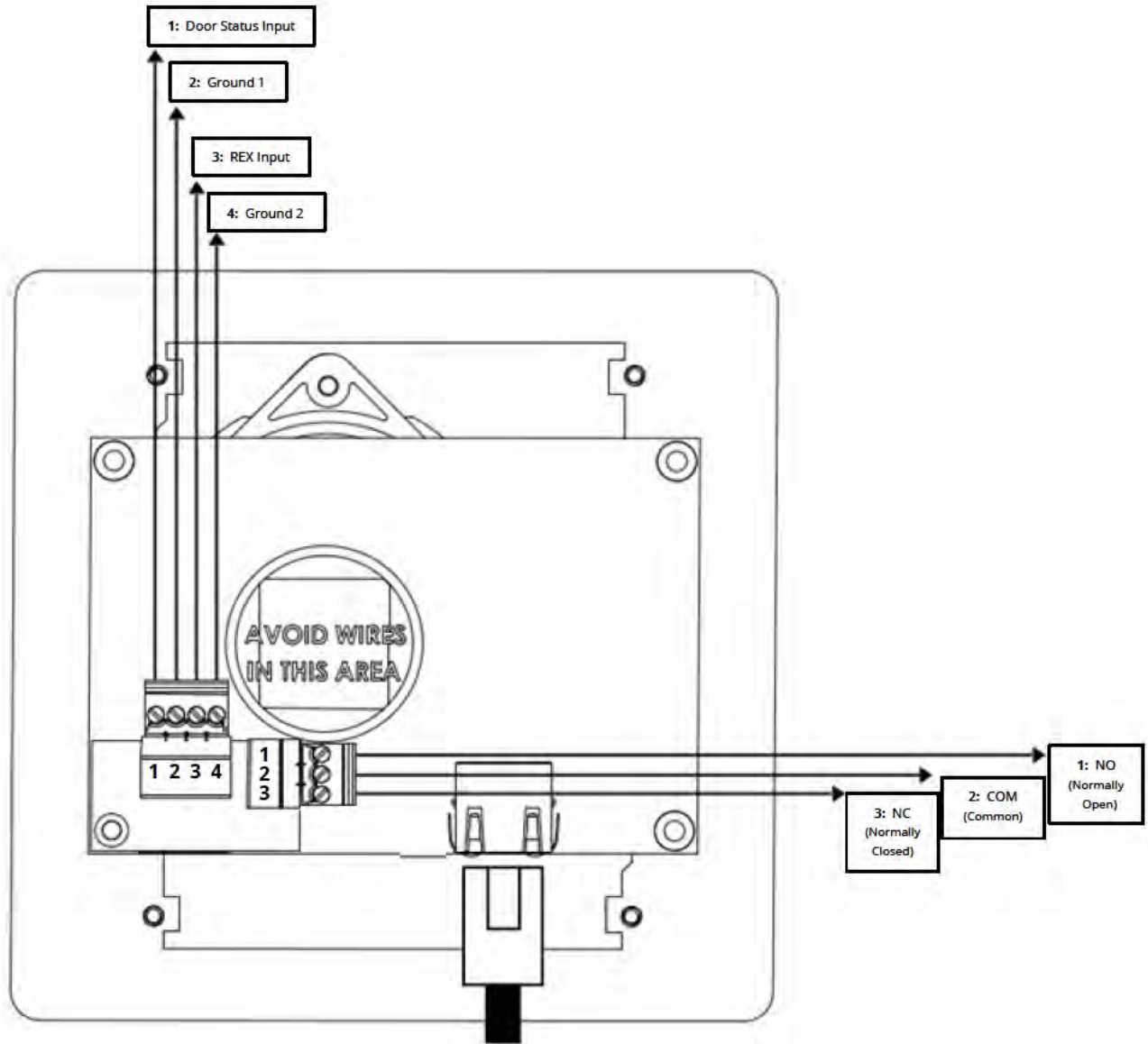


WL-IC-BKMT-CAR-OV-R
Side view with weather hood

Job Name: Model Numbers: Date:

Location: Notes:

Class 2 (PELV) Terminal Connections



NOTE: Ethernet cable can ONLY be installed in the orientation shown.

Job Name: Model Numbers: Date:

Location: Notes:

Carina Wall Mount IP Speaker



Description

The Carina Wall Mount IP Speaker receives and plays audio broadcasts from the Carina Event Manager via multicast and can also place and answer two-way SIP calls using an IP PBX such as Wahsega's Paging Intercom Server (PICS).

The Carina Wall Mount IP Speaker works with standard call buttons or the Wahsega Call Button. Advanced functionality can reduce the number of false alarms from that call button, as a brief button press places a SIP call to one preconfigured number—such as the front office—while a longer press-and-hold will call a second preconfigured number, such as a security desk.

An optional room sound reinforcement panel allows users to play audio from a local source such as a computer or smartphone. Incoming broadcasts and calls mute the local audio, making sure users never miss an alert or announcement.

The Carina Wall Mount IP Speaker also has the ability to drive a second, independent and lower-cost Wahsega speaker up to 20 meters away via Cat5e or Cat6 cable. For larger classrooms where a second speaker is needed, the Wahsega Extension Speaker (WL-SPKR-xx-A) can be used to increase audio coverage without the need for a second PoE homerun. Alternately, the Carina Wall Mount IP Speaker can be used in conjunction with the Wahsega Second Room Speaker (WL-SPKR-xx-2R) for independent control of two separate rooms, using only one PoE port and cable homerun.

The Carina Event Manager automatically discovers and registers the Carina Wall Mount IP Speaker at startup, and all programming and configuration can be handled individually or in bulk through the Carina Event Manager dashboard. This greatly simplifies the installation process and makes it easy to manage the system once installed.

Job Name:	<input type="text"/>	Model Numbers:	<input type="text"/>	Date:	<input type="text"/>
Location:	<input type="text"/>	Notes:	<input type="text"/>		

Features

- Dual registration: SIP and Carina
- PoE 802.3af enabled (Power-over-Ethernet)
- Industry-leading low standby power
- Fully configurable via Carina Event Manager
- Auto-discovery on the Wahsega Carina Event Manager
- QR code label for easy MAC address ID
- Simple surface-mount wall installation
- Integrated status LED
- Able to drive second Wahsega speaker up to 20m away via Cat5e or Cat6
- Integrated microphone
- Web-based mic and speaker volume control
- Two onboard relays for door control
- Compatible with standard call buttons
- Advanced call button functionality to reduce false alarms
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement faceplate
- Available sound reinforcement audio input wallplate

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: <2 Watts
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: 16-bit PCM (uncompressed), u-law (G.711u), a-law (G.711a), G.722, G.729
- Audio Sampling: 8 kHz, 16 kHz, or 32 kHz
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: 120° / 4 kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Secondary Speaker Cat5e or Cat6 Cable Length: 20m
- Temperature Range: -40°C to +60°C
- Dimensions: 9.25" x 7.0" x 4.62"
- Construction: Aluminum extrusion with plastic side and faceplates
- Options: Remote Sound Reinforcement Wallplate, Wahsega Auxiliary Speaker
- Warranty: 2 years limited

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

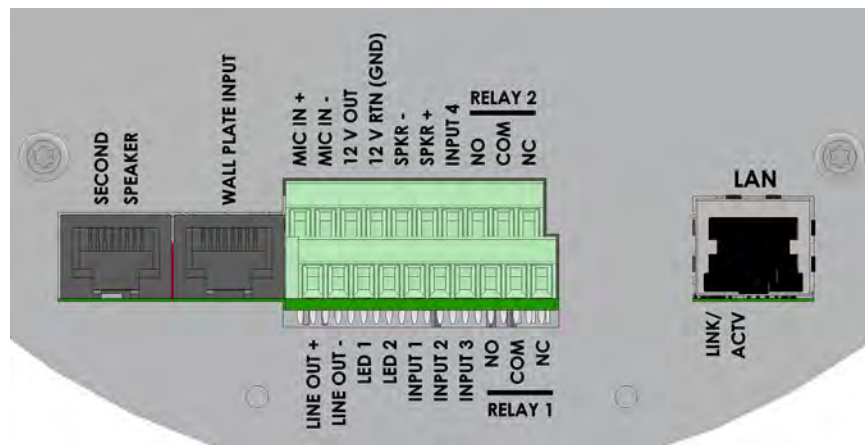
Model Numbers

Primary Speaker

WL-SPKR-SMT-CAR

Wahsega Labs	Speaker	Mount	Protocol
WL	SPKR	SMT	CAR
Wahsega Labs	Speaker	22 = 2x2 Lay-in SMT = Surface Mount	CAR = Carina INF = InformaCast

Connections



Installation

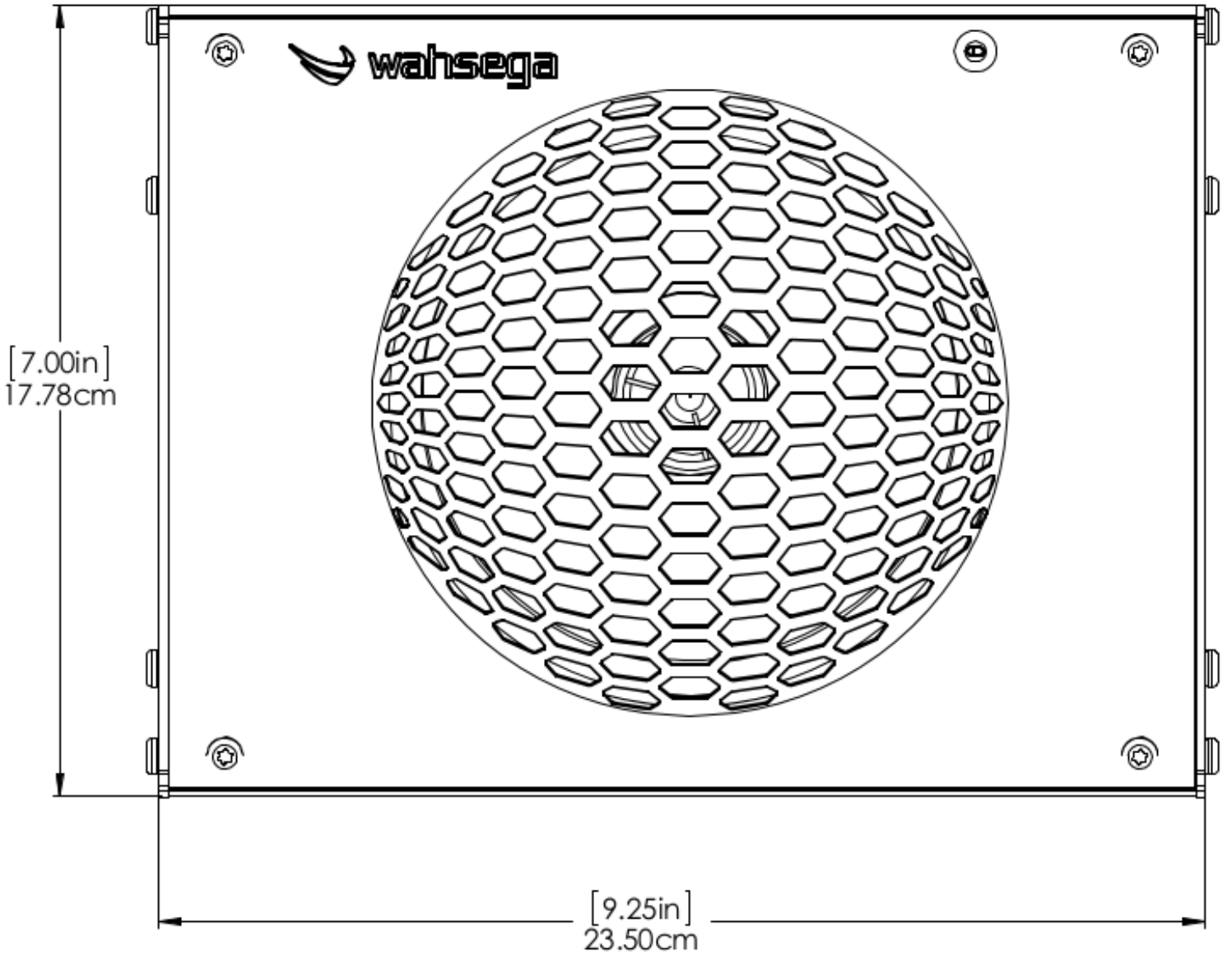
Simple, surface mount wall installation with rear conduit access and side raceway access for wiring. Power supplied via Power-over-Ethernet (PoE 802.3af).

Job Name: Model Numbers: Date:

Location: Notes:

Dimensions

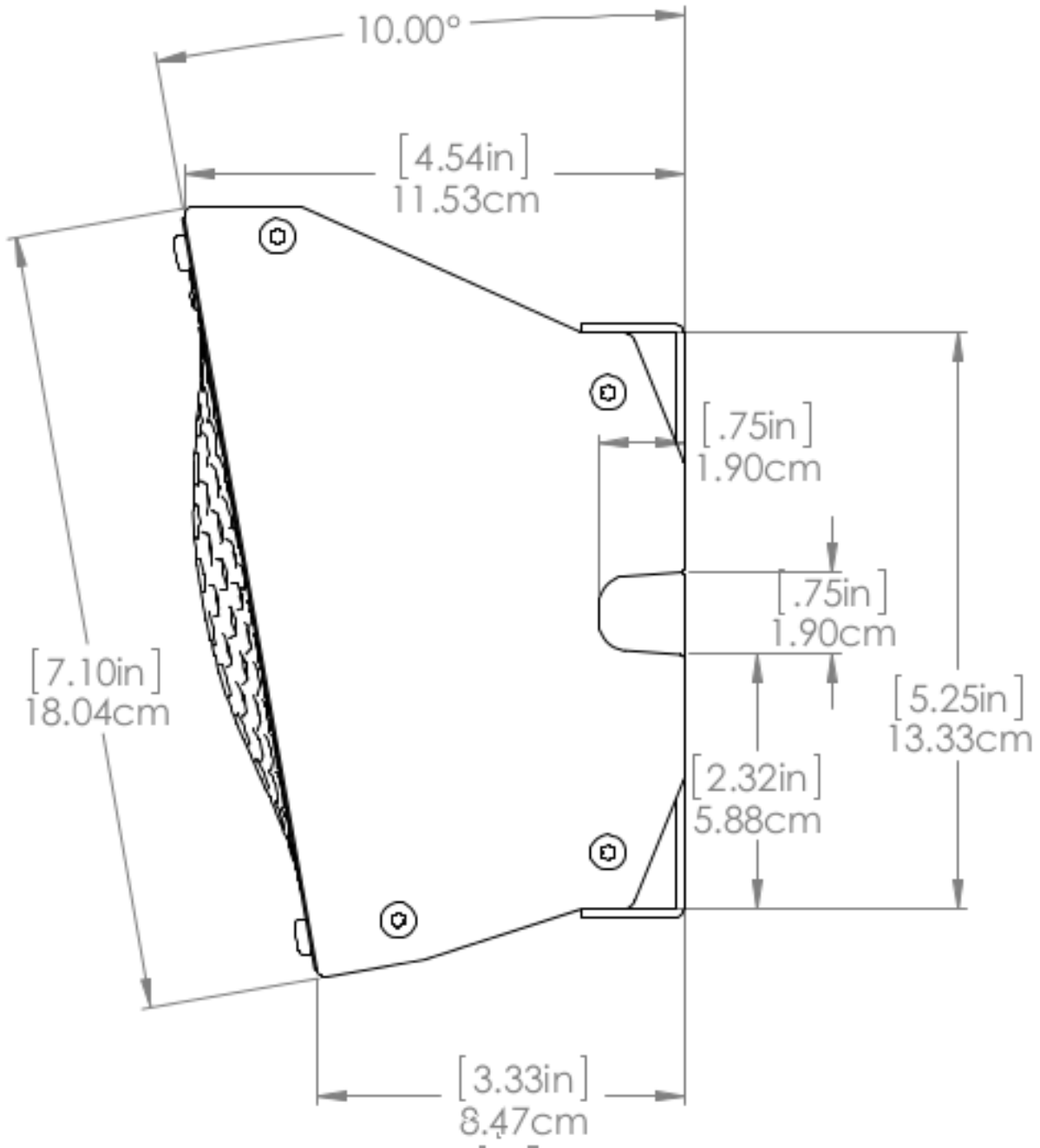
Front View



Job Name: Model Numbers: Date:

Location: Notes:

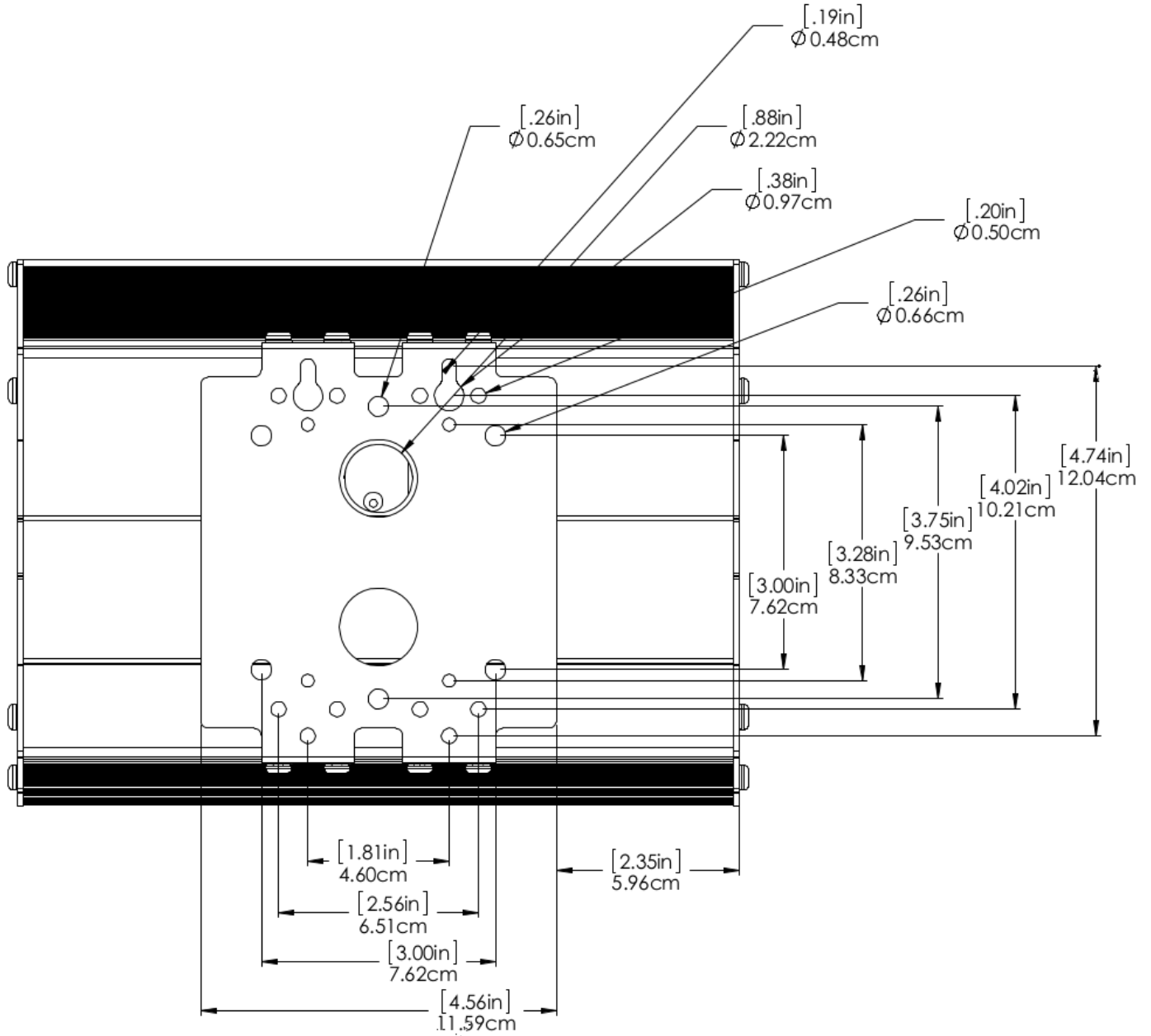
Side View



Job Name: Model Numbers: Date:

Location: Notes:

Rear View



Job Name:

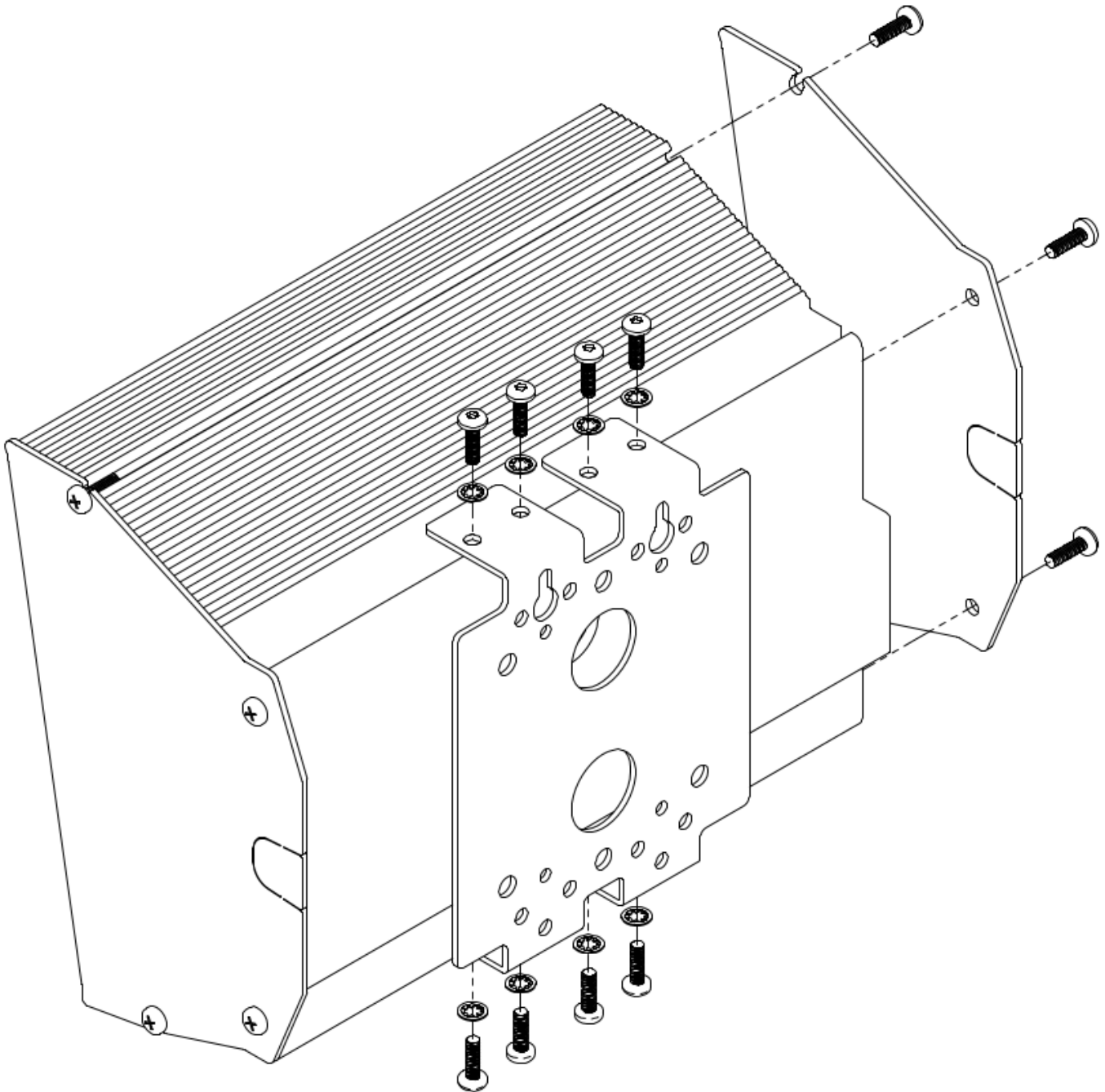
Model Numbers:

Date:

Location:

Notes:

Installation View



Job Name:

Model Numbers:

Date:

Location:

Notes:

Carina Surface Mount Indoor Intercom



Description

The Carina Surface Mount Indoor Intercom is a low-cost, small, surface mount IP intercom with one or two buttons, powered via Power-over-Ethernet (PoE). It can be used to broadcast alerts and announcements from the Carina Event Manager using voice over IP (VoIP), or it can function as an SIP intercom.

Carina Surface Mount Indoor Intercom's call button can be configured as a panic button, with a long-press feature to reduce the number of panic button false alarm calls. With this advanced functionality, a brief button press places a call to one preconfigured number in normal intercom mode—such as a front office phone—while a longer press-and-hold will place a call to a second, preconfigured emergency number.

With an onboard relay, the Carina Surface Mount Indoor Intercom allows centralized or local control of a door lock or other relay options such as a strobe.

Programming the Carina Surface Mount Indoor Intercom is simple, and LED feedback on the intercom lets installers know when their system is up and running. Wahsega's Carina Event Manager detects the intercom on startup, and programming is centralized for fast and efficient system initialization and maintenance of large numbers of intercoms for site-wide management.

With simple installation and programming, advanced functionality and reduced labor and installation costs, the Wahsega Carina Surface Mount Indoor Intercom is the perfect solution for a wide range of applications.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Surface mount installation
- Fully configurable via Carina Event Manager
- SIP compliant for both PBX and peer-to-peer (P2P) capability
- Environmental noise suppression
- Full-duplex audio with Acoustic Echo Cancellation (AEC)
- Multicast audio paging with multiple priority levels
- Top and side raceway knockouts
- Integrated status LED
- Integrated microphone
- Industry-leading low standby power
- PoE 802.3af enabled
- Web-based mic & speaker volume control
- On-board relay for door control

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE (Power-over-Ethernet) 802.3af
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: G.711 uLaw, G.711 aLaw, G.722 HD, G.726 fixed payload, G.729, DVI4 HD, DVI4 Narrowband, OPUS
- Audio Sampling: Up to 48KHz
- Speaker Drive Capabilities: 4W
- Speaker Impedance: 6Ω
- Speaker Sensitivity: 80dB 1W/1m SPL
- Form C (SPDT) Relay Contact Closure Rating: 30VDC or 270VAC, 3A
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Cable Length for Optional Horn Speaker: 20ft
- Temperature Range: -40°C to +60°C
- Dimensions: 4.3" x 4.8" x 1.94"
- Construction: 20-gauge steel housing with white polyester powdercoat paint
- Regulatory Compliance: FCC Class B
- Warranty: 2 years limited

Model Numbers

Wahsega Labs	Intercom	Mount	Protocol	Options	Color	Relay
WL	IC	SMT	CAR	I	W	R
Wahsega Labs	Intercom	BKMT = Back Mount FLMT = Flush Mount SMT = Surface Mount	Carina	O = Outdoor I = Indoor V = Vandal Resistant (Outdoor only) NB = No Button 2B = Two Buttons	Blank = Brushed Metal W = White Glossy (Interior only)	Relay

Available Carina Surface Mount Indoor Intercom Model Numbers:

WL-IC-SMT-CAR-I-W-R

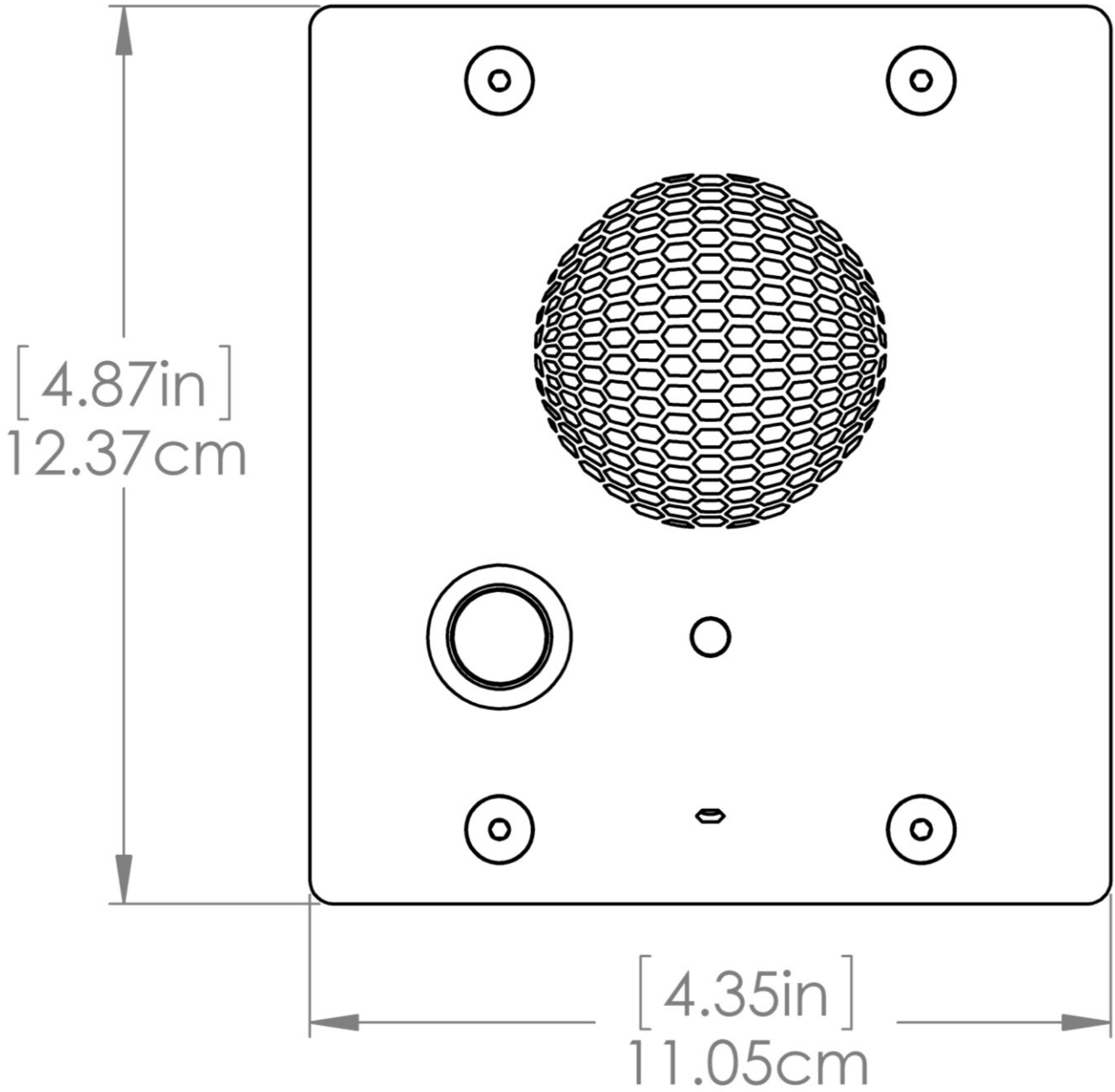
WL-IC-SMT-CAR-I2B-W-R

Job Name: Model Numbers: Date:

Location: Notes:

Dimensions

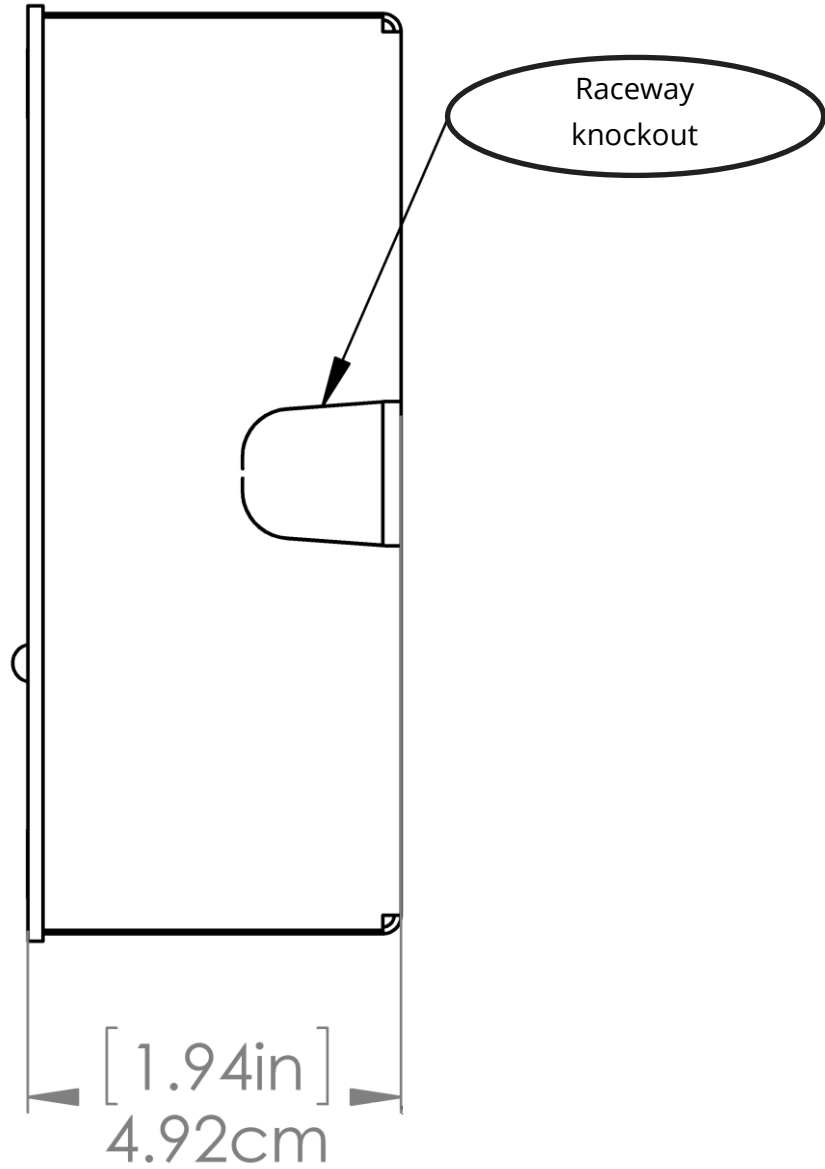
Front View



Job Name: Model Numbers: Date:

Location: Notes:

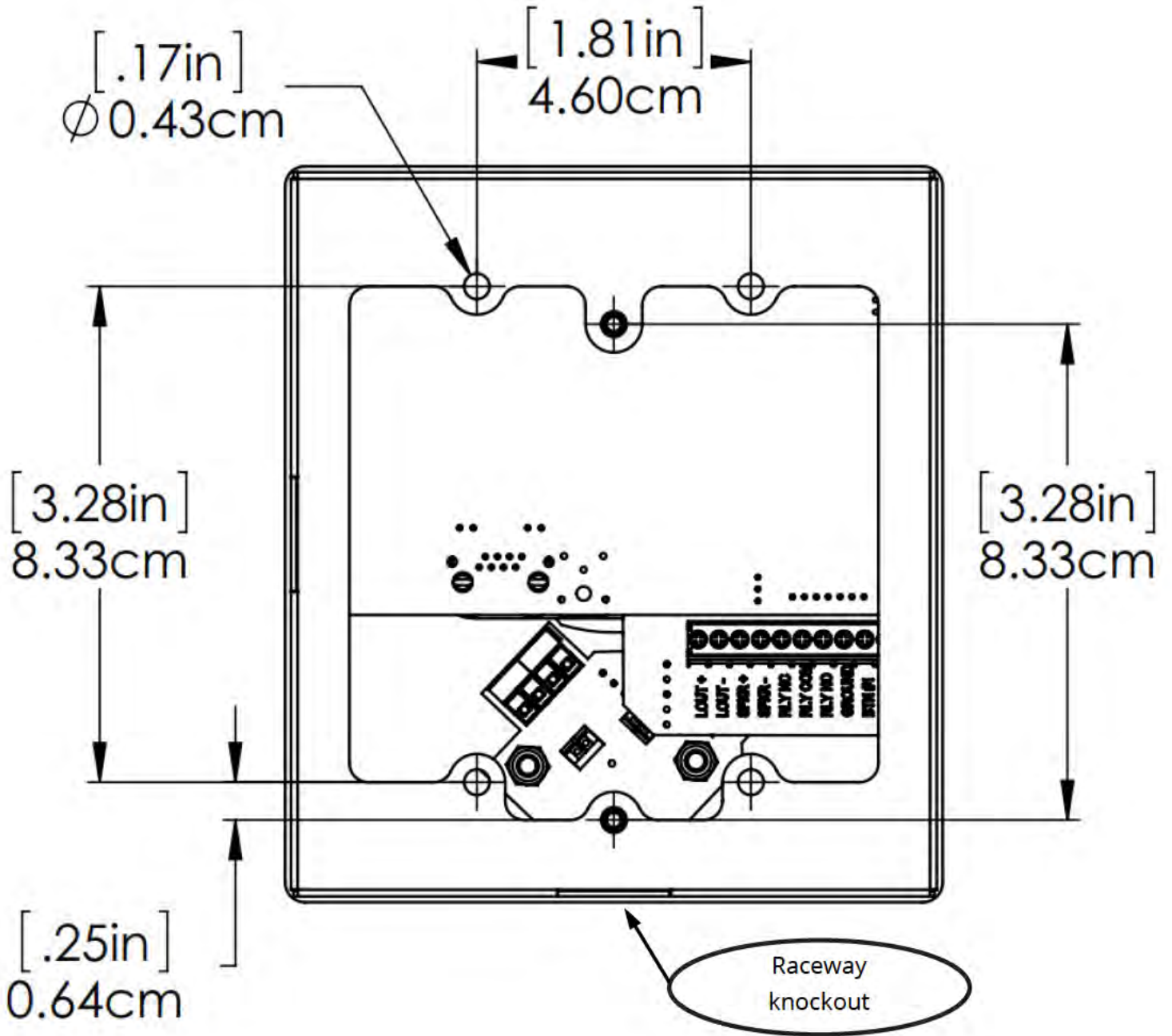
Side View



Job Name: Model Numbers: Date:

Location: Notes:

Rear View



Job Name: Model Numbers: Date:

Location: Notes:

Event Manager



Description

The Wahsega Event Manager is an on-premise mass notification platform with an easy-to-use bell scheduler, live paging and emergency alerts for a single campus. A member of Wahsega's Carina family of products, the Event Manager performs auto-discovery on Carina endpoints at startup and enables users to configure those endpoints individually or in bulk. Used in conjunction with a SIP server such as Wahsega's PICS, Event Manager can deliver live pages from phones to pre-configured audio zones throughout campus. For bells and emergency alerts, pre-recorded audio files are stored in the Event Manager and deployed to endpoints via preconfigured calendar event, a SIP call or the click of a webpage button.

With autodiscovery, bulk configuration and quick webpage setup, the Carina Event Manager makes it easy to deploy a reliable campus-wide emergency alert and notification system.

Features

- Bell scheduler
- Emergency alerts
- Auto-discovery of Wahsega Carina devices for configuration
- Fully configurable via simple webpages
- Easy installation
- 45-day power fail memory
- Remote firmware upgradeable
- Bulk firmware upgrades for Carina system devices
- Discoverable via SSDP in Windows Explorer
- Global, bulk and individual device configuration options
- Multiple levels of logging
- Software/configuration reset button
- 10/100 Ethernet port with Power-over-Ethernet (802.3af PoE)
- +9V to +16V DC input (if not using PoE)
- Standard 1u rack mounting

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Ethernet: 10/100 Mbps
- Protocol: SIP RFC 3261 compatible
- Power Input: PoE 802.3a *or* +9-16V DC
- Current Draw: <2W
- Max Cable Length: 100m (per standard)
- Temperature Range: -40C to +60C
- Construction: Aluminum extrusion with aluminum faceplates
- Dimensions: 1.66" H x 4.75" W x 5.30" D
- Weight: 15.1 ounces
- Warranty: 2 years limited

Model Number

Wahsega Labs	Event Manager	Carina
WL	EM	CAR

WL = Wahsega Labs

EM = Event Manager

CAR = Carina

WL-EM-CAR

Wahsega Labs

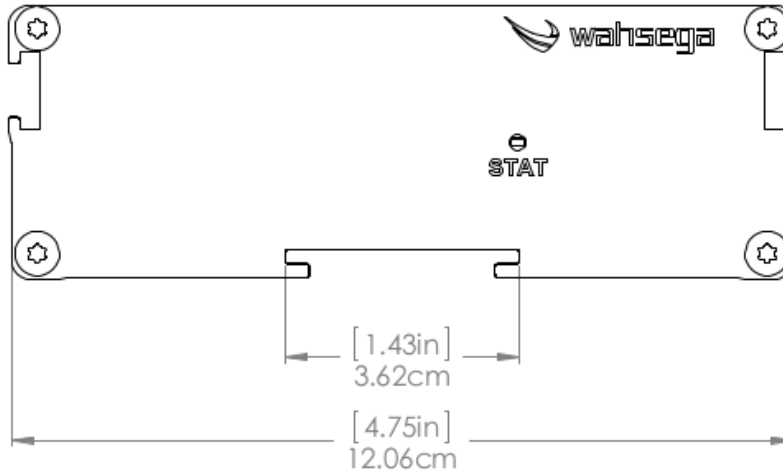
Event Manager

Carina

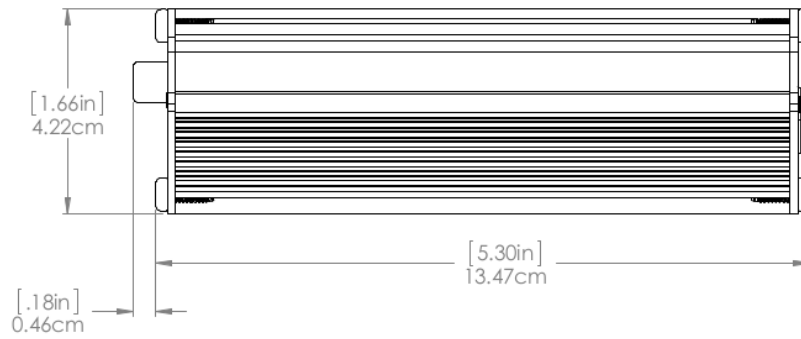
Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

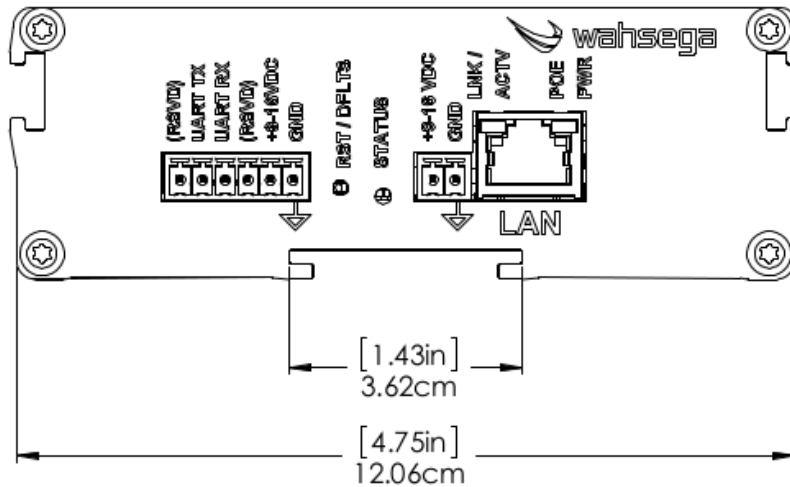
Front View



Side View



Rear View



Job Name: Model Numbers: Date:

Location: Notes:

Diet PBX



Description

Diet PBX is a simple, easy to deploy IP PBX hardware device with built-in DHCP server, SIP-to-multicast paging capability and a line-in audio jack for background multicast music support. As an advanced paging IP PBX hardware appliance, Diet PBX allows users to easily create a full VoIP communication system with Wahsega’s intercoms, paging adaptors, IP phones and ceiling speakers as well as third-party SIP-compliant devices. With rapid boot times and easy setup and programming, Diet PBX is a well-rounded yet simple IP PBX solution.

Features

- IP PBX hardware device
- Standard 1u rack mounting
- Built-in DHCP server
- Line in audio jack for background multicast music support
- Line out audio jack
- SIP-to-multicast rebroadcast for paging
- Up to 32 registered SIP VoIP clients
- Support for an independent external gateway
- Discoverable via SSDP in Windows Explorer
- Supports up to four paging groups
- Supports up to two ring groups and hunt groups
- Fully configurable via simple webpages
- Easy installation
- Incredibly fast boot time
- Remote firmware upgradeable
- Software/configuration reset button
- Multiple mono codecs to choose from
- 10/100 Ethernet port with Power-over-Ethernet (802.3af PoE)
- +9V to +16V DC input (if not using PoE)
- Lowest power consumption of any IP PBX in the market (<1W)

Job Name: Model Numbers: Date:

Location: Notes:

Specifications

- Ethernet: 10/100 Mbps
- Protocol: SIP RFC 3261 compatible
- Power Input: PoE 802.3a or 9-16V DC input
- Audio Codecs: G.711, G.726 (16/24/32/40kbps), G.722
- Current Draw: <1W
- Impedance: 600Ω
- Max Cable Length: 100m (per standard)
- Temperature Range: -40C to +85C
- Output Trim Range (web configurable): +4dBu to -10dBV nominal
- Construction: Aluminum extrusion with steel faceplates
- Dimensions: 1.66" H x 4.75" W x 5.30" D
- Weight: 15.1 ounces
- Regulatory Compliance: FCC Class B
- Warranty: 2 years limited

Model Number

Wahsega Labs	PBX	Diet
WL	PBX	DIET
Wahsega Labs	PBX	Diet

WL-PBX-DIET

Wahsega Labs

PBX

Diet

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Surface Mount Wall Speaker with InformaCast®



Description

The Wahsega Surface Mount Wall Speaker supports dual registration with InformaCast® and SIP. With classroom sound reinforcement functionality and the ability to drive a second, independent classroom speaker, the surface mounted wall speaker is powered via Power-over-Ethernet (PoE). This low-cost, high-quality wall speaker can function as a 2-way intercom and receive broadcast announcements via Singlewire's InformaCast Advanced Notification System, all from a single IP speaker.

With two onboard relays, the Wahsega Surface Mount Wall Speaker enables emergency classroom lockdown by controlling door locks for up to two doors.

The IP wall speaker works with standard panic buttons. Its advanced functionality can also reduce the number of false alarm triggers from that panic button. With this feature, a brief button press places a call to one preconfigured number—such as the front office—while a longer press-and-hold will call a second, preconfigured panic number.

The Wahsega IP wall speaker also has the ability to drive a second, lower-cost Wahsega speaker up to 20 meters away via Cat5e or Cat6 cable. For larger classrooms where a second speaker is needed, the WL-SPKR-SMT-A can be used to increase audio output without the need for a second PoE homerun. Alternately, the Wahsega Surface Mount Wall Speaker can be used in conjunction with the WL-SPKR-SMT-2R for independent control of two separate classrooms, using only one PoE homerun.

The InformaCast system will automatically recognize and register the speakers, making programming quick and efficient. Both audible and LED feedback at the speakers will let installers know when their system is up and running.

With simple installation and advanced functionality, the Wahsega Wall Speaker with InformaCast and SIP is perfect for any classroom application, large or small.

Job Name:	<input type="text"/>	Model Numbers:	<input type="text"/>	Date:	<input type="text"/>
Location:	<input type="text"/>	Notes:	<input type="text"/>		

Features

- Dual registration: SIP and InformaCast
- PoE 802.3af enabled (Power-over-Ethernet)
- Industry-low standby power consumption
- Fully configurable via simple webpages
- Automatic InformaCast server registration
- QR code label for easy MAC address ID
- Multiple audio codecs to choose from
- Simple surface-mount wall installation
- Integrated status LED
- Can drive two separate classrooms, lowering cost per classroom
- Able to drive second Wahsega speaker up to 20m away via Cat5e or Cat6
- Microphone input
- Web-based mic and speaker volume control
- Two onboard relays for door control
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement faceplate
- Available classroom sound reinforcement audio input wallplate

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: <1 Watt
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: G.711, G.726 (16/24/32/40kbps), G.722, G.729, DVI4 (narrow/HD/Ultra HD), Linear PCM, iLBC, Speex, SILK
- Audio Sampling: CD audio of 44.1kHz for InformaCast high quality announcements
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: 120° / 4 kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Secondary Speaker Cat5e or Cat6 Cable Length: 20m
- Temperature Range: -40°C to +85°C
- Dimensions: 9.25" x 7.0" x 4.62"
- Construction: 24-gauge steel housing with white polyester powdercoat paint
- Options: Remote Sound Reinforcement Wallplate, Wahsega Auxiliary Analog Speaker
- Warranty: 2 years limited

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Model Numbers

Primary Speaker

WL-SPKR-SMT-INF

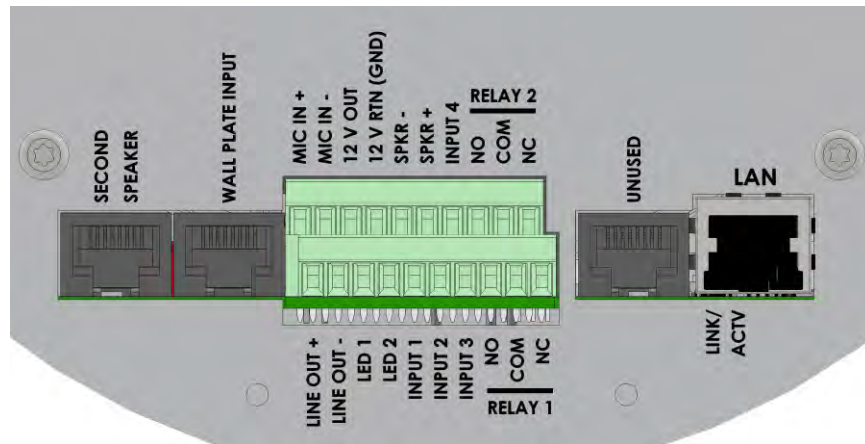
Wahsega Labs	Speaker	Mount	Protocol
WL	SPKR	SMT	INF
Wahsega Labs	Speaker	Surface Mount	SIP = SIP INF = InformaCast + SIP

Secondary Speaker

WL-SPKR-SMT-2R

Wahsega Labs	Speaker	Mount	Functionality
WL	SPKR	SMT	2R
Wahsega Labs	Speaker	Surface Mount	A = Analog 2R = Second Room

Connections



Installation

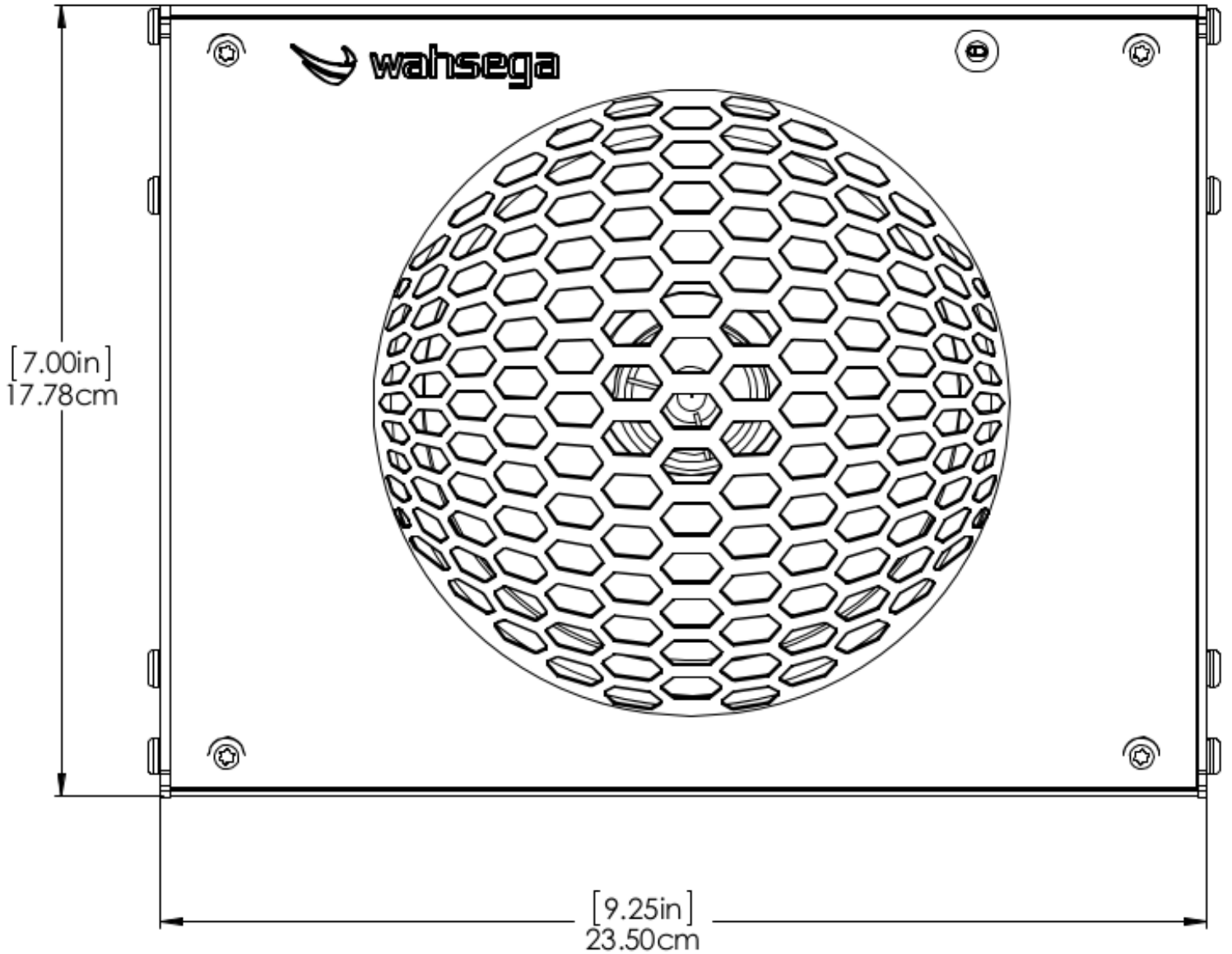
Simple, surface mount wall installation with rear conduit access and top and bottom raceway access for wiring. Power supplied via Power-over-Ethernet (PoE) 802.3af.

Job Name: Model Numbers: Date:

Location: Notes:

Dimensions

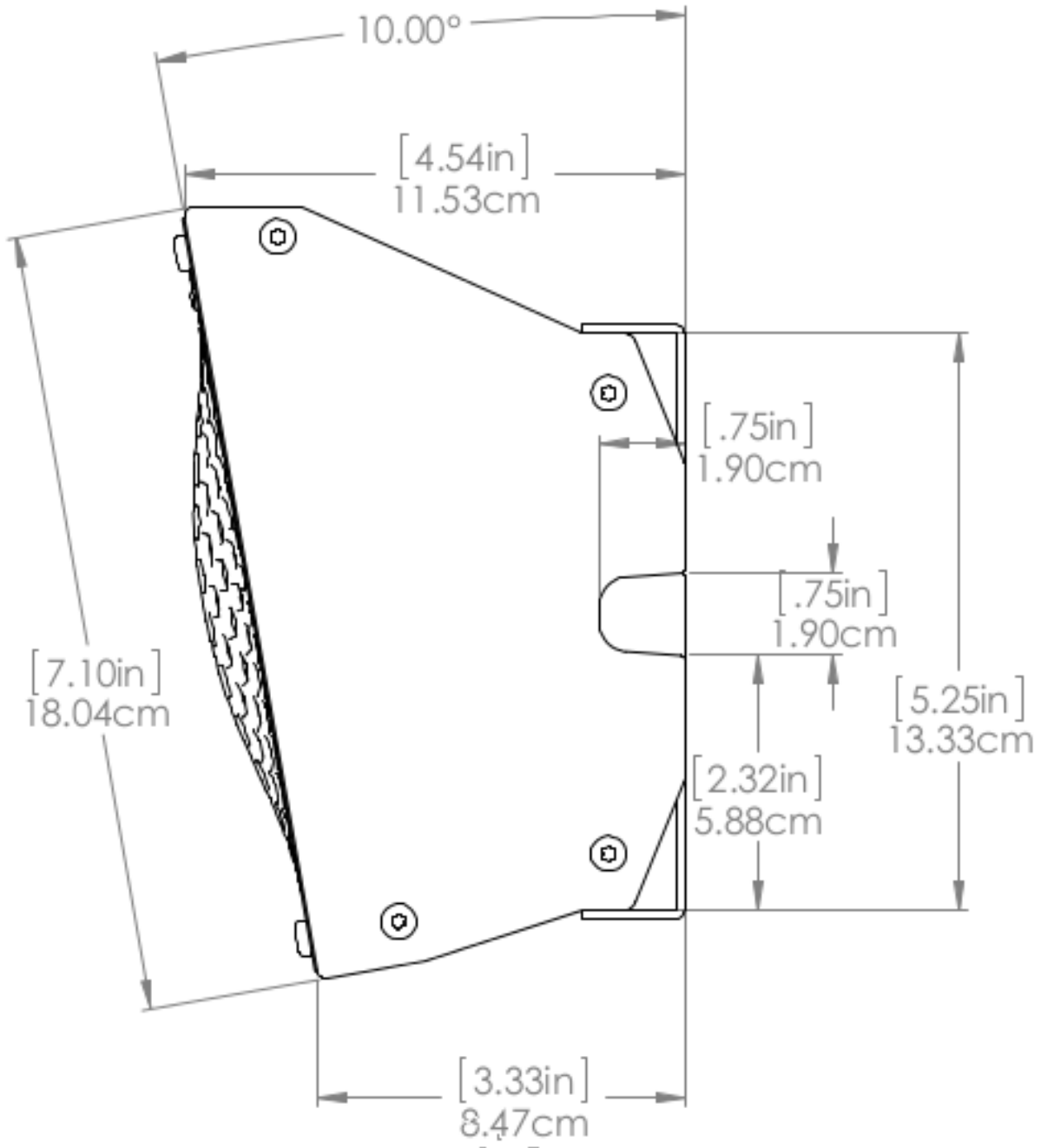
Front View



Job Name: Model Numbers: Date:

Location: Notes:

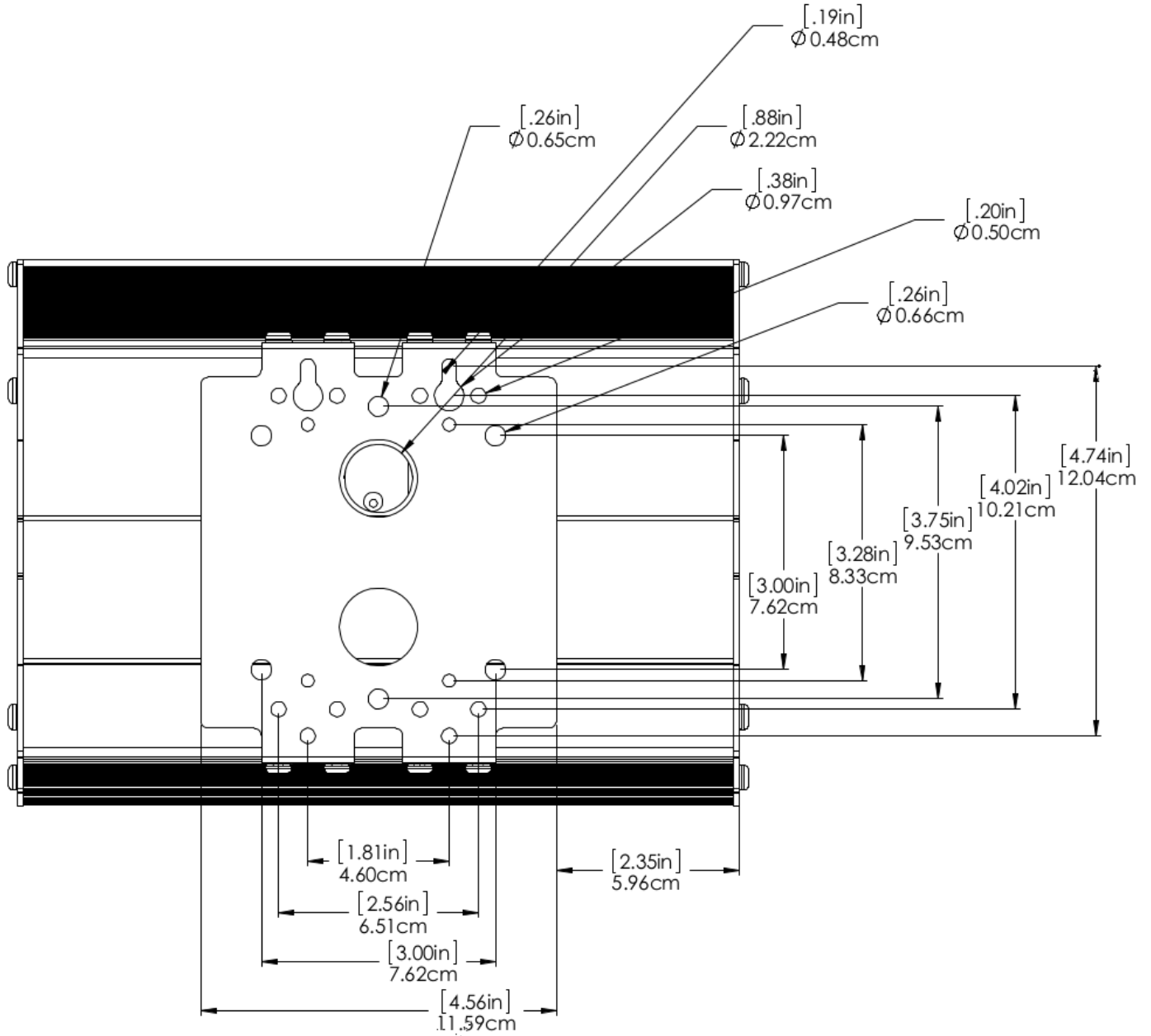
Side View



Job Name: Model Numbers: Date:

Location: Notes:

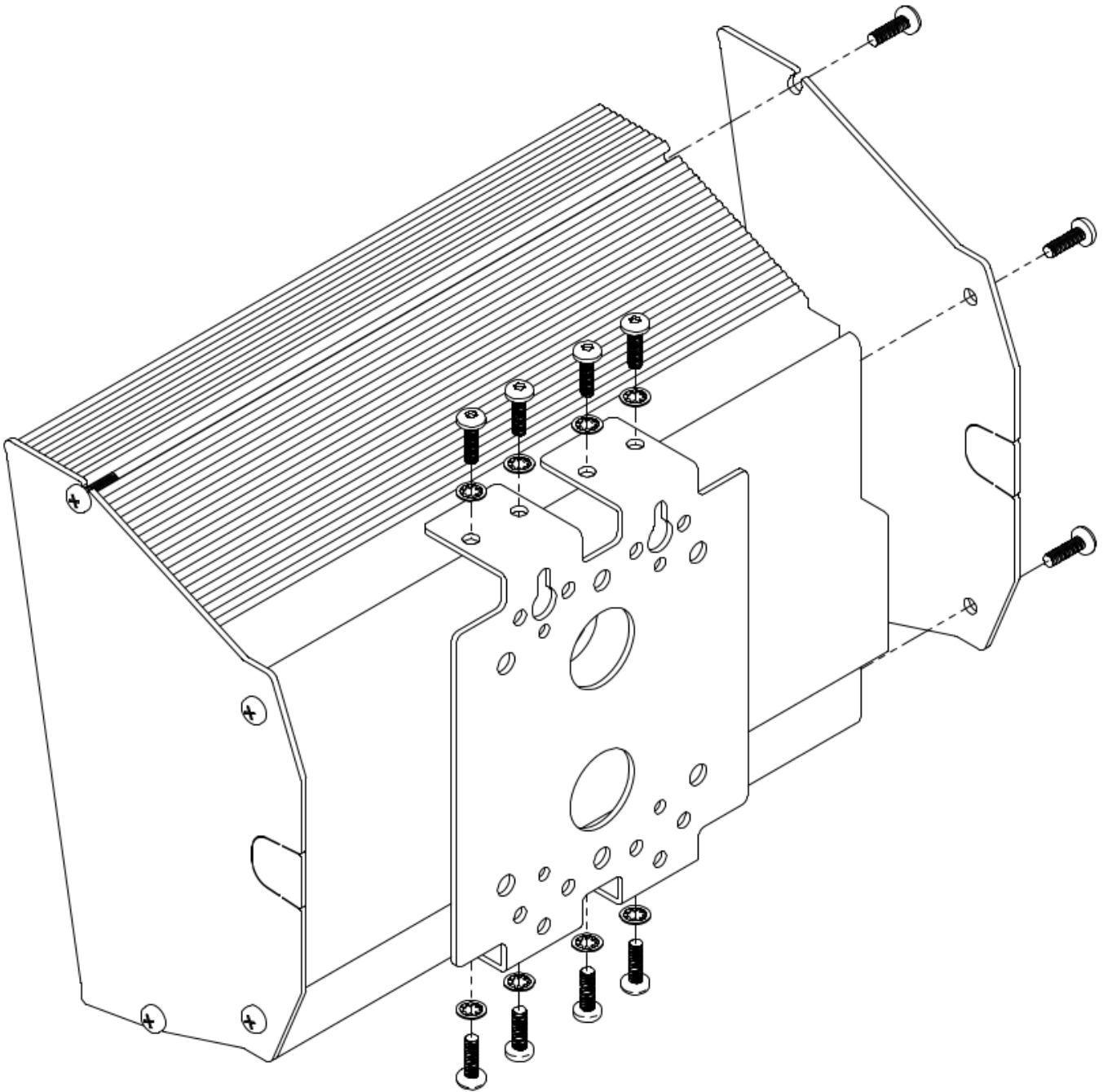
Rear View



Job Name: Model Numbers: Date:

Location: Notes:

Installation View



Job Name:

Model Numbers:

Date:

Location:

Notes:

Carina Single-Channel IP Paging Zone Controller with Relay



Description

Send or receive to analog speakers within specified zones using the Wahsega Carina Single-Channel IP Paging Zone Controller with Relay. Automatically discovered by the Wahsega Event Manager as a part of the Carina system, the Carina Zone Controller may function as either an input or an output and is easily and centrally configured within the Event Manager.

In addition to streaming RTP Multicast broadcasts, the Zone Controller can register as a SIP extension and send or receive VoIP calls through a PBX. The single-channel Zone Controller has an integrated relay with audio detection. When any incoming or outgoing audio is detected, the relay can be set to actuate, closing the “normally open” path. The Wahsega Carina IP Paging Zone Controller with Relay is perfect for paging applications in school auditoriums, multi-level buildings and retail operations with multiple branch locations.

Features

- Automatic registration with Wahsega Event Manager
- SIP Compliant
- Integrated relay
- Fully configurable via simple webpages
- Easy installation
- Built-in Web server
- Remote firmware upgradeable
- Software/configuration reset button
- Multiple mono codecs to choose from
- Customizable line level output gain
- Standard 1U rack mounting
- 10/100 Ethernet port with Power-over-Ethernet (PoE 802.3af)
- +9V to +16V DC input (if not using PoE)

Job Name: Model Numbers: Date:

Location: Notes:

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af (or +9V to +16V DC input)
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: 16-bit PCM (uncompressed), u-law (G.711u), a-law (G.711a), G.722, G.729
- Audio Sampling: 8 kHz, 16 kHz, or 32 kHz
- Current Draw: <2W
- Impedance: 600Ω
- Max Cable Length: 100m (per standard)
- Temperature Range: -40°C to +60°C
- Output Trim Range (Web configurable): +4dBu to -10dBV nominal
- Form C (SPDT) Relay Contact Closure Rating: 30VDC or 270VAC, 3A
- Construction: Aluminum extrusion
- Regulatory Compliance: FCC Class B
- Dimensions: 1.66" H x 4.75" W x 5.30" D
- Warranty: 2 years limited

Model Numbers

WL-ZN-CTR-1CH-CAR-R

Wahsega Labs	Zone	Controller	Channels	Platform	Options
WL	ZN	CTR	1CH	CAR	R
Wahsega Labs	Zone	Controller	1-CH = Single Channel	CAR = Carina	With Relay

WL-ZN-CTR-1CH-CAR-R

Wahsega Labs
Zone Controller
Single Channel
Carina Platform
With Relay

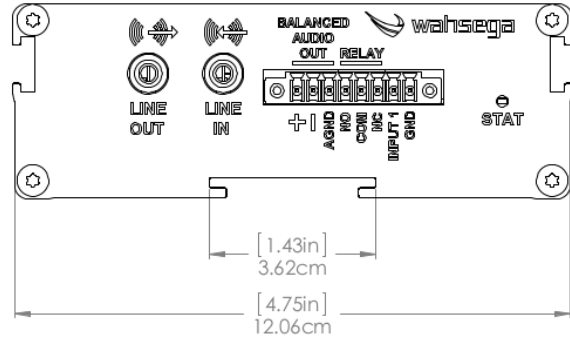


Job Name: **Model Numbers:** **Date:**

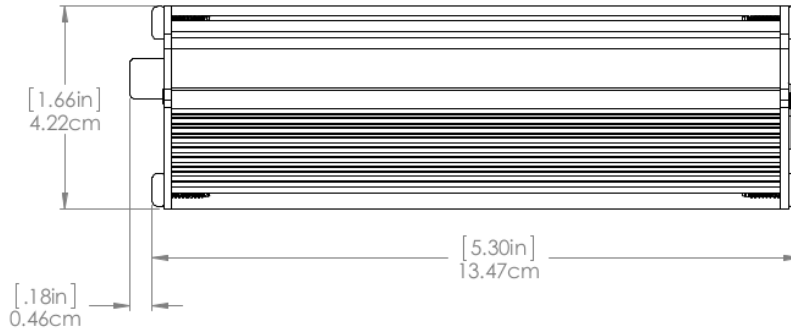
Location: **Notes:**

Dimensions

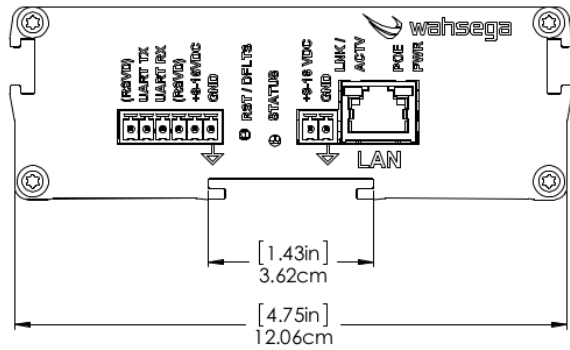
Front



Side



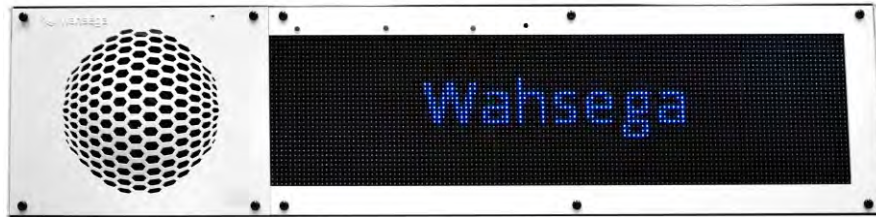
Rear



Job Name: Model Numbers: Date:

Location: Notes:

Large IP Display with InformaCast® and Flashers



Description

Wahsega's line of PoE-enabled IP Displays enables continuous time and date display and also allows for critical textual information to be scrolled on the display. The Wahsega POE-enabled Large IP Display with InformaCast® and Flashers has a 20-inch wide LED display which supports over 32,000 colors with an LED resolution that is twice what competing products provide. All text is rendered using vector fonts, allowing for improved readability.

The Wahsega Large IP Display with InformaCast® and Flashers supports dual registration with InformaCast® and SIP as well as multicast for background music. With network connectivity, scrolling LED display, built-in speaker and multi-color flashers, the Wahsega Large IP Display with InformaCast® and Flashers broadcasts both audible and visible messages to hallways, classroom, offices and large rooms.

Two integrated relays let building managers remotely control external devices. A built-in microphone allows for two-way SIP communication, and time synchronization is handled by a network SNTP Server.

The Wahsega POE-enabled Large IP Display with InformaCast® and Flashers can even power a second, auxiliary speaker up to 20 meters away via an Ethernet cable, increasing the audio coverage in the space.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Dual registration: SIP and InformaCast
- Automatic InformaCast server registration
- PoE 802.3af enabled
- Able to drive second Wahsega analog speaker $\leq 20\text{m}$ away via Cat5e or Cat6
- Fully configurable via simple webpages
- Multiple audio codecs to choose from
- Simple surface-mount wall installation
- Built-in microphone for two-way communication
- Web-based mic and speaker volume control
- Classroom sound reinforcement audio input wallplate available
- Status feedback
- Two onboard relays for door control
- Text display up to 5" high
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement wallplate
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- One to three lines of text display
- Time set by network SNTP Server with no manual adjustments necessary
- Receive bell and event schedule alerts from InformaCast or third party
- Display 12- or 24-hour clock with four or six numerals
- Auto-dim feature for energy reduction
- Text display is configurable for scrolling of page by page mode.
- 32,768 LED colors
- 32 x 64 resolution

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: < 1 Watt
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: G.711, G.726, G.722, G.729, DVI4, Linear PCM, iLBC, Speex, SILK, Opus
- Audio Sampling: CD audio of 44.1kHz for InformaCast® high quality announcements
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: $120^\circ / 4$ kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Secondary Speaker Cat5e or Cat6 Cable Length: 20m
- Temperature Range: -40°C to $+85^\circ\text{C}$
- Weight: 13 lbs
- Overall Dimensions: 30.45" W x 7.00" H x 4.54" D
- LED Panel Dimensions: 5" tall x 20" wide
- Construction: Metal housing with polyester powdercoat paint
- Warranty: 2 years limited

Job Name: Model Numbers: Date:

Location: Notes:

Model Numbers

WL-IPD-SPKR-520-INF-F

Wahsega Labs	Display	Speaker	Display Height	Display Width	Protocol	Options
WL	IPD	SPKR	5	20	INF	F
Wahsega Labs	IP Display	with Speaker	5 = 5" High Display	10 = 10" Wide Display 20 = 20" Wide Display 30 = 30" Wide Display 40 = 40" Wide Display D = Double Sided	SIP = SIP + Multicast INF = SIP + InformaCast	F = with Flashers C = Ceiling Mount O = Outdoor

Installation

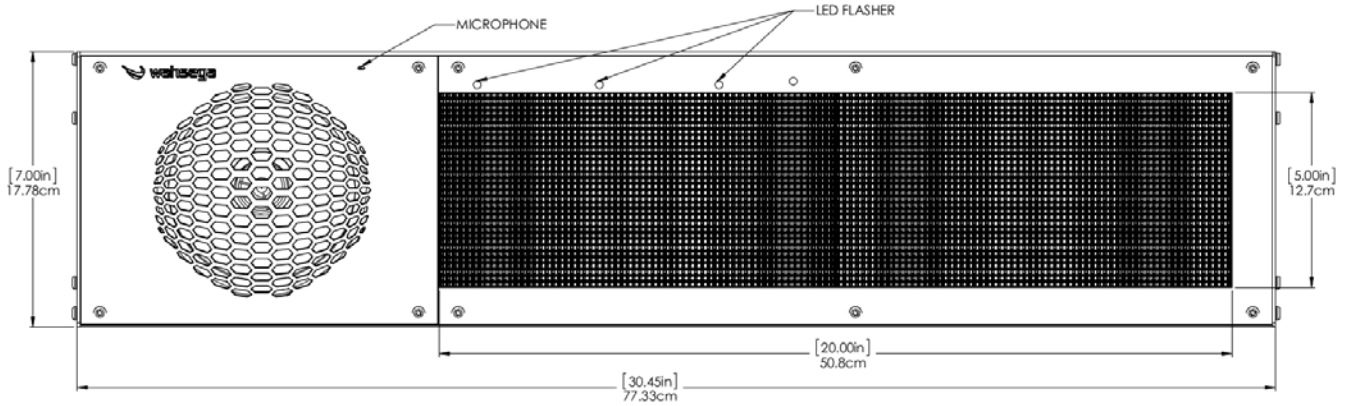
Simple, surface mount wall installation with rear and side access for wiring. Power supplied via Power over Ethernet (PoE) 802.3af. The Wahsega Large IP Display with InformaCast and Flashers mounts to the front of two (2) single-gang or two-gang electrical backboxes or to the surface of a wall, using its included mounting brackets and the appropriate wall anchors for the mounting surface.

Job Name:
Model Numbers:
Date:

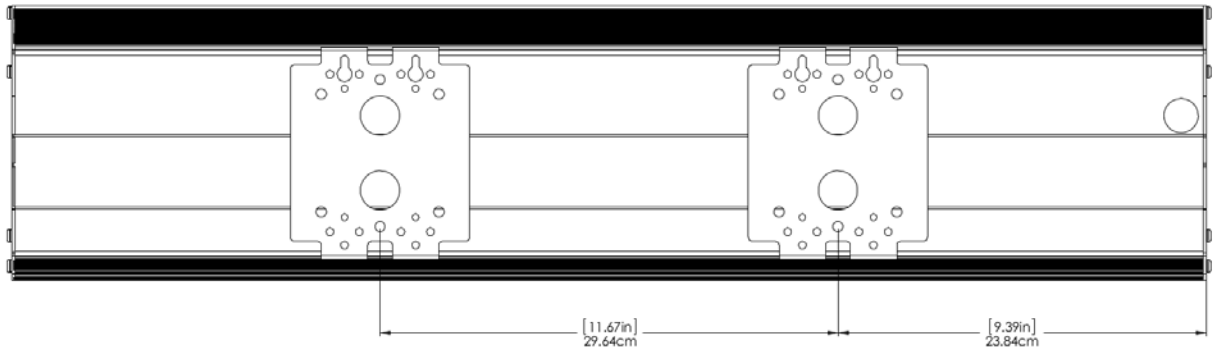
Location:
Notes:

Dimensions

Front View



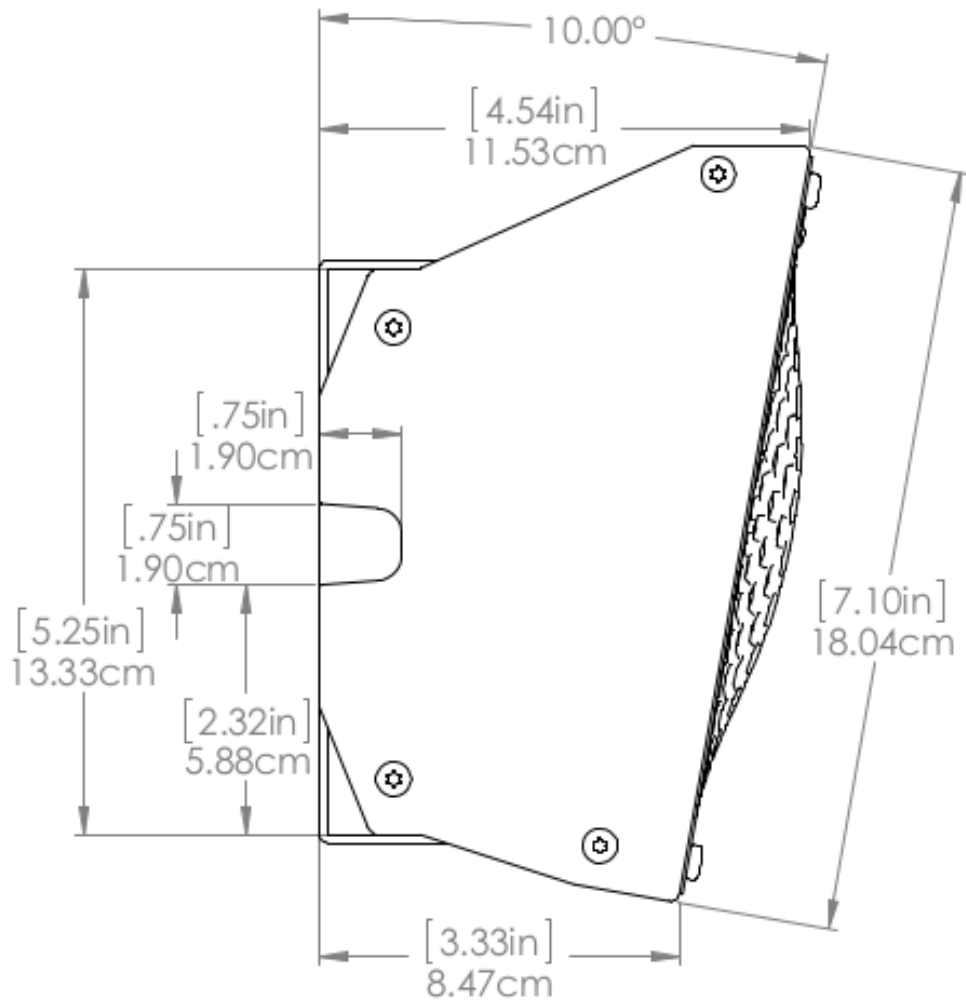
Rear View



Job Name: Model Numbers: Date:

Location: Notes:

Side View



Job Name:

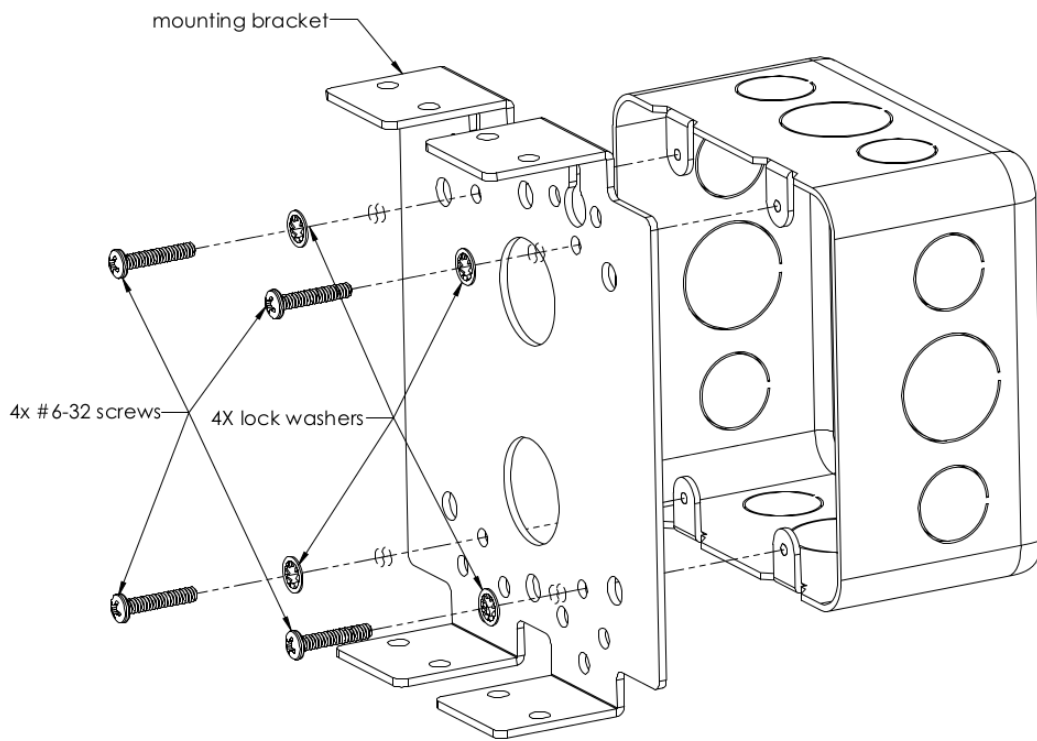
Model Numbers:

Date:

Location:

Notes:

Mounting Bracket



Job Name:

Model Numbers:

Date:

Location:

Notes:

Carina Event Manager



Description

The Wahsega Carina Event Manager is a next-generation mass notification and IoT platform for many different types of buildings. Featuring an easy-to-use calendar scheduler, it incorporates live paging and announcements with audio, text and flashers in addition to sensors and relays for monitoring a variety of building systems. A member of Wahsega's Carina family of products, the Event Manager performs auto-discovery on Carina endpoints at startup and enables users to configure those endpoints individually or in bulk.

Used in conjunction with a SIP server such as Wahsega's PICS, standard IP phones can initiate live audio announcements from the Carina Event Manager to paging zones throughout the building. For bells and announcements including audio and text, pre-recorded audio files stored in the Event Manager can be deployed to endpoints via a preconfigured calendar event, a SIP call or the click of a webpage button. In addition, IoT sensors can be connected to the Carina Sensor Interface Appliance to send out announcements when conditions trigger a relay closure.

With auto-discovery, bulk configuration and quick webpage setup, the Carina Event Manager makes it easy to deploy a reliable building-wide announcement and monitoring system.

Features

- Bell scheduler
- Audio, text and flasher announcements
- Auto-discovery of Wahsega Carina devices for configuration
- Fully configurable via simple webpages
- Easy installation
- 45-day power fail memory
- Remote firmware upgradeable
- Bulk firmware upgrades for Carina system devices
- Industry low power usage
- Global, bulk and individual device configuration options
- Monitor multiple building IoT sensors
- Network device health reporting
- 10/100 Ethernet port with Power-over-Ethernet (802.3af PoE)
- +9-16V DC input (if not using PoE)
- Standard 1u rack mounting



Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Ethernet: 10/100 Mbps
- Protocol: SIP RFC 3261 compatible
- Power Input: PoE 802.3af or +9-16V DC
- Current Draw: <2W
- Max Cable Length: 100m (per standard)
- Temperature Range: -40C to +60C
- Construction: Aluminum extrusion with aluminum faceplates
- Dimensions: 1.66" H x 4.75" W x 5.30" D
- Weight: 15.1 ounces
- Warranty: 2 years limited

Model Number

Wahsega Labs	Event Manager	Carina
WL	EM	CAR

WL = Wahsega Labs

EM = Event Manager

CAR = Carina

WL-EM-CAR

Wahsega Labs

Event Manager

Carina

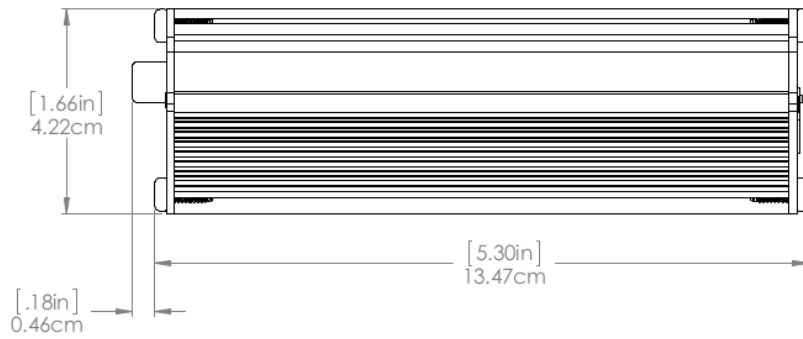
Job Name: Model Numbers: Date:

Location: Notes:

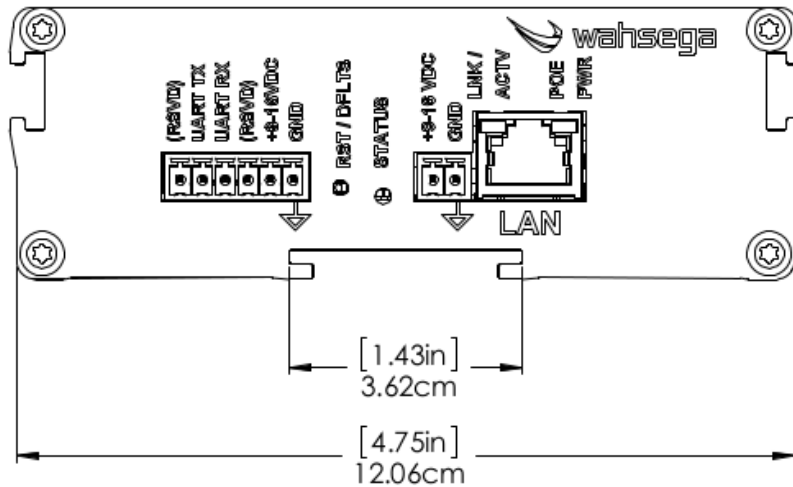
Front View



Side View



Rear View



Job Name:

Model Numbers:

Date:

Location:

Notes:

Carina IP Panic Button



Description

Wahsega's Carina IP Panic Button is designed and manufactured in the USA. With its low profile, the Carina IP Panic button can be discretely placed under a desk or other secure location. Users can place an emergency SIP call to a preconfigured phone number, and the answering party can listen in to assess the situation. Perfect for use in schools and universities, banks, medical facilities and multi-tenant office buildings, the Carina IP Panic Button has an integrated microphone for high quality SIP audio and an on-board relay which can trigger security devices such as a camera or a door lock. Advanced button press technology allows the unit to call one number with a short button press and another number with a long button press. Setup is quick and easy with the centralized Carina Event Manager, which automatically detects each unit on startup. Each unit is powered via Power-over-Ethernet (PoE), using just one cable for both communication and power.

Features:

- SIP compliant
- Peer-to-peer SIP capable
- PoE 802.3af enabled (Power-over-Ethernet)
- Environmental noise suppression
- On-board relay
- Advanced button press functionality
- Fully configurable via Wahsega Carina Event Manager
- Web-based volume control
- LED indicator light



Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Ethernet: 10/100 Mbps (Can force 10Mbps full-duplex)
- Protocol: SIP RFC 3261 compatible
- Temperature Range: -40°C to +60°C
- Audio Codecs: G.711 uLaw, G.711 aLaw, G.722 HD, G.726 fixed payload, G.729, DVI4 HD, DVI4 Narrowband, OPUS
- Audio Sampling: Up to 48KHz
- Form C (SPDT) Relay Contact Closure Rating: 30VDC or 270VAC, 3A
- Dimensions: 4.87" x 4.35" x 1.18" (H x W x D)
- Warranty: 2 years limited
- Regulatory Compliance: FCC Class B
- Power Input: PoE 802.3af

Model Numbers

Wahsega Labs	Panic Button	Mic	Protocol	Color	Relay
WL	PB	M	CAR	W	R
Wahsega Labs	PB = Panic Button	M = Microphone	Carina	W = White	R = with Relay

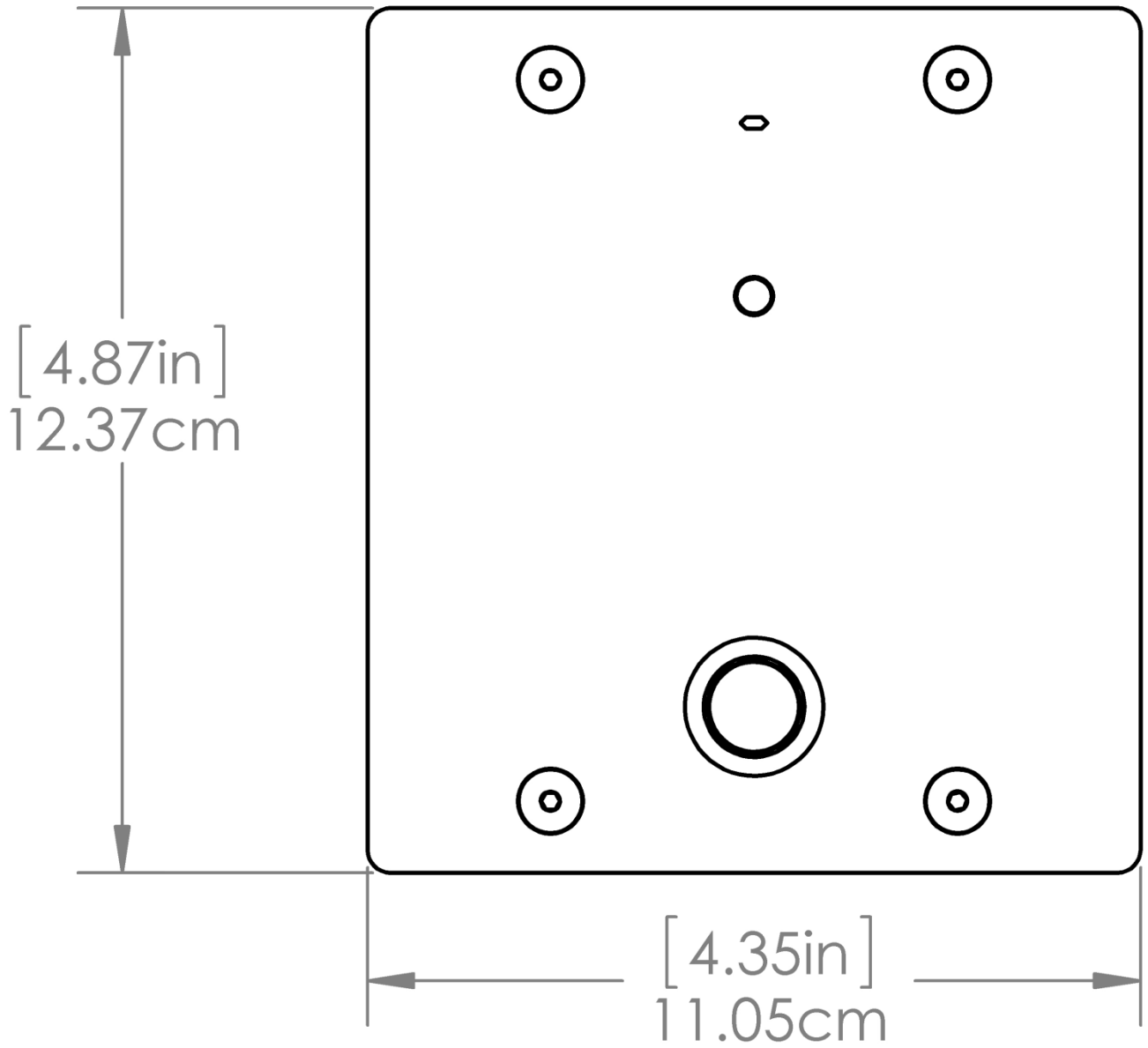
WL-PBM-CAR-W-R

Wahsega Labs
Panic Button
with Microphone
Carina
White
with Relay

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

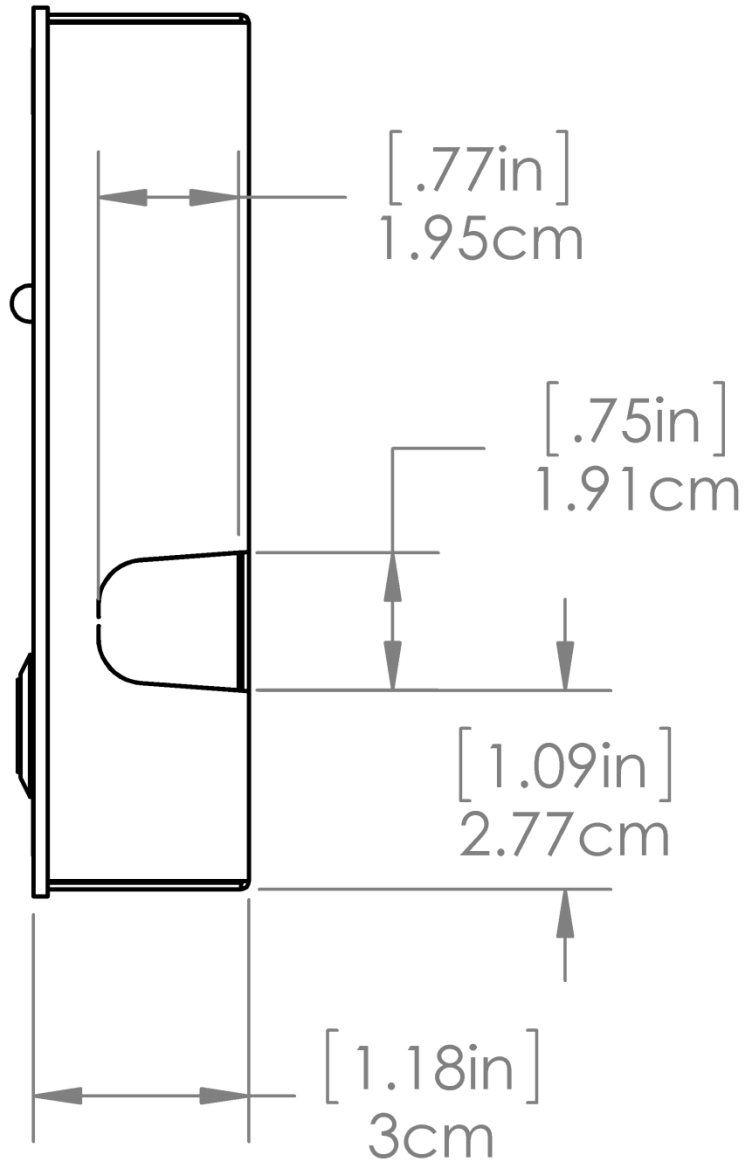
Dimensions



WL-PBM-CAR-W-R
Front view

Job Name: Model Numbers: Date:

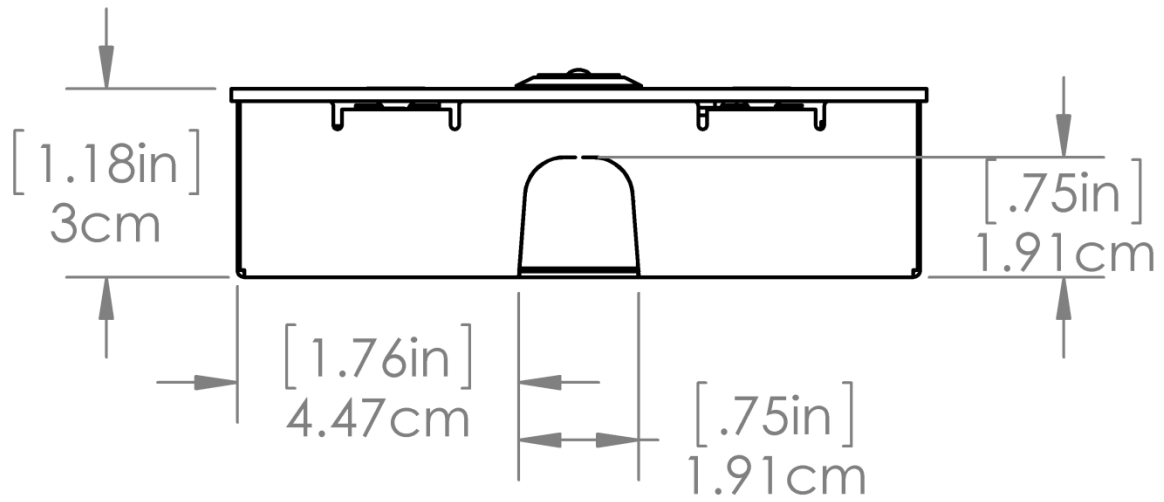
Location: Notes:



WL-PBM-CAR-W-R
Side view

Job Name: Model Numbers: Date:

Location: Notes:

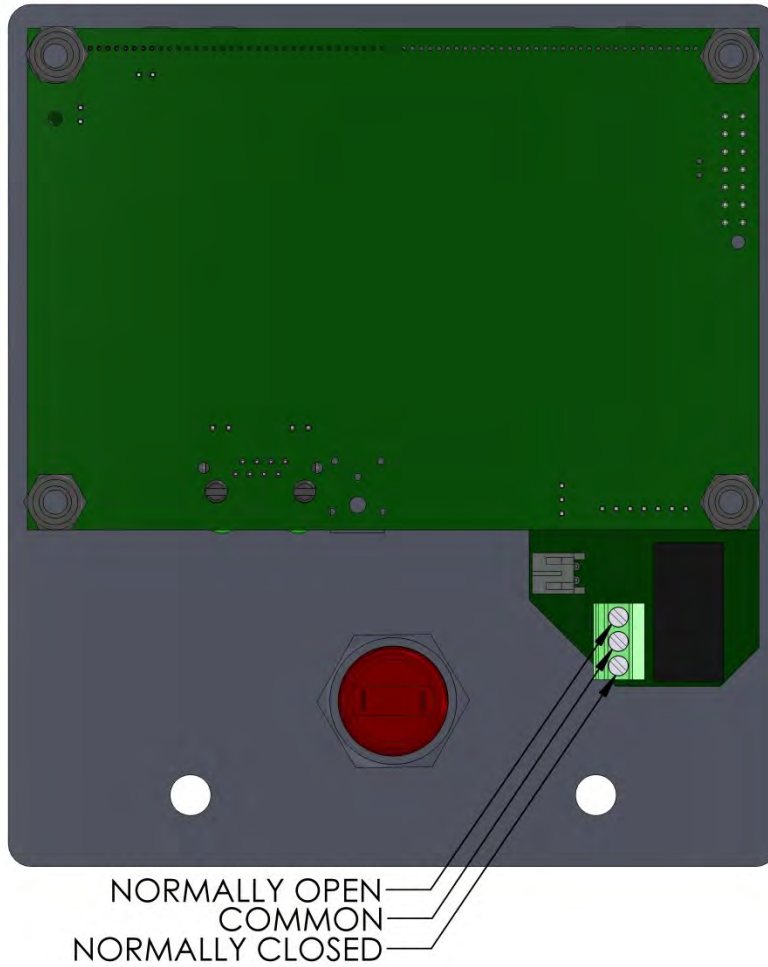


WL-PBM-CAR-W-R
Top view

Job Name: Model Numbers: Date:

Location: Notes:

Class 2 (PELV) Terminal Connections



Job Name: Model Numbers: Date:

Location: Notes:

Carina Paging Intercom Server (PICS)



Description

The Carina Paging Intercom Server (PICS) is a simple, easy to deploy IP PBX hardware device with built-in DHCP server, SIP-to-multicast paging capability and a line-in audio jack for background multicast music support. As an advanced paging IP PBX hardware appliance, PICS allows users to easily create a full VoIP communication system with Wahsega’s intercoms, paging adaptors, IP phones and ceiling speakers as well as third-party SIP-compliant devices. With rapid boot times and easy setup and programming, PICS is a well-rounded yet simple IP PBX solution.

Features

- IP PBX hardware device
- Up to 256 registered SIP VoIP clients
- SIP-to-multicast rebroadcast for paging
- Support for 2 independent external gateways
- Supports up to 64 paging groups
- Up to 64 Ring groups and hunt groups
- Built-in DHCP server
- Line out audio jack
- Line in audio jack for background music multicast support
- 2 concurrent calls to external gateways
- Discoverable via SSDP in Windows Explorer
- Easy installation
- Standard 1u rack mounting
- Fully configurable via simple, built-in webpages
- Remote firmware upgradeable
- Incredibly fast boot time
- Software/configuration reset button
- Multiple mono codecs to choose from
- 10/100 Ethernet port with Power-over-Ethernet (802.3af PoE)
- +9V to +16V DC input (if not using PoE)
- Lowest power consumption of any IP PBX in the market (<1W)

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Specifications

- Ethernet: 10/100 Mbps
- Protocol: SIP RFC 3261 compatible
- Power Input: PoE 802.3a or 9-16V DC input
- Audio Codecs: G.711, G.726 (16/24/32/40kbps), G.722, G.729
- Current Draw: <1W
- Impedance: 600Ω
- Max Cable Length: 100m (per standard)
- Temperature Range: -40C to +85C
- Output Trim Range (web configurable): +4dBu to -10dBV nominal
- Construction: Aluminum extrusion with steel faceplates
- Dimensions: 1.66" H x 4.75" W x 5.30" D
- Weight: 15.1 ounces
- Regulatory Compliance: FCC Class B
- Warranty: 2 years limited

Model Number

Wahsega Labs	PICS
WL	PICS

Wahsega Labs Paging Intercom Server

WL-PICS

Wahsega Labs

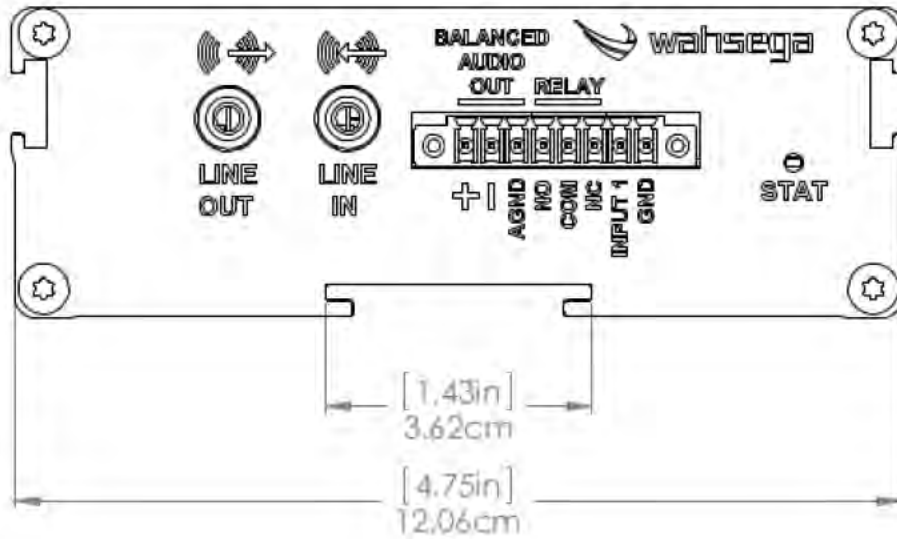
Paging Intercom Server

Job Name: Model Numbers: Date:

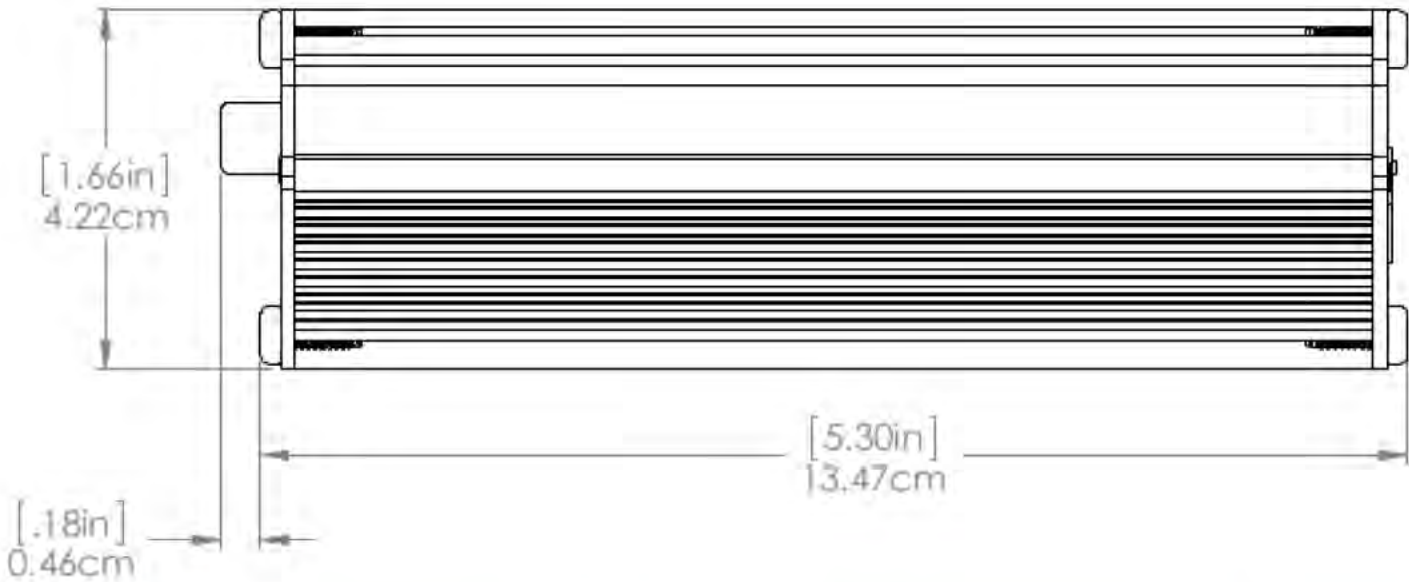
Location: Notes:

Dimensions

Front View



Side View



Job Name: Model Numbers: Date:

Location: Notes:

Carina Double Sided IP Display



Description

Wahsega's line of PoE-enabled Carina IP Displays enables continuous time and date display and broadcasts critical announcements and scrolling text alerts from the Carina Event Manager. The Wahsega Carina Double Sided IP Display has two opposing LED displays and supports over 32,000 colors with an LED resolution that is twice what competing products provide, allowing more information to be displayed. All text is rendered using vector fonts for improved readability.

The Carina Double Sided IP Display supports SIP registration for calls and automatic Wahsega Event Manager discovery for multicast pages, events and scheduling. With network connectivity, scrolling LED display, built-in speaker and multi-color flashers, the Carina Double Sided IP Display broadcasts both audible and visible messages to hallways, classroom, offices or an average-sized room.

Two integrated relays let building managers remotely control external devices. A built-in microphone facilitates two-way SIP communication, and time synchronization is handled by the Event Manager's NTP Server.

The Carina Double Sided IP Display can even power a second, extension speaker (WL-SPKR-xx-A) up to 20 meters away via an Ethernet cable, increasing the audio coverage in the space. Power and data to the Display are provided by POE 802.3af, using a single Cat5e or Cat6 homerun for both speakers. Initialization and programming is all performed centrally at the Event Manager, making setup simple and efficient.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Automatic registration with Wahsega Carina Event Manager
- SIP enabled
- PoE 802.3af enabled
- Able to drive second Wahsega analog speaker $\leq 20\text{m}$ away via Cat5e or Cat6
- Fully configurable via Wahsega Event Manager
- Multiple audio codecs to choose from
- Simple surface-mount wall installation
- Built-in microphone for two-way communication
- Web-based mic and speaker volume control
- Classroom sound reinforcement audio input wallplate available
- Status feedback
- Two onboard relays for door control
- Text display up to 5" high
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement wallplate
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- One to three lines of text display
- Time set by Event Manager SNTP Server with no manual adjustments necessary
- Receive bell and event schedule alerts from Event Manager via RTP multicast
- Display 12- or 24-hour clock with four or six numerals
- Auto-dim feature for energy reduction
- Text display is configurable for scrolling of page by page mode.
- 32,768 LED colors
- 32 x 64 resolution

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: < 1 Watt
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: 16-bit PCM (uncompressed), u-law (G.711u), a-law (G.711a), G.722, G.729
- Audio Sampling: 8 kHz, 16 kHz, or 32 kHz
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: $120^\circ / 4$ kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Secondary Speaker Cat5e or Cat6 Cable Length: 20m
- Temperature Range: -40°C to $+85^\circ\text{C}$
- Weight: 13.25 lbs
- Overall Dimensions: 20.35" W x 7.74" H x 8.25" D (Bracket adds 4.95" W)
- LED Panel Dimensions: 5" tall x 10" wide
- Construction: Metal housing with polyester powdercoat paint
- Warranty: 2 years limited

Job Name: Model Numbers: Date:

Location: Notes:

Model Numbers

WL-IPD-SPKR-510D-CAR

WL-IPD-SPKR-510D-CAR-TM

Wahsega Labs	Display	Speaker	Height	Width	Protocol	Options
WL	IPD	SPKR	5	10D	CAR	
Wahsega Labs	IP Display	with Speaker	5 = 5" High Display	10 = 10" Wide Display 20 = 20" Wide Display 40 = 40" Wide Display D = Double Sided (10" only)	CAR = SIP + Carina INF = SIP + InformaCast SIP = SIP + Multicast	TM = Top Mount

Installation

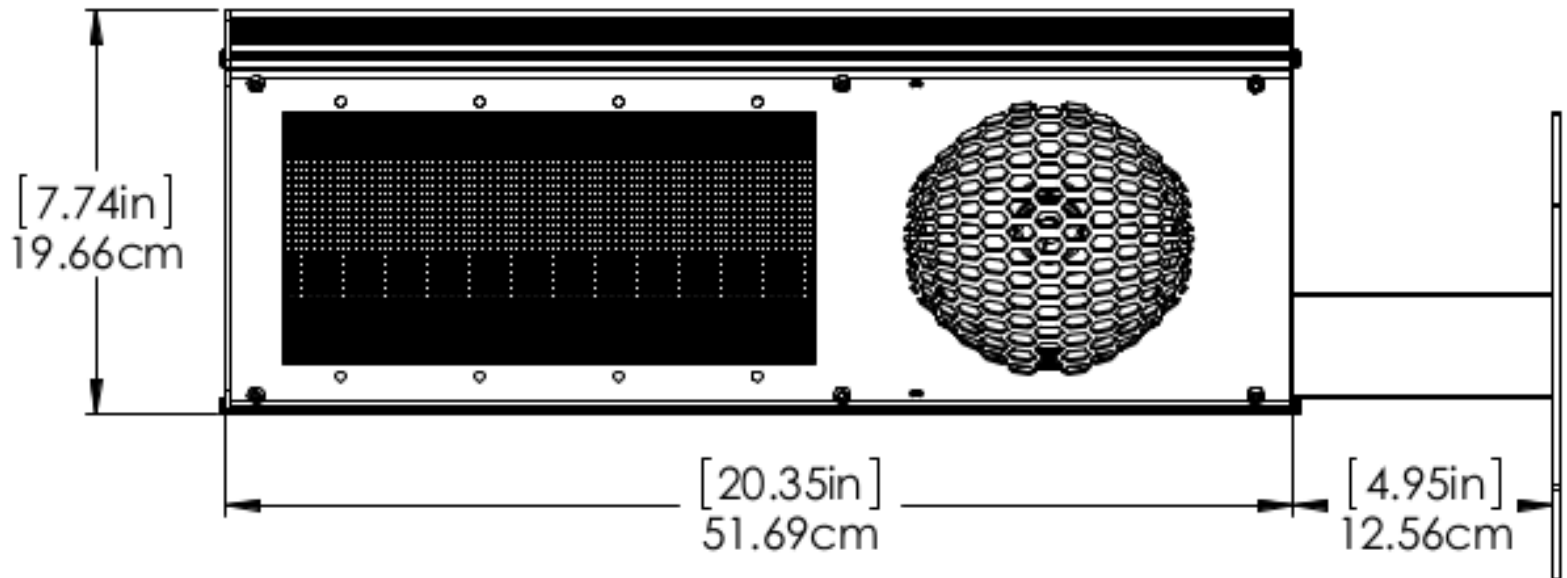
Simple, surface mount wall installation with side access for wiring. Power supplied via Power over Ethernet (PoE) 802.3af. The Wahsega Double Sided IP Display mounts to the surface of a wall, using its included mounting bracket and ½" bolts with the appropriate anchors for your surface material. The Top Mount model mounts to ceiling, with wiring access through included bracket on top of display.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Dimensions

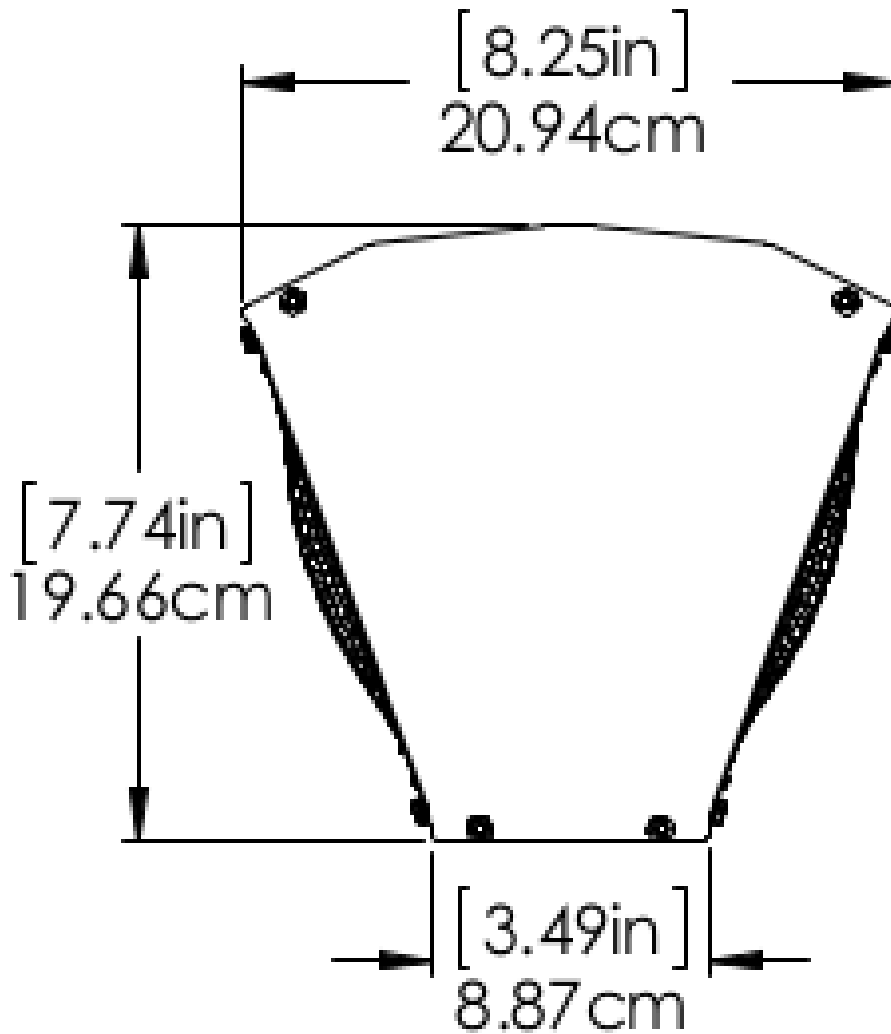
Front View



Job Name: Model Numbers: Date:

Location: Notes:

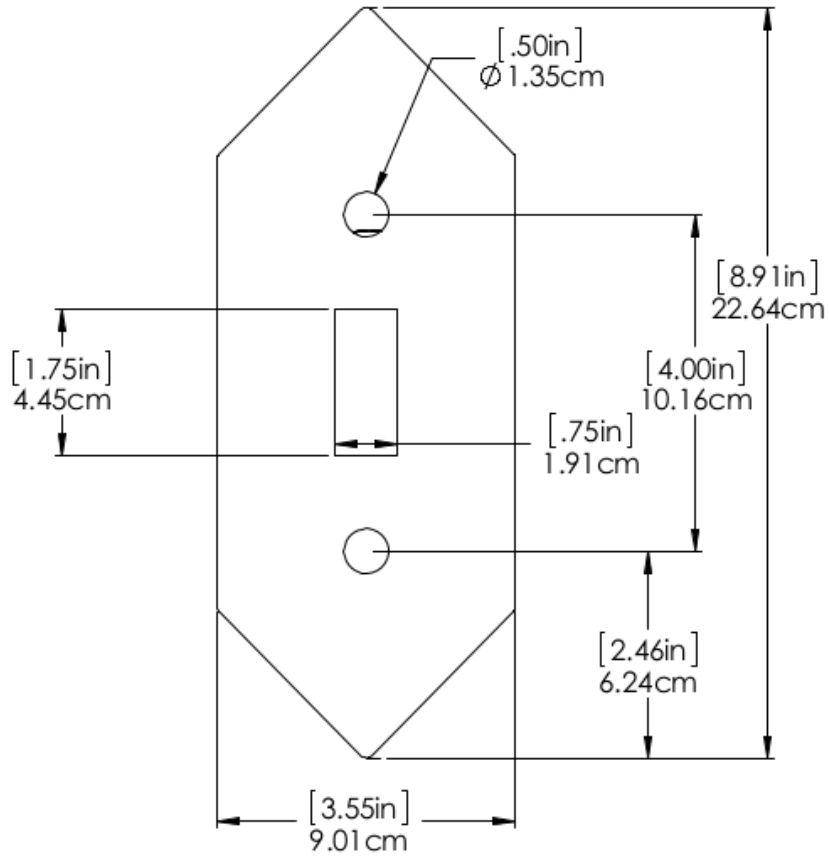
Side View



Job Name: Model Numbers: Date:

Location: Notes:

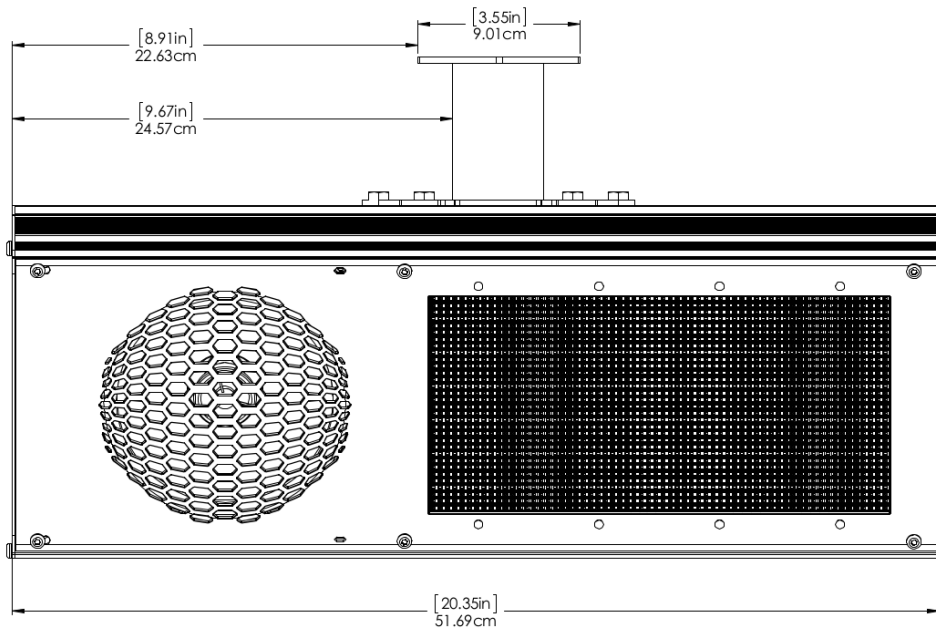
Mounting Bracket



Job Name: Model Numbers: Date:

Location: Notes:

Front View - Top Mount Option



Job Name:

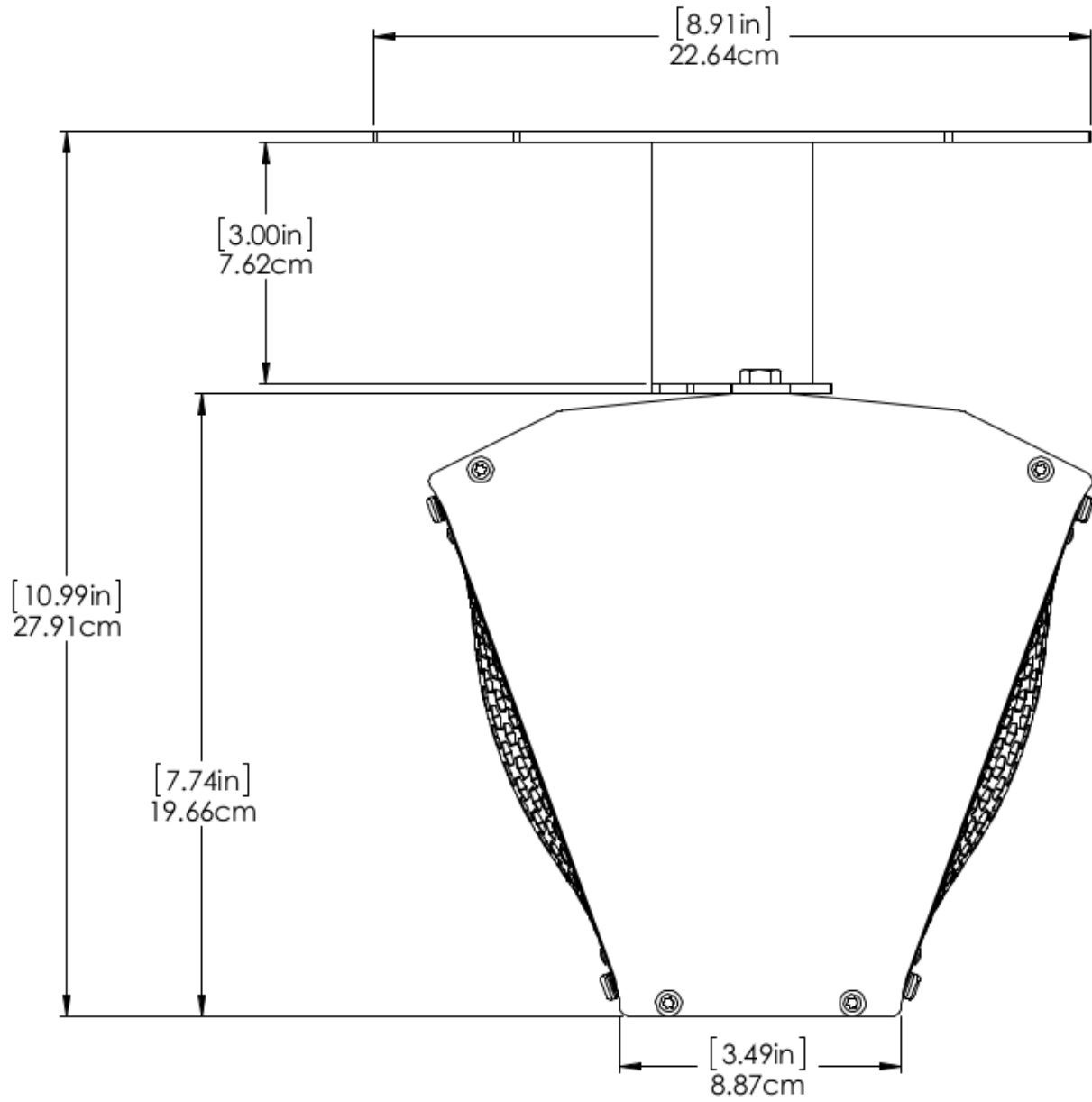
Model Numbers:

Date:

Location:

Notes:

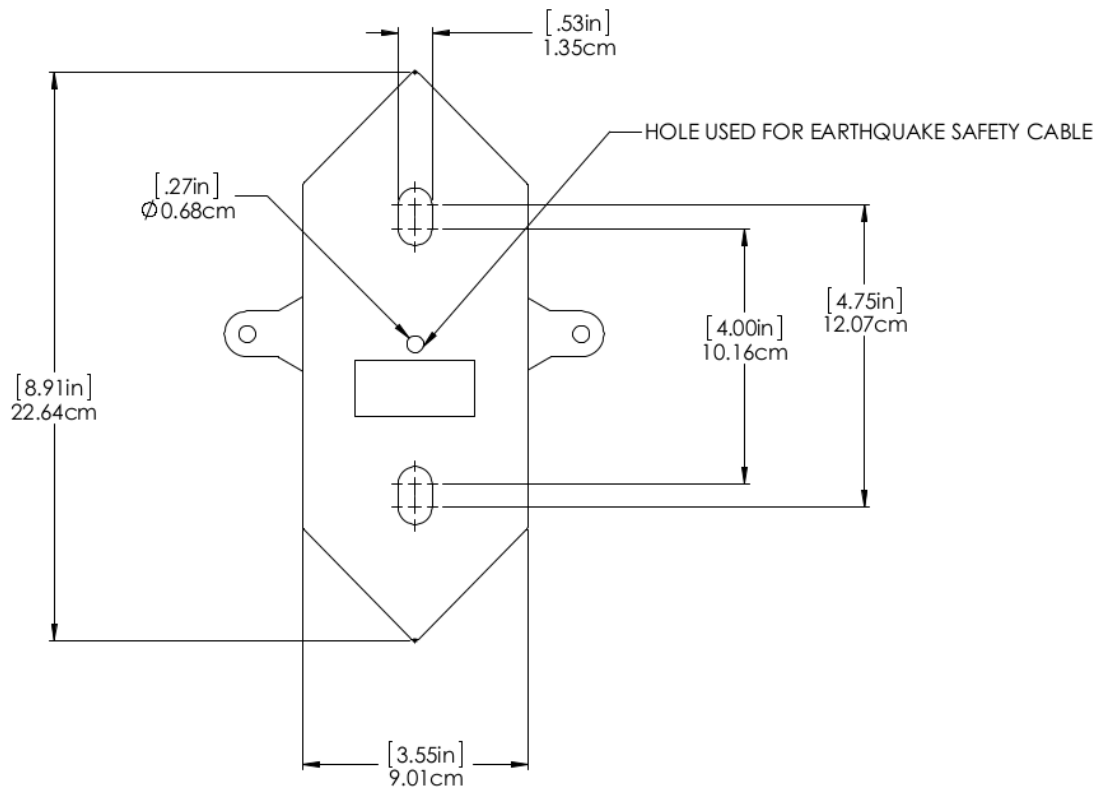
Side View - Top Mount Option



Job Name: Model Numbers: Date:

Location: Notes:

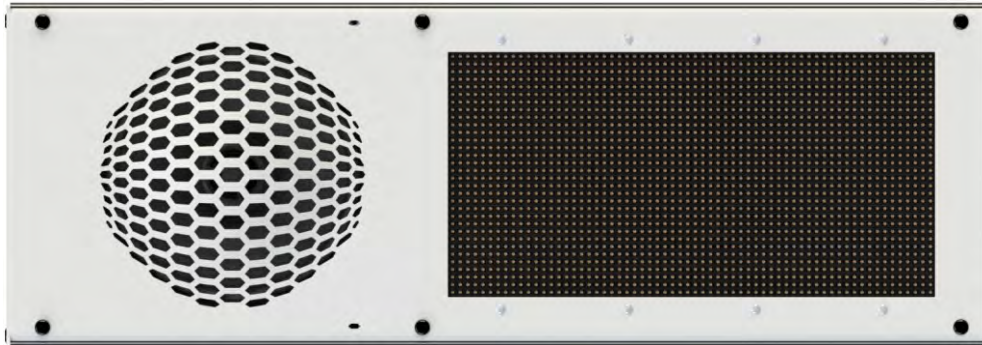
Bracket - Top Mount Option



Job Name: Model Numbers: Date:

Location: Notes:

Small IP Display with InformaCast® and SIP



Description

The Wahsega Small IP Display supports dual registration with InformaCast® and SIP. With network connectivity, scrolling LED display and built-in speaker, the Wahsega IP Display broadcasts both audible and visible messages to classroom occupants. Two integrated relays let building managers remotely lock classroom doors in the case of an emergency. A built-in microphone allows for two-way SIP communication, and time synchronization is handled by a network SNTP Server. The Wahsega IP Display can even power a second, analog Wahsega speaker up to 20 meters away via PoE cable, increasing the audio coverage in the space without requiring an additional cable home run.

Powered via Power over Ethernet (PoE), the IP Display is simple to install and is easily programmed via configuration webpages. The IP Display also works with standard panic buttons to trigger an outbound SIP call. With Wahsega's advanced panic button functionality, a brief button press places a call to one preconfigured number—such as the front office—while a longer press-and-hold will call a second, preconfigured panic number. This feature significantly reduces false alarm panic calls.

The InformaCast system will automatically recognize and register the display's speaker, making programming quick and efficient. Both audible and visual feedback at the display let installers know when their system is up and running. For InformaCast deployments, the IP Display will broadcast text messages created and sent by the InformaCast Server.

With simple installation and advanced functionality, the Wahsega Small IP Display is perfect for any classroom application, large or small.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Dual registration: SIP and InformaCast
- Automatic InformaCast server registration
- PoE 802.3af enabled
- Able to drive second Wahsega analog speaker up to 20m away via Cat5e or Cat6
- Fully configurable via simple webpages
- Multiple audio codecs to choose from
- Simple surface-mount wall installation
- Built-in microphone for two-way communication
- Web-based mic and speaker volume control
- Classroom sound reinforcement audio input wallplate available
- Status feedback
- Two onboard relays for door control
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement wallplate
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- One to three lines of text display
- Time set by network SNTP Server with no manual adjustments necessary
- Receive bell and event schedule alerts from InformaCast or third party
- Display 12- or 24-hour clock with four or six numerals
- Auto-dim feature for energy reduction
- Text display is configurable for scrolling of page by page mode.
- 32,768 LED colors
- 32 x 64 resolution
- Text display up to 5" high

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: <1 Watt
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: G.711, G.726, G.722, G.729, DVI4, Linear PCM, iLBC, Speex, SILK, Opus
- Audio Sampling: CD audio of 44.1kHz for InformaCast® high quality announcements
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: 120° / 4 kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Secondary Speaker Cat5e or Cat6 Cable Length: 20m
- Temperature Range: -40°C to +85°C
- Weight: 7.2lbs
- Overall Dimensions: 20.39" W x 7.1" H x 4.54" D
- LED Panel Dimensions: 5" tall x 10" wide
- Construction: Metal housing with polyester powdercoat paint
- Warranty: 2 years limited

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Model Numbers

WL-IPD-SPKR-510-INF-F

Wahsega Labs	Display	Speaker	Display Height	Display Width	Protocol	Options
WL	IPD	SPKR	5	10	INF	F
Wahsega Labs	IP Display	with Speaker	5 = 5" High Display	10 = 10" Wide Display 20 = 20" Wide Display 30 = 30" Wide Display 40 = 40" Wide Display D = Double Sided	SIP = SIP + Multicast INF = SIP + InformaCast	F = with Flashers C = Ceiling Mount O = Outdoor

Installation

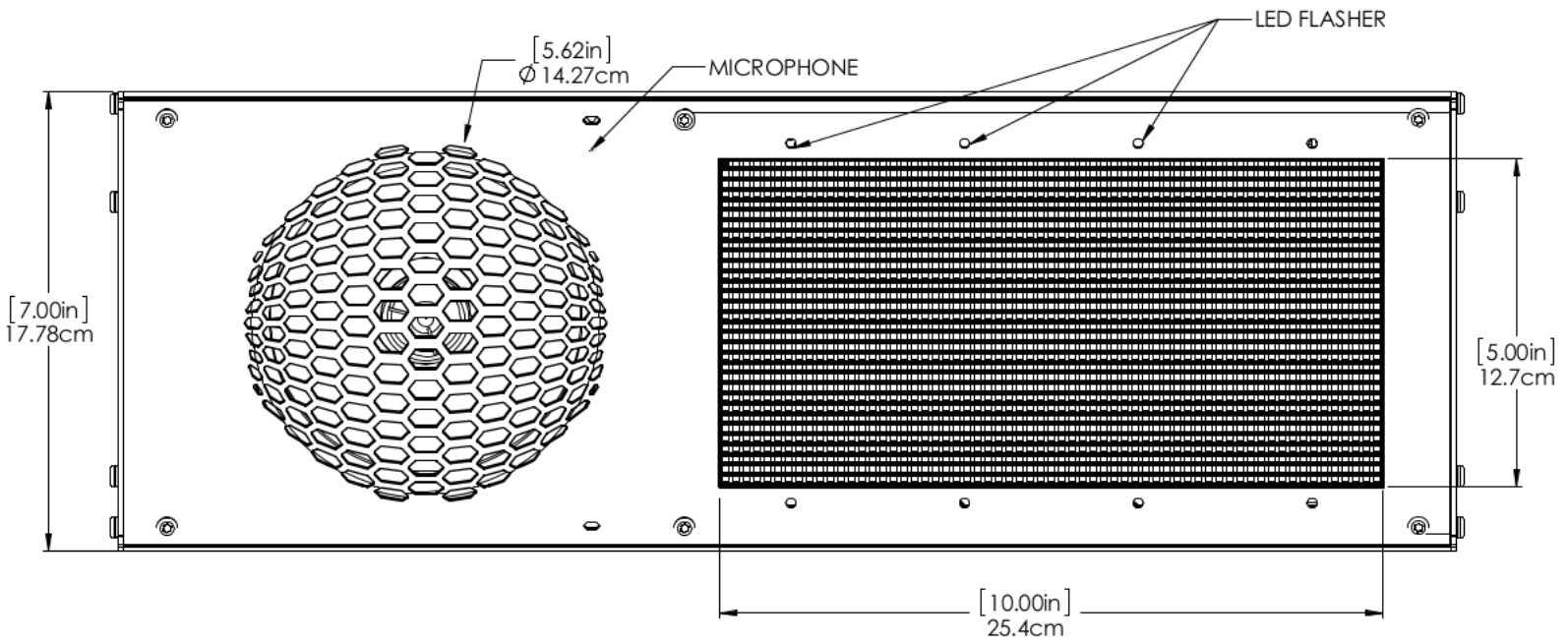
Simple, surface mount wall installation with rear conduit access and side raceway access for wiring. Power supplied via Power over Ethernet (PoE) 802.3af. The Wahsega IP Display can mount to the front a standard 2-gang electrical back box or directly onto the wall, using the appropriate anchors for your surface material. Mounting brackets, screws, washers and lock washers are included.

Job Name:
Model Numbers:
Date:

Location:
Notes:

Dimensions

Front View



Job Name:

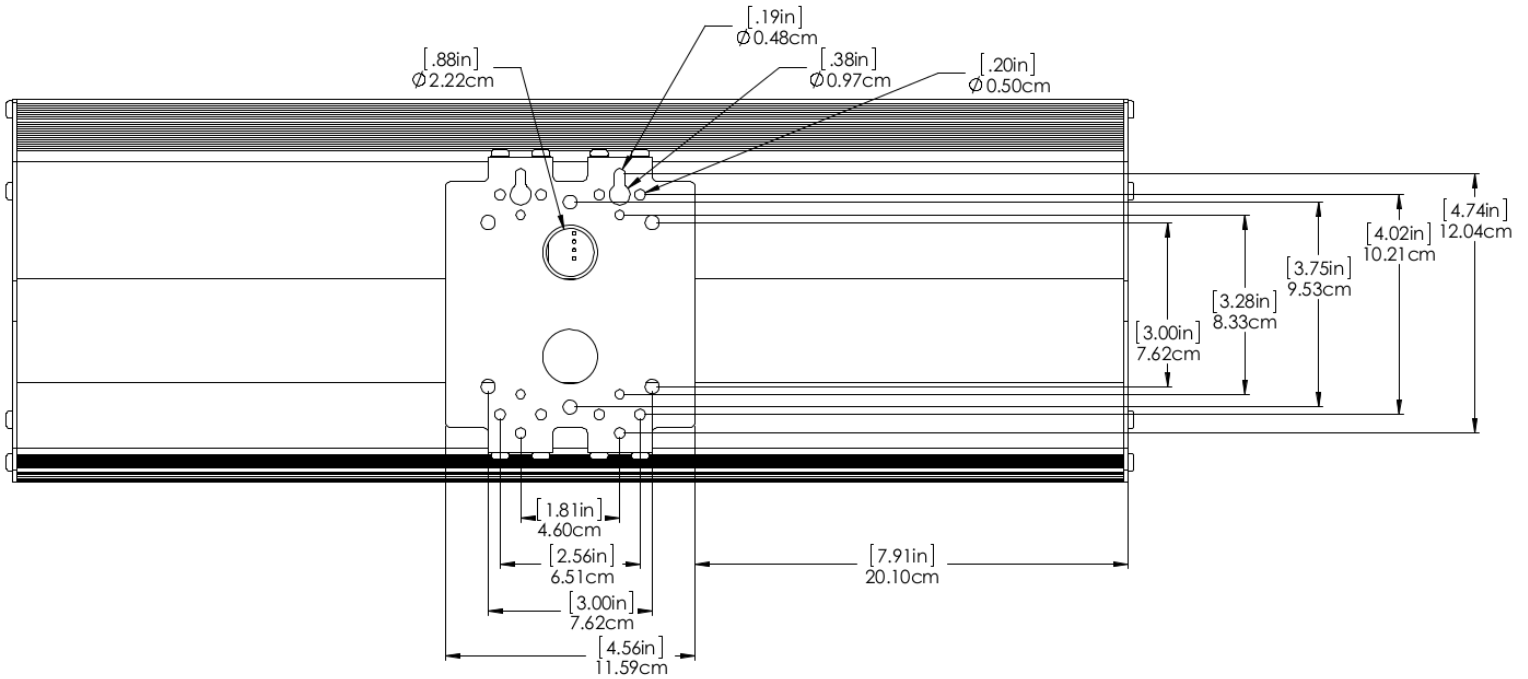
Model Numbers:

Date:

Location:

Notes:

Rear View



Note: Mounting bracket is included, as shown.

Bracket may be used to mount the IP Display to the front of a standard two-gang electrical backbox.

Job Name:

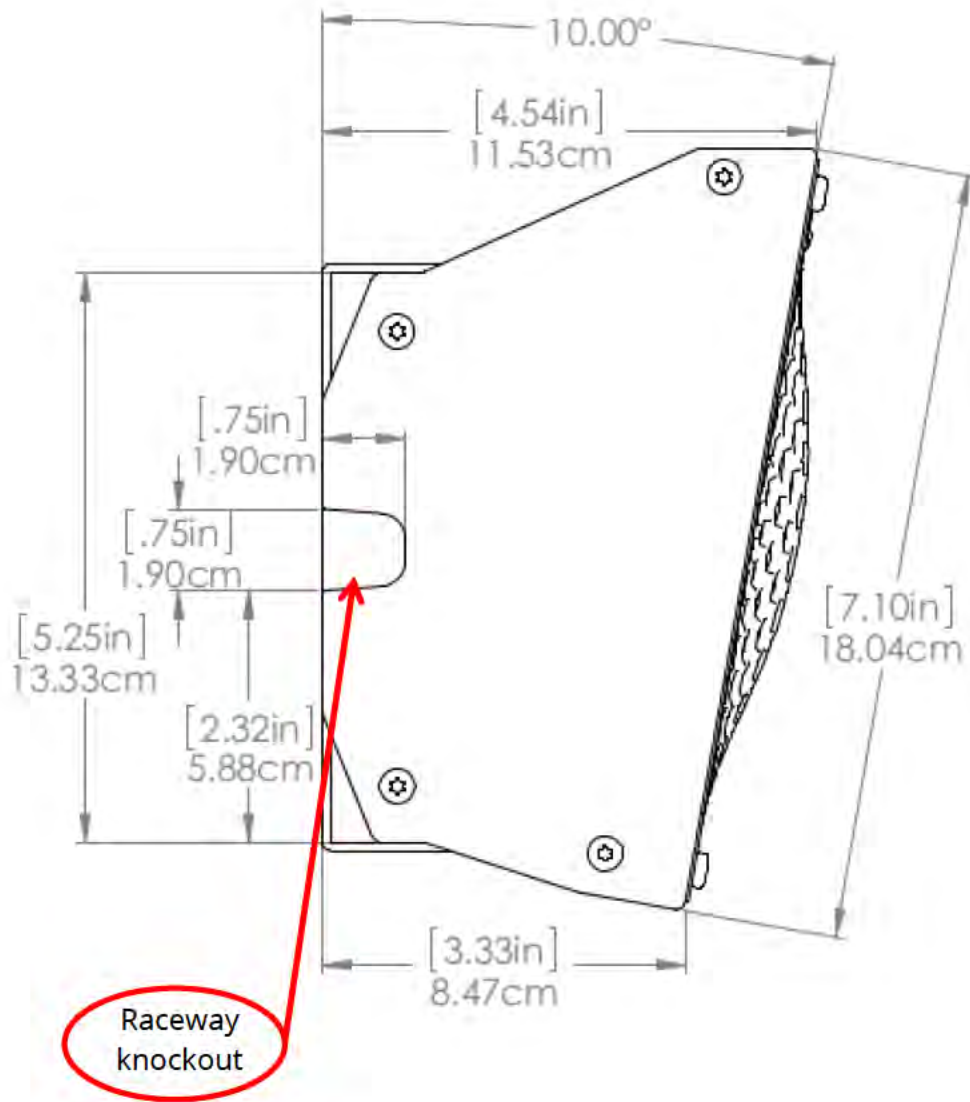
Model Numbers:

Date:

Location:

Notes:

Side View



Job Name: Model Numbers: Date:

Location: Notes:

Carina Large IP Display



Description

Wahsega's Carina line of PoE-enabled IP Displays are automatically discovered by the Carina Event Manager at initialization, and central configuration and global programming options in the Event Manager assure quick system setup.

The Carina Large IP Display displays continuous time and date and also allows critical textual information from Event Manager alerts to be scrolled on the display. The Wahsega Carina Large IP Display has a 20-inch wide LED display which supports over 32,000 colors with an LED resolution that is twice what competing products provide. All text is rendered using vector fonts, allowing for improved readability.

The Carina Large IP Display supports SIP registration for calls as well as multicast for bells, pages or background music from the Event Manager. With network connectivity, scrolling LED display, built-in speaker and multi-color flashers, the Carina Large IP Display broadcasts both audible and visible messages to hallways, classrooms, offices and large rooms.

Two integrated relays let building managers remotely control external devices, which can be activated via SIP call or Event Manager broadcast. A built-in microphone allows for two-way SIP communication, and time synchronization is handled by the Event Manager's SNTP Server.

The Carina Large IP Display can even power a second, extension speaker (WL-SPKR-xx-A) up to 20 meters away via an Ethernet cable, increasing the audio coverage in the space. One Cat5e or Cat6 homerun provides power and data for both speakers.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Auto-discovery with Wahsega's Carina Event Manager
- SIP enabled
- PoE 802.3af enabled
- Able to drive second Wahsega analog speaker $\leq 20\text{m}$ away via Cat5e or Cat6
- Fully configurable via Wahsega Carina Event Manager
- Multiple audio codecs to choose from
- Simple surface-mount wall installation
- Built-in microphone for two-way communication
- Web-based mic and speaker volume control
- Classroom sound reinforcement audio input wallplate available
- Status feedback
- Two onboard relays for door control
- Text display up to 5" high
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement wallplate
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- One to three lines of text display
- Time set by Event Manager Event Manager's NTP Server with no manual adjustments necessary
- Receive scheduled bell and event alerts from Event Manager via RTP multicast
- Display 12- or 24-hour clock with four or six numerals
- Auto-dim feature for energy reduction
- Text display is configurable for scrolling of page by page mode.
- 32,768 LED colors
- 32 x 64 resolution

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: < 2 Watts
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: 16-bit PCM (uncompressed), u-law (G.711u), a-law (G.711a), G.722, G.729
- Audio Sampling: 8 kHz, 16 kHz, or 32 kHz
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: $120^\circ / 4$ kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Secondary Speaker Cat5e or Cat6 Cable Length: 20m
- Temperature Range: -40°C to $+60^\circ\text{C}$
- Weight: 13 lbs
- Overall Dimensions: 30.45" W x 7.00" H x 4.54" D
- LED Panel Dimensions: 5" tall x 20" wide
- Construction: Metal housing with polyester powdercoat paint
- Warranty: 2 years limited

Job Name: Model Numbers: Date:

Location: Notes:

Model Numbers

WL-IPD-SPKR-520-CAR

Wahsega Labs	Display	Speaker	Display Height	Display Width	Protocol
WL	IPD	SPKR	5	20	CAR
Wahsega Labs	IP Display	with Speaker	5 = 5" High Display	10 = 10" Wide Display 20 = 20" Wide Display 40 = 40" Wide Display D = Double Sided (10" only)	CAR = SIP + Carina INF = SIP + InformaCast

Installation

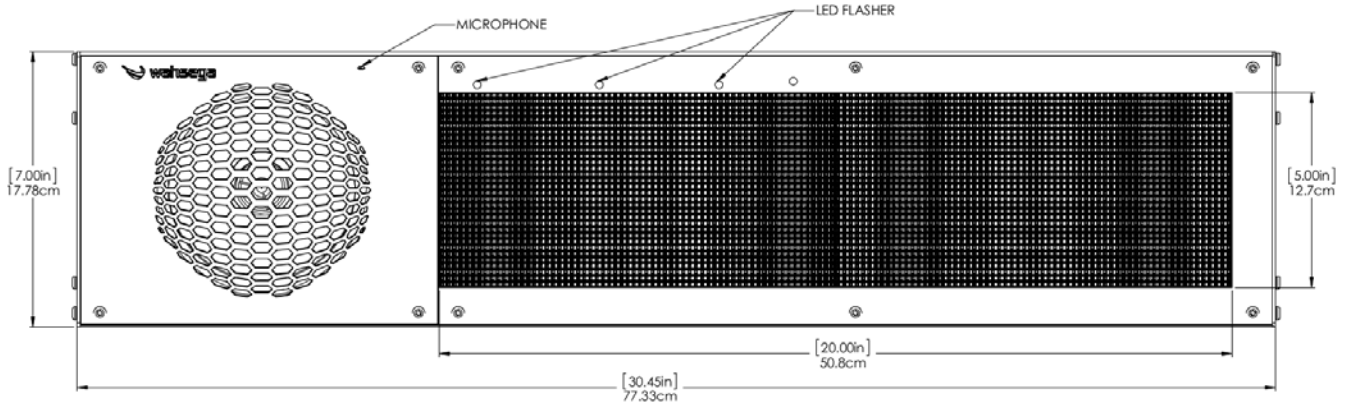
Simple, surface mount wall installation with rear and side access for wiring. Power supplied via Power over Ethernet (PoE) 802.3af. The Wahsega Large IP Display mounts to the front of two (2) single-gang or two-gang electrical backboxes or to the surface of a wall, using its included mounting brackets and the appropriate wall anchors for the mounting surface.

Job Name: **Model Numbers:** **Date:**

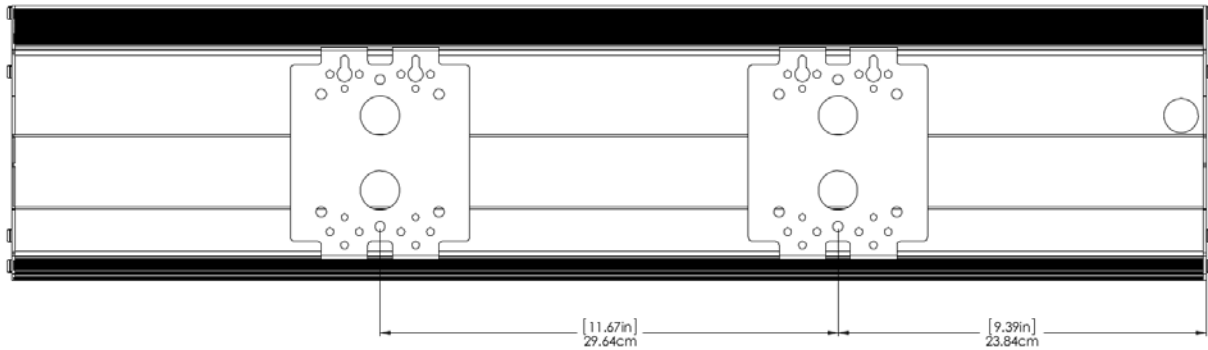
Location: **Notes:**

Dimensions

Front View



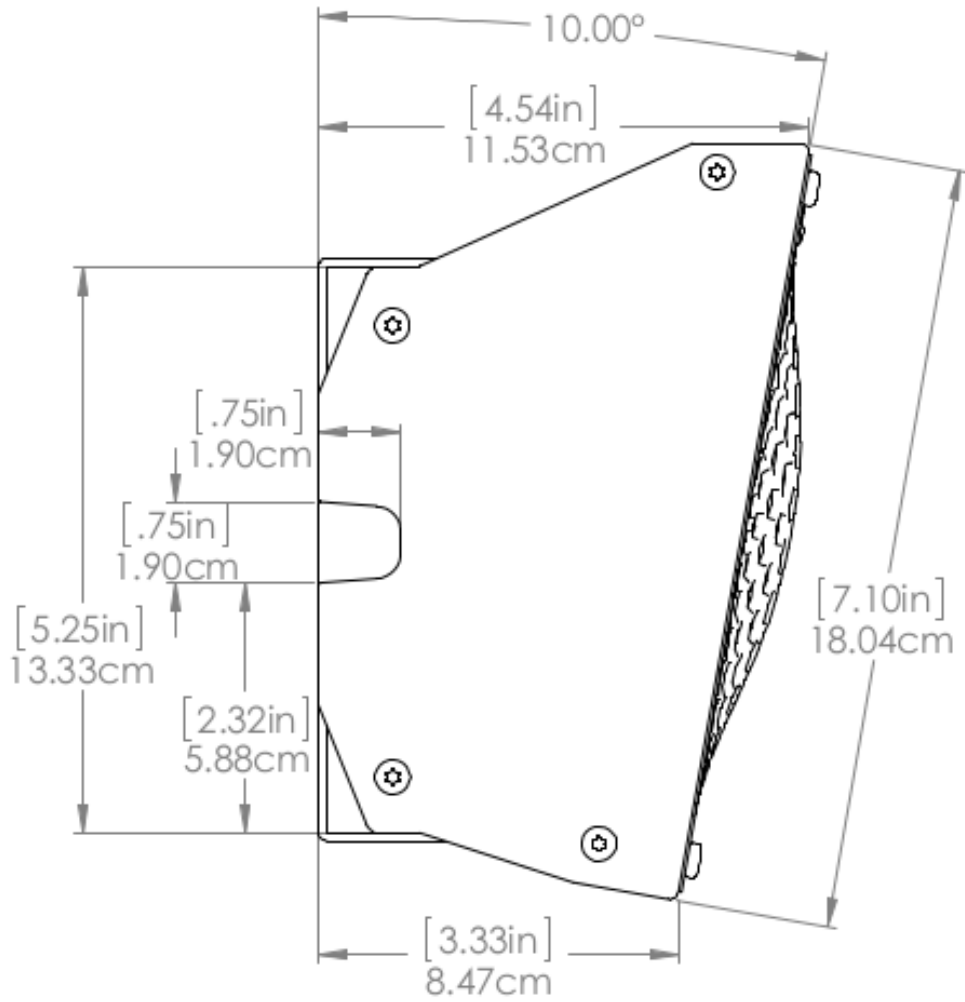
Rear View



Job Name: Model Numbers: Date:

Location: Notes:

Side View



Job Name:

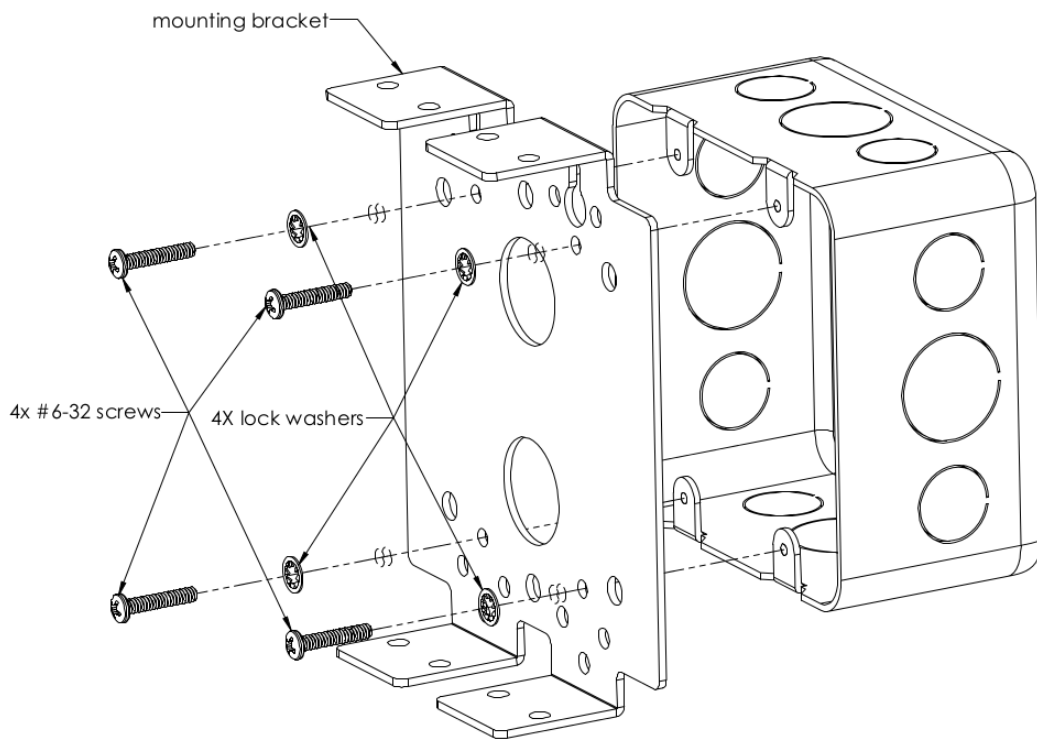
Model Numbers:

Date:

Location:

Notes:

Mounting Bracket



Job Name:

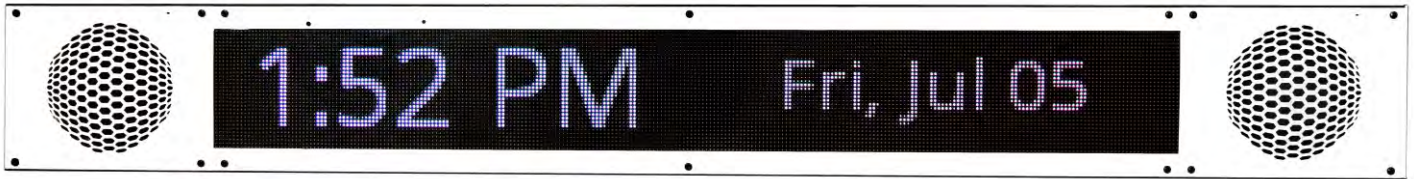
Model Numbers:

Date:

Location:

Notes:

Extra Large IP Signboard with InformaCast® and Flashers



Description

Wahsega's line of PoE-enabled IP Displays enables continuous time and date display and also allows for critical textual information to be scrolled on the display. The Wahsega POE-enabled Extra Large IP Signboard with InformaCast® and Flashers has a 40-inch wide LED display which supports over 32,000 colors with an LED resolution that is twice what competing products provide. All text is rendered using vector fonts, allowing for improved readability.

The Wahsega Extra Large IP Signboard with InformaCast® and Flashers supports dual registration with InformaCast® and SIP as well as multicast for background music. With network connectivity, scrolling LED display, built-in speaker and multi-color flashers, the Wahsega Extra Large IP Signboard with InformaCast® and Flashers broadcasts both audible and visible messages to hallways, classroom, offices and large rooms.

Two integrated relays let building managers remotely control external devices. A built-in microphone allows for two-way SIP communication, and time synchronization is handled by a network SNTP Server.

The Wahsega POE-enabled Extra Large IP Signboard with InformaCast® and Flashers can even power a second, auxiliary speaker up to 20 meters away via an Ethernet cable, increasing the audio coverage in the space.

Job Name: **Model Numbers:** **Date:**

Location: **Notes:**

Features

- Dual registration: SIP and InformaCast
- Automatic InformaCast server registration
- PoE 802.3af enabled
- Able to drive second Wahsega analog speaker $\leq 20\text{m}$ away via Cat5e or Cat6
- Fully configurable via simple webpages
- Multiple audio codecs to choose from
- Simple surface-mount wall installation
- Built-in microphone for two-way communication
- Web-based mic and speaker volume control
- Classroom sound reinforcement audio input wallplate available
- Status feedback
- Two onboard relays for door control
- Text display up to 5" high
- RJ45 connections for simplified installation of second speaker and remote sound reinforcement wallplate
- Compatible with standard panic buttons
- Advanced panic button functionality to reduce false alarm triggers
- One to three lines of text display
- Time set by network SNTP Server with no manual adjustments necessary
- Receive bell and event schedule alerts from InformaCast or third party
- Display 12- or 24-hour clock with four or six numerals
- Auto-dim feature for energy reduction
- Text display is configurable for scrolling of page by page mode.
- 32,768 LED colors
- 32 x 64 resolution

Specifications

- Ethernet: 10/100 Mbps
- Power Input: PoE 802.3af
- Standby power: < 1 Watt
- Protocol: SIP RFC 3261 compatible
- Audio Codecs: G.711, G.726, G.722, G.729, DVI4, Linear PCM, iLBC, Speex, SILK, Opus
- Audio Sampling: CD audio of 44.1kHz for InformaCast® high quality announcements
- Speaker Drive Capabilities: 8W (5W per speaker when driving two speakers)
- Speaker Impedance: 8Ω
- Speaker Sensitivity: 96dB 1W/0.5M SPL
- Coverage Angle: $120^\circ / 4$ kHz
- Dry Contact Relay Rating: 2A min, 250V AC, 24V DC
- Max PoE Cable Length: 100m (per standard) PoE 10/100 cable length
- Max Secondary Speaker Cat5e or Cat6 Cable Length: 20m
- Temperature Range: -40°C to $+85^\circ\text{C}$
- Weight: 24.5 lbs
- Overall Dimensions: 58.64" W x 7.00" H x 4.54" D
- LED Panel Dimensions: 5" tall x 40" wide
- Construction: Metal housing with polyester powdercoat paint
- Warranty: 2 years limited

Job Name: Model Numbers: Date:

Location: Notes:

Model Numbers

WL-IPD-SPKR-540-INF-F

Wahsega Labs	Display	Speaker	Display Height	Display Width	Protocol	Options
WL	IPD	SPKR	5	40	INF	F
Wahsega Labs	IP Display	with Speaker	5 = 5" High Display	10 = 10" Wide Display 20 = 20" Wide Display 30 = 30" Wide Display 40 = 40" Wide Display D = Double Sided	SIP = SIP + Multicast INF = SIP + InformaCast	F = with Flashers C = Ceiling Mount O = Outdoor

Installation

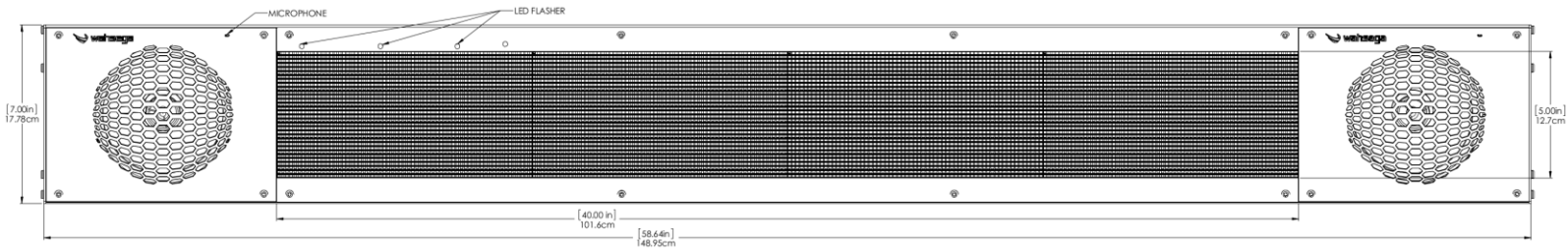
Simple, surface mount wall installation with rear and side access for wiring. Power supplied via Power over Ethernet (PoE) 802.3af. The Wahsega Extra Large IP Signboard with InformaCast and Flashers mounts to the front of four (4) single-gang or two-gang electrical backboxes or to the surface of a wall, using its included mounting brackets and the appropriate wall anchors for the mounting surface.

Job Name:
Model Numbers:
Date:

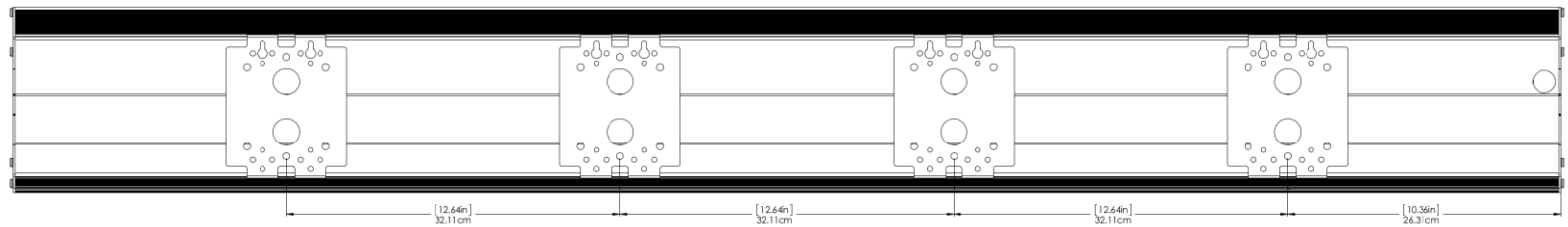
Location:
Notes:

Dimensions

Front View



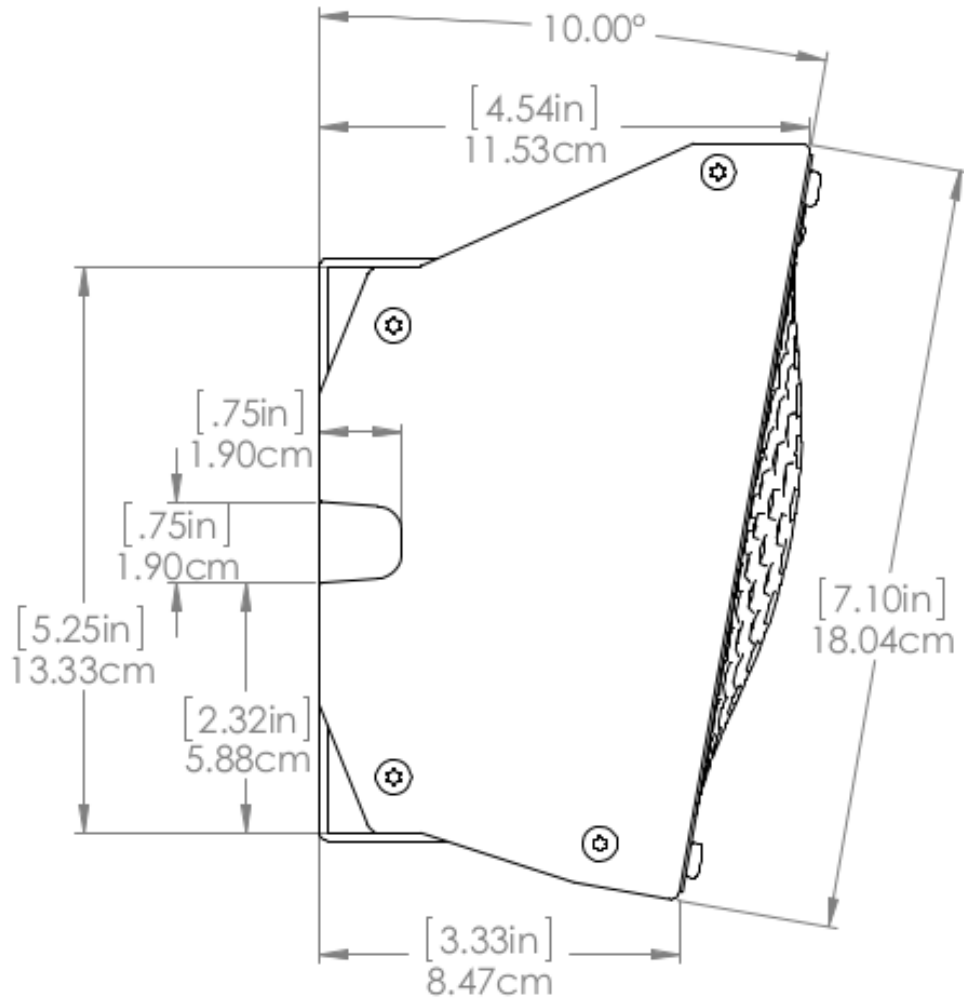
Rear View



Job Name: Model Numbers: Date:

Location: Notes:

Side View



Job Name:

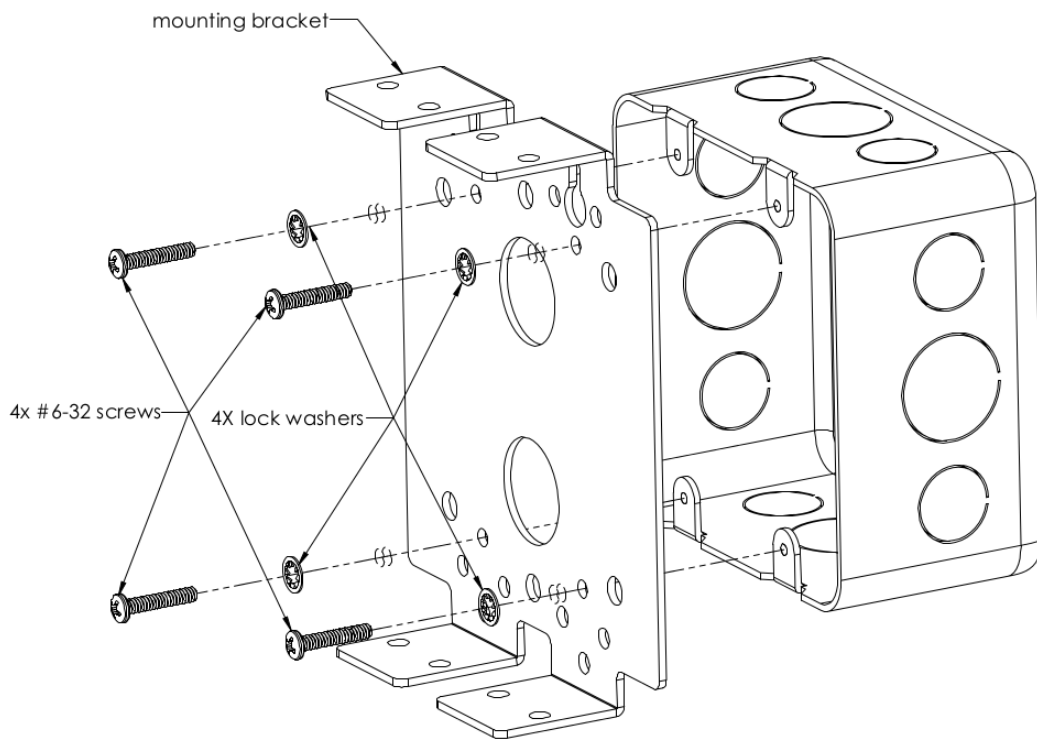
Model Numbers:

Date:

Location:

Notes:

Mounting Bracket



Job Name:

Model Numbers:

Date:

Location:

Notes:

Limited Warranty

Wahsega Labs ("Wahsega") provides the following limited warranty. This limited warranty extends only to the original purchaser from Wahsega's distributor or/and or reseller ("Customer").

Wahsega warrants its products and parts against defects in materials or workmanship for a period of two years (2) from the Customer's original purchase date from Wahsega's distributor and/or reseller ("Warranty Period"). The limited warranty is that Wahsega will repair or replace defective parts with new or reconditioned parts at Wahsega's option, without charge to the Customer during the Warranty Period.

Shipping fees incurred from returns for under-warranty service during the first thirty (30) days of the Warranty Period will be paid by Wahsega within the continental United States. All shipping fees both to and from Wahsega following the expiration of the first thirty (30) days of the Warranty Period must be paid by the Customer. All returns, both during and following the 30-day period, must be affected via the Procedures for Obtaining Warranty Service described below.

With respect to non-Continental United States ("international") return, credit, warranty or return manufacturer authorization claim submitted by Customer (collectively, "RMAs,") Wahsega may decide, at its discretion, to offer a credit memo to the Customer instead of servicing the defective products.

All original parts (parts installed by Wahsega at the original system build) replaced by Wahsega or its authorized service center, become the property of Wahsega. Any after-market additions or modifications are NOT warranted.

Wahsega makes no other warranty, either express or implied, including but not limited to implied warranties of merchantability, fitness for a particular purpose, or conformity to any representation or description, with respect to its products other than as set forth below. Wahsega makes no warranty or representation, either expressed or implied, with respect to any other manufacturer's product or documentation, its quality, performance, merchantability, fitness for a particular purpose, or conformity to any representation or description.

Except as provided below, Wahsega is not liable for any loss, cost, expense, inconvenience or damage that may result from use or inability to use its products. Under no circumstances shall Wahsega be liable for any loss, cost, expense, inconvenience or damage exceeding the purchase price of its products.

The warranty and remedies set forth below are exclusive and in lieu of all others, oral or written, expressed or implied. No reseller, agent or employee is authorized to make any modification, extension or addition to this warranty.

Warranty Conditions

The above Limited Warranty is subject to the following conditions:

1. This warranty extends only to products manufactured by Wahsega and sold to the Customer by Wahsega's distributor and/or reseller.
2. This warranty covers only normal use of the products. Wahsega shall not be liable under this warranty if any damage or defect results from (i) misuse, abuse, neglect, improper shipping or installation; (ii) disasters such as fire, flood, lightning or improper electric current; or (iii) service or alteration by anyone other than an authorized Wahsega representative;
3. Customers must retain the bill of sale or other proof of purchase to receive warranty service.
4. No warranty extension will be granted for any replacement part(s) furnished to the purchaser in fulfillment of this warranty.
5. Neither Wahsega nor its authorized representatives accepts any responsibility for any software programs, data or information stored on any media or any parts of any products returned for repair to Wahsega.

6. Thirty-day return Window does not include opened enclosures, parts, special order merchandise and shipping and handling fees.

Return of Non-Defective Products

A non-defective, unopened product may be returned to Wahsega within ninety (90) days of the original purchase date by a Customer from Wahsega's distributor and/or reseller for a refund of the original purchase price with the following amendments/fees:

1. Wahsega will refund neither the original shipping cost nor the shipping and handling fees incurred from the products return.
2. No refund will be granted for products that have been opened, used, or tampered with in any way. Wahsega maintains full discretion in decisions regarding a product's fitness for return as a non-defective product.
3. Any non-defective returns are subject to a 25% restocking fee, which percentage is taken from the final re-purchase price, paid by Wahsega, less any applicable shipping or handling charges.

To return a defective product, please contact our Customer Service Department for a Return Merchandise Authorization (RMA) number and follow the Return of Products Instructions below. The RMA is valid for 10 days from date of issuance. **Returns will not be accepted without an RMA number.**

Procedures for Obtaining Warranty Service

RMA (Returning Warrantied Merchandise Authorization) Policy:

If repairs are required, the Customer must obtain a RMA number from Wahsega by email and provide proof of purchase as the Customer. RMA and services are rendered by Wahsega only. Please follow the instructions given by Wahsega technical support staff regarding packaging and shipping the warranted merchandise to Wahsega. All returned warrantied merchandise parts must have a RMA number written clearly on the outside of the package sent to Wahsega, along with a letter detailing the problems and a copy of the original proof of purchase. No COD packages will be accepted. No package will be accepted without a RMA number written on the outside of the package. RMA numbers are only valid for 30 days from the date of issue by Wahsega.

Wahsega RMA Service Center

RMA# _____

***5185 Shiloh Road
Cumming, GA 30040***

WARRANTY EXCLUSIONS/DISCLAIMER

Wahsega accepts no liability for problems caused by after-market software or hardware modifications or additions. **Wahsega** is not responsible for giving any technical support concerning the installation or integration of any software or hardware the Customer did not pay **Wahsega** to install. **Wahsega** is not responsible for loss of data or time, even with hardware failure. Customers are responsible for backing up any data for their own protection. **Wahsega** is not responsible for any loss of work ("down time") caused by a product requiring service. This warranty is null and void if the defect or malfunction was due to damage resulting from operation not within Wahsega's specifications. It will also be null and void if there are indications of misuse and/or abuse. **Wahsega** has the option of voiding the warranty if any one other than a **Wahsega** technician attempts to service the product. **Wahsega** does not warrant any problems arising from an act of God (lighting, flooding, tornado, etc.), electrical spikes or surges, or problems arising out of hardware, software, or additional devices added to complement any system/component bought at **Wahsega**. Under no circumstances will Wahsega be responsible for any refund or remuneration exceeding the original purchase price of the product less any shipping fees. **Wahsega** will not be held responsible for typographical errors on sales receipts, repair tickets, or on our website. Wahsega makes every effort to make sure all information on our website is correct.

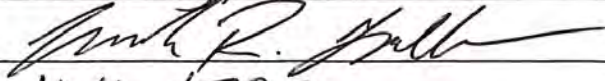
Tab 9 – Required Documents

- ◆ Clean Air and Water Act / Debarment Notice
- ◆ Contractors Requirements
- ◆ Antitrust Certification Statements
- ◆ Required Clauses for Federal Funds Certifications
- ◆ Required Clauses for Federal Assistance by FTA
- ◆ State Notice Addendum

Clean Air and Water Act & Debarment Notice

I, the Vendor, am in compliance with all applicable standards, orders or regulations issued pursuant to the Clean Air Act of 1970, as Amended (42 U.S. C. 1857 (h), Section 508 of the Clean Water Act, as amended (33 U.S.C. 1368), Executive Order 117389 and Environmental Protection Agency Regulation, 40 CFR Part 15 as required under OMB Circular A-102, Attachment O, Paragraph 14 (1) regarding reporting violations to the grantor agency and to the United States Environment Protection Agency Assistant Administrator for the Enforcement.

I hereby further certify that my company has not been debarred, suspended or otherwise ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension", as described in the Federal Register and Rules and Regulations

Potential Vendor	Wahsega Labs, LLC
Print Name	Joseph R. Gullo
Address	5185 Shiloh Road
City, State, Zip	Cumming, GA 30040
Authorized signature	
Date	11/10/2020

Contractor Requirements

Contractor Certification Contractor's Employment Eligibility

By entering the contract, Contractor warrants compliance with the Federal Immigration and Nationality Act (FINA), and all other federal and state immigration laws and regulations. The Contractor further warrants that it is in compliance with the various state statutes of the states it is will operate this contract in.

Participating Government Entities including School Districts may request verification of compliance from any Contractor or subcontractor performing work under this Contract. These Entities reserve the right to confirm compliance in accordance with applicable laws.

Should the Participating Entities suspect or find that the Contractor or any of its subcontractors are not in compliance, they may pursue any and all remedies allowed by law, including, but not limited to: suspension of work, termination of the Contract for default, and suspension and/or debarment of the Contractor. All costs necessary to verify compliance are the responsibility of the Contractor.

The offeror complies and maintains compliance with the appropriate statutes which requires compliance with federal immigration laws by State employers, State contractors and State subcontractors in accordance with the E-Verify Employee Eligibility Verification Program.

Contractor shall comply with governing board policy of the NCPA Participating entities in which work is being performed **Fingerprint & Background Checks**

If required to provide services on school district property at least five (5) times during a month, contractor shall submit a full set of fingerprints to the school district if requested of each person or employee who may provide such service. Alternately, the school district may fingerprint those persons or employees. An exception to this requirement may be made as authorized in Governing Board policy. The district shall conduct a fingerprint check in accordance with the appropriate state and federal laws of all contractors, subcontractors or vendors and their employees for which fingerprints are submitted to the district. Contractor, subcontractors, vendors and their employees shall not provide services on school district properties until authorized by the District.

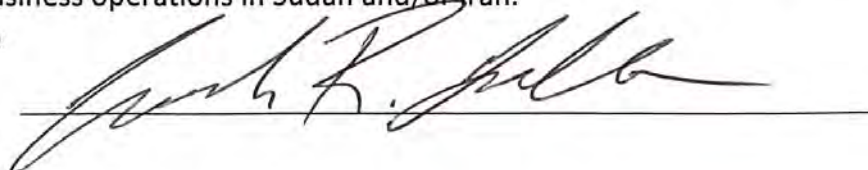
The offeror shall comply with fingerprinting requirements in accordance with appropriate statutes in the state in which the work is being performed unless otherwise exempted.

Contractor shall comply with governing board policy in the school district or Participating Entity in which work is being performed

Business Operations in Sudan, Iran

In accordance with A.R.S. 35-391 and A.R.S. 35-393, the Contractor hereby certifies that the contractor does not have scrutinized business operations in Sudan and/or Iran.

Authorized signature

A handwritten signature in black ink, appearing to read "Joseph R. [unclear]", is written over a horizontal line.

Date

11/10/2020

Antitrust Certification Statements (Tex. Government Code § 2155.005)

I affirm under penalty of perjury of the laws of the State of Texas that:

- (1) I am duly authorized to execute this contract on my own behalf or on behalf of the company, corporation, firm, partnership or individual (Company) listed below;
- (2) In connection with this bid, neither I nor any representative of the Company has violated any provision of the Texas Free Enterprise and Antitrust Act, Tex. Bus. & Comm. Code Chapter 15;
- (3) In connection with this bid, neither I nor any representative of the Company has violated any federal antitrust law; and
- (4) Neither I nor any representative of the Company has directly or indirectly communicated any of the contents of this bid to a competitor of the Company or any other company, corporation, firm, partnership or individual engaged in the same line of business as the Company.

Company name

Wahsega Labs, LLC

Address

5185 Shiloh Road

City/State/Zip

Cumming, GA 30040

Telephone No.

888-509-2379

Fax No.

—

Email address

Joe@wahsega.com

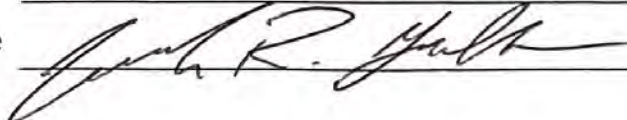
Printed name

Joseph R. Gullo

Position with company

VP of Sales

Authorized signature



Required Clauses for Federal Funds Certifications

Participating Agencies may elect to use federal funds to purchase under the Master Agreement. The following certifications and provisions may be required and apply when a Participating Agency expends federal funds for any purchase resulting from this procurement process. Pursuant to 2 C.F.R. § 200.326, all contracts, including small purchases, awarded by the Participating Agency and the Participating Agency's subcontractors shall contain the procurement provisions of Appendix II to Part 200, as applicable.

APPENDIX II TO 2 CFR PART 200

(A) Contracts for more than the simplified acquisition threshold currently set at \$150,000, which is the inflation adjusted amount determined by the Civilian Agency Acquisition Council and the Defense Acquisition Regulations Council (Councils) as authorized by 41 U.S.C. 1908, must address administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as appropriate.

(B) Termination for cause and for convenience by the grantee or subgrantee including the manner by which it will be effected and the basis for settlement. (All contracts in excess of \$10,000)

(C) Equal Employment Opportunity. Except as otherwise provided under 41 CFR Part 60, all contracts that meet the definition of "federally assisted construction contract" in 41 CFR Part 60-1.3 must include the equal opportunity clause provided under 41 CFR 60-1.4(b), in accordance with Executive Order 11246, "Equal Employment Opportunity" (30 CFR 12319, 12935, 3 CFR Part, 1964-1965 Comp., p. 339), as amended by Executive Order 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," and implementing regulations at 41 CFR part 60, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor."

Pursuant to Federal Rule (C) above, when a Participating Agency expends federal funds on any federally assisted construction contract, the equal opportunity clause is incorporated by reference herein.

(D) Davis-Bacon Act, as amended (40 U.S.C. 3141-3148). When required by Federal program legislation, all prime construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29 CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally

Financed and Assisted Construction"). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision

for compliance with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

(E) Contract Work Hours and Safety Standards Act (40 U.S.C. 3701-3708). Where applicable, all contracts awarded by the non-Federal entity in excess of \$100,000 that involve the employment of mechanics or laborers must include a provision for compliance with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5).

Under 40 U.S.C. 3702 of the Act, each contractor must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

(F) Rights to Inventions Made Under a Contract or Agreement. If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the recipient or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the recipient or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

(G) Clean Air Act (42 U.S.C. 7401-7671q.) and the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), as amended— Contracts and subgrants of amounts in excess of \$150,000 must contain a provision that requires the non-Federal award to agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401- 7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251- 1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

(H) Debarment and Suspension (Executive Orders 12549 and 12689)—A contract award (see 2 CFR 180.220) must not be made to parties listed on the government wide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), "Debarment and Suspension." SAM

Exclusions contains the names of parties debarred, suspended, or otherwise excluded by agencies, as well as parties declared ineligible under statutory or regulatory authority other than Executive Order 12549.

(I) Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)—Contractors that apply or bid for an award exceeding \$100,000 must file the required certification. Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee

of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier must also disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award. Such disclosures are forwarded from tier to tier up to the non-Federal award.

RECORD RETENTION REQUIREMENTS FOR CONTRACTS INVOLVING FEDERAL FUNDS

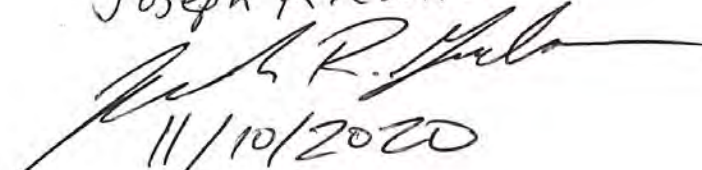
When federal funds are expended by Participating Agency for any contract resulting from this procurement process, offeror certifies that it will comply with the record retention requirements detailed in 2 CFR § 200.333. The offeror further certifies that offeror will retain all records as required by 2 CFR § 200.333 for a period of three years after grantees or subgrantees submit final expenditure reports or quarterly or annual financial reports, as applicable, and all other pending matters are closed.

CERTIFICATION OF COMPLIANCE WITH THE ENERGY POLICY AND CONSERVATION ACT

When Participating Agency expends federal funds for any contract resulting from this procurement process, offeror certifies that it will comply with the mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act (42 U.S.C. 6321 et seq.; 49 C.F.R. Part 18).

CERTIFICATION OF COMPLIANCE WITH BUY AMERICA PROVISIONS

To the extent purchases are made with Federal Highway Administration, Federal Railroad Administration, or Federal Transit Administration funds, offeror certifies that its products comply with all applicable provisions of the Buy America Act and agrees to provide such certification or applicable waiver with respect to specific products to any Participating Agency upon request. Purchases made in accordance with the Buy America Act must still follow the applicable procurement rules calling for free and open competition.

Waukegan Labs, LLC
Joseph R. Gaulto

11/10/2020

Required Clauses for Federal Assistance provided by FTA

ACCESS TO RECORDS AND REPORTS

Contractor agrees to:

- a) Maintain all books, records, accounts and reports required under this Contract for a period of not less than three (3) years after the date of termination or expiration of this Contract or any extensions thereof except in the event of litigation or settlement of claims arising from the performance of this Contract, in which case Contractor agrees to maintain same until Public Agency, the FTA Administrator, the Comptroller General, or any of their duly authorized representatives, have disposed of all such litigation, appeals, claims or exceptions related thereto.
- b) Permit any of the foregoing parties to inspect all work, materials, payrolls, and other data and records with regard to the Project, and to audit the books, records, and accounts with regard to the Project and to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed for the purpose of audit and examination.

FTA does not require the inclusion of these requirements of Article 1.01 in subcontracts. Reference 49 CFR 18.39 (i)(11).

CIVIL RIGHTS / TITLE VI REQUIREMENTS

- 1) Non-discrimination. In accordance with Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000d, Section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, Section 202 of the Americans with Disabilities Act of 1990, as amended, 42 U.S.C. § 12132, and Federal Transit Law at 49 U.S.C. § 5332, Contractor or subcontractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, marital status age, or disability. In addition, Contractor agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.
- 2) Equal Employment Opportunity. The following Equal Employment Opportunity requirements apply to this Contract:
 - a. Race, Color, Creed, National Origin, Sex. In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, and Federal Transit Law at 49 U.S.C. § 5332, the Contractor agrees to comply with all applicable Equal Employment Opportunity requirements of U.S. Dept. of Labor regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor, 41 CFR, Parts 60 et seq., and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of this Project. Contractor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, marital status, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, Contractor agrees to comply with any implementing requirements FTA may issue.

- b. Age. In accordance with the Age Discrimination in Employment Act (ADEA) of 1967, as amended, 29 U.S.C. Sections 621 through 634, and Equal Employment Opportunity Commission (EEOC) implementing regulations, "Age Discrimination in Employment Act", 29 CFR Part 1625, prohibit employment discrimination by Contractor against individuals on the basis of age, including present and prospective

employees. In addition, Contractor agrees to comply with any implementing requirements FTA may issue.

- c. Disabilities. In accordance with Section 102 of the Americans with Disabilities Act of 1990, as amended (ADA), 42 U.S.C. Sections 12101 *et seq.*, prohibits discrimination against qualified individuals with disabilities in programs, activities, and services, and imposes specific requirements on public and private entities. Contractor agrees that it will comply with the requirements of the Equal Employment Opportunity Commission (EEOC), "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act," 29 CFR, Part 1630, pertaining to employment of persons with disabilities and with their responsibilities under Titles I through V of the ADA in employment, public services, public accommodations, telecommunications, and other provisions.
 - d. Segregated Facilities. Contractor certifies that their company does not and will not maintain or provide for their employees any segregated facilities at any of their establishments, and that they do not and will not permit their employees to perform their services at any location under the Contractor's control where segregated facilities are maintained. As used in this certification the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion or national origin because of habit, local custom, or otherwise. Contractor agrees that a breach of this certification will be a violation of this Civil Rights clause.
- 3) Solicitations for Subcontracts, Including Procurements of Materials and Equipment. In all solicitations, either by competitive bidding or negotiation, made by Contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by Contractor of Contractor's obligations under this Contract and the regulations relative to non-discrimination on the grounds of race, color, creed, sex, disability, age or national origin.
 - 4) Sanctions of Non-Compliance. In the event of Contractor's non-compliance with the non-discrimination provisions of this Contract, Public Agency shall impose such Contract sanctions as it or the FTA may determine to be appropriate, including, but not limited to: 1) Withholding of payments to Contractor under the Contract until Contractor complies, and/or; 2) Cancellation, termination or suspension of the Contract, in whole or in part.

Contractor agrees to include the requirements of this clause in each subcontract financed in whole or in part with Federal assistance provided by FTA, modified only if necessary to identify the affected parties.

DISADVANTAGED BUSINESS PARTICIPATION

This Contract is subject to the requirements of Title 49, Code of Federal Regulations, Part 26, "*Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs*", therefore, it is the policy of the Department of Transportation (DOT) to ensure that Disadvantaged Business Enterprises (DBEs), as defined in 49 CFR Part 26, have an equal opportunity to receive and participate in the performance of DOT-assisted contracts.

- 1) Non-Discrimination Assurances. Contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Contract. Contractor shall carry out all applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by Contractor to carry out these requirements is a material breach of this Contract, which may result in the termination of this Contract or other such remedy as public agency deems appropriate. Each subcontract Contractor signs with a subcontractor must include the assurance in this paragraph. (See 49 CFR 26.13(b)).

- 2) Prompt Payment. Contractor is required to pay each subcontractor performing Work under this prime Contract for satisfactory performance of that work no later than thirty (30) days after Contractor's receipt of payment for that Work from public agency. In addition, Contractor is required to return any retainage payments to those subcontractors within thirty (30) days after the subcontractor's work related to this Contract is satisfactorily completed and any liens have been secured. Any delay or postponement of payment from the above time frames may occur only for good cause following written approval of public agency. This clause applies to both DBE and non-DBE subcontractors. Contractor must promptly notify public agency whenever a DBE subcontractor performing Work related to this Contract is terminated or fails to complete its Work, and must make good faith efforts to engage another DBE subcontractor to perform at least the same amount of work. Contractor may not terminate any DBE subcontractor and perform that Work through its own forces, or those of an affiliate, without prior written consent of public agency.
- 3) DBE Program. In connection with the performance of this Contract, Contractor will cooperate with public agency in meeting its commitments and goals to ensure that DBEs shall have the maximum practicable opportunity to compete for subcontract work, regardless of whether a contract goal is set for this Contract. Contractor agrees to use good faith efforts to carry out a policy in the award of its subcontracts, agent agreements, and procurement contracts which will, to the fullest extent, utilize DBEs consistent with the efficient performance of the Contract.

ENERGY CONSERVATION REQUIREMENTS

Contractor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the State energy conservation plans issued under the Energy Policy and Conservation Act, as amended, 42 U.S.C. Sections 6321 *et seq.* and 41 CFR Part 301-10.

FEDERAL CHANGES

Contractor shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the Contract between public agency and the FTA, as they may be amended or promulgated from time to time during the term of this contract. Contractor's failure to so comply shall constitute a material breach of this Contract.

INCORPORATION OF FEDERAL TRANSIT ADMINISTRATION (FTA) TERMS

The provisions include, in part, certain Standard Terms and Conditions required by the U.S. Department of Transportation (DOT), whether or not expressly set forth in the preceding Contract provisions. All contractual provisions required by the DOT, as set forth in the most current FTA Circular 4220.1F, dated November 1, 2008, are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Contract. Contractor agrees not to perform any act, fail to perform any act, or refuse to comply with any public agency requests that would cause public agency to be in violation of the FTA terms and conditions.

NO FEDERAL GOVERNMENT OBLIGATIONS TO THIRD PARTIES

Agency and Contractor acknowledge and agree that, absent the Federal Government's express written consent and notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying Contract, the Federal Government is not a party to this Contract and shall not be

subject to any obligations or liabilities to agency, Contractor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying Contract.

Contractor agrees to include the above clause in each subcontract financed in whole or in part with federal assistance provided by the FTA. It is further agreed that the clause shall not be modified, except to identify the subcontractor who will be subject to its provisions.

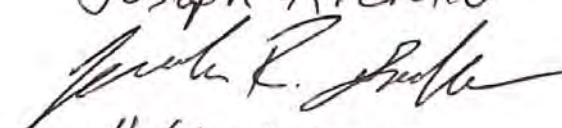
PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS

Contractor acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. §§ 3801 et seq. and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 CFR Part 31, apply to its actions pertaining to this Contract. Upon execution of the underlying Contract, Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the underlying Contract or the FTA assisted project for which this Contract Work is being performed.

In addition to other penalties that may be applicable, Contractor further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on Contractor to the extent the Federal Government deems appropriate.

Contractor also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FTA under the authority of 49 U.S.C. § 5307, the Government reserves the right to impose the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5307 (n)(1) on the Contractor, to the extent the Federal Government deems appropriate.

Contractor agrees to include the above clauses in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

Wahsega Labs, LLC
Joseph R. Gullo

11/10/2020

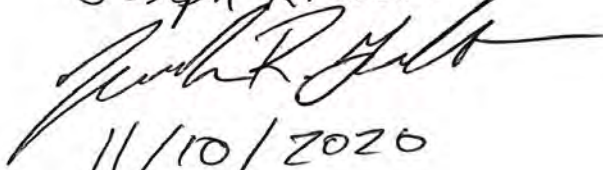
State Notice Addendum

The National Cooperative Purchasing Alliance (NCPA), on behalf of NCPA and its current and potential participants to include all county, city, special district, local government, school district, private K-12 school, higher education institution, state, tribal government, other government agency, healthcare organization, nonprofit organization and all other Public Agencies located nationally in all fifty states, issues this Request for Proposal (RFP) to result in a national contract.

For your reference, the links below include some, but not all, of the entities included in this proposal:

http://www.usa.gov/Agencies/State_and_Territories.shtml

<https://www.usa.gov/local-governments>

Wahsega Labs, LLC
Joseph R. Gullo

11/10/2020