VIP-9890A-EM-IC
InformaCast® Compliant
Vandal Resistant IP Emergency Talkback Call Station

INTRODUCTION

The VIP-9890A-EM-IC InformaCast Compliant IP Emergency Talkback Call Station provides emergency communication to any SIP telephone, InformaCast intercom or to a Valcom IP Gateway. The VIP-9890A-EM-IC combines a rugged talkback paging horn with a vandal-resistant enclosure, which is ideally suited for interior environments.

SPECIFICATIONS
Access Methods
- SIP – enabled telephone system
- InformaCast SIP
- InformaCast Page Group
- Valcom Multicast Page Group
- Analog PBX via Gateway

Features
- RJ-45 for network connection
- 1 Form C relay output
- Network activity LEDs
- Power over Ethernet (PoE) 802.3af compatible

Dimensions/Weight
Speaker Assembly / Backbox:
- 10.0" H x 12.5" W x 4" D
  (25.4cm H x 31.75cm W x 10.2cm D)
- Weight: 10.75lbs. (4.89 kg)

Nominal Specifications
Horn Impedance: 45 Ohms
Output Level: 100 dB @ 4' on axis
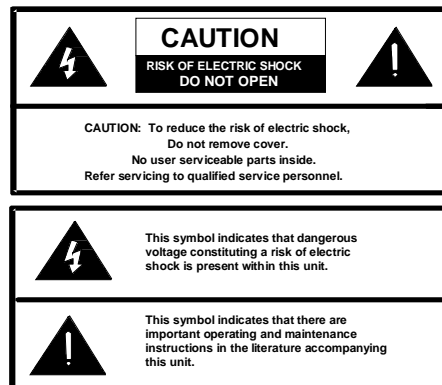Relay Current: 1 Amp @ 24VDC

Nominal Power Requirements
Via 802.3af (PoE) Ethernet Switch   Class 3

Environment
Temperature: 0 to +40° C
Humidity: 0 to 85% non-precipitating
Suitable for indoor installation

These products are intended for use with a UL Listed power source marked "Class 2" or "LPS" rated 24VDC, or 48VDC (PoE).
PoE and all interconnected ITE are intended for intra-building.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: To reduce the risk of electric shock,
Do not remove cover.
No user serviceable parts inside.
Refer servicing to qualified service personnel.

This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.

Precautionary Designations

- **WARNING-To Reduce The Risk Of Fire Or Electric Shock. Do Not Expose This Apparatus To Rain Or Moisture.**
- **AVERTISSEMENT - Afin de réduire les risques d'incendie ou de décharge électrique, évitez d'exposer le système à la pluie ou à l'humidité.**
- **Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.**
- **L'appareil ne doit pas être exposé à des égouttements et éclaboussures et aucun Objet Rempli de liquide, comme vase, ne doit être placé sur l'appareil.**

IMPORTANT SAFETY INFORMATION
CONSIGNES DE SÉCURITÉ IMPORTANTES
1. Read these instructions.
   Lisez ces instructions.
2. Keep these instructions.
   Conservez ces instructions.
3. Heed all warnings.
   Respectez tous les avertissements.
4. Follow all instructions.
   Suivez toutes les instructions.
5. Do not use this apparatus near water.
   Ne pas utiliser cet appareil près de l'eau.
6. Clean only with dry cloth.
   Nettoyer avec un chiffon sec.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
   Ne pas bloquer les ouvertures de ventilation. Installer formément aux instructions du fabricant.
8. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
   Ne pas installer à proximité de sources de chaleur telles que radiateurs, registres de chaleur, poêles ou autres appareils (y compris les amplificateurs) produisant de la chaleur.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does   not fit into your outlet consult an electrician for replacement of the obsolete outlet.
   Ne pas contourner le dispositif de sécurité de la fiche polarisée ou de mise à la terre. Une fiche polarisée possède deux lames dont une plus large que l'autre. Une fiche de terre a deux lames et une troisième broche de mise à la terre. La lame large et la troisième broche sont fournies pour votre sécurité. Si la fiche fournie ne rentre pas dans votre prise, veuillez consulter un électricien pour le remplacement de la prise obsolète.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
    N'utilisez que des fixations / accessoires spécifiés par le fabricant.
12. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
    Utilisez uniquement avec le chariot, stand, trépied, support ou table spécifié par le fabricant ou vendu avec l'appareil. Quand un chariot est utilisé, Soyez prudent lorsque vous déplacez l'ensemble chariot / appareil pour éviter des blessures dues au renversement.
13. Unplug this apparatus during lightning storms or when unused for a long period of time.
    Débranchez cet appareil pendant les orages ou lorsqu'il n'est pas utilisé pendant une longue période de temps.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way. Such as when the power supply cord or plug is damaged, liquid has been spilled, objects have fallen into the apparatus or the apparatus has been exposed to rain or moisture and does not operate normally or has been dropped.
    Confiez toute réparation à un personnel qualifié. Une réparation est nécessaire lorsque l'appareil a été endommagé de quelque façon. Par exemple lorsque le cordon d'alimentation ou la fiche est endommagé, du liquide a été renversé, si des objets sont tombés dans l'appareil ou le appareil a été exposé à la pluie ou à l'humidité et ne fonctionne pas normalement ou s'il est tombé.

FCC Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area may cause harmful interference in which case the user will be required to correct the interference at his own expense.

INSTALLATION
Operation:

The VIP-9890A-EM-IC provides talkback access via network connection to customer telephone system, InformaCast server or stand-alone telephone set. Access can be via SIP registration to a Voice over IP (VoIP) telephone system, SIP registration to an InformaCast server, or IP connection to a Valcom analog gateway. Pressing the call button on the speaker assembly initiates a call to a user-specified telephone number, and the call assurance LED behind the intercom unit face plate begins to flash. When the call is answered, a hands-free communications path is established to the speaker, and the call assurance LED behind the face plate remains lit.   The form C relay included with the VIP-9890A-EM-IC may be activated by pressing a user-defined key on the answering telephone, with the relay typically being used to activate door entry equipment.

Mounting

For enhanced protection against static electrical discharge, it is recommended the VIP-9890A-EM-IC Speaker Enclosure be installed onto a grounded electrical box, If surface mounted, ground box to local ground.

The VIP-9890A-EM-IC speaker enclosure is designed for double gang FD electrical box mounting and must be within 100 meters of the network switch.

Remove the speaker assembly from the packing container. Using a Phillips screwdriver, remove the screws securing the front grille to the enclosure. Unplug the patch cable connecting the speaker to the network board Signal Output RJ-45 jack to allow removal of grille/speaker assembly. Pre-drilled 13/64" mounting holes in the back of the enclosure are designed to fit a single gang, double gang or octagon outlet box. If not attaching to an outlet box, use the enclosure as a template. Hold the enclosure in the desired position on the wall and mark the location of mounting holes. Depending on wall construction type, prepare the mounting hole locations on the wall to securely attach the enclosure.

Wiring may be inserted through the large hole in the back of the enclosure, or through the knockout hole in the top of the enclosure. Insert wiring for network connections and relay connections (if used) through desired hole. Use mounting hardware (not included) appropriate for the wall type to securely mount the enclosure to the wall.

After making all connections, align the grille/speaker assembly with the enclosure. Install the four supplied tamper-resistant screws through the grille into the enclosure. Use a 1/8" security hex bit to tighten the screws securely.

Power Connections
The only method of powering a VIP-9890A-EM-IC is via a Power over Ethernet (PoE) switch or power injector meeting the 802.3af specification.

Make all required connections before connecting to Ethernet switch or power injector meeting the 802.3af specification.

Network Board Connections
The VIP-9890A-EM-IC network board has one RJ-45 NETWORK connector and one RJ-45 Signal Output connector. Use a standard Ethernet patch cable to connect the NETWORK connector of the VIP-9890A-EM-IC network board to an Ethernet switch. A patch cable is provided that connects the Signal Output connector to the speaker board RJ-45 connector.

Door Relay Connections
Access to the form C relay is provided via a three-pin screw terminal block on the VIP-9890A-EM-IC speaker. The common contact is the middle terminal. The Normally Open contact is on the side labeled NO, the Normally Closed contact is labeled NC.

Status Indicator Lights
The VIP-9890A-EM-IC network board has 2 status indication lights on the Ethernet connector:

Green LED: (Link) Indicates Ethernet connection when illuminated.

Yellow LED: (Activity) Indicator flashes to indicate network activity.

Setup
The VIP-9890A-EM-IC will automatically acquire an IP address (using DHCP) and connect to the InformaCast server when connected to the network and powered up. Information specific to your application will need to be programmed into the InformaCast server. Refer to the InformaCast documentation for further Information.
Programming for optional features, such as Relay activation, can be entered using the VIP-102B IP Solutions setup tool. The VIP-102B Programming tool may be downloaded from the Valcom website at www.valcom.com/vipsetuptool.

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TECHNICAL ASSISTANCE

Assistance in troubleshooting is available from the factory. Call (540) 563-2000 and press 1 for Technical Support or via email at support@valcom.com.

When requesting assistance, you should include all available information. Information and trouble-shooting procedures are available on the Valcom website at www.valcom.com.
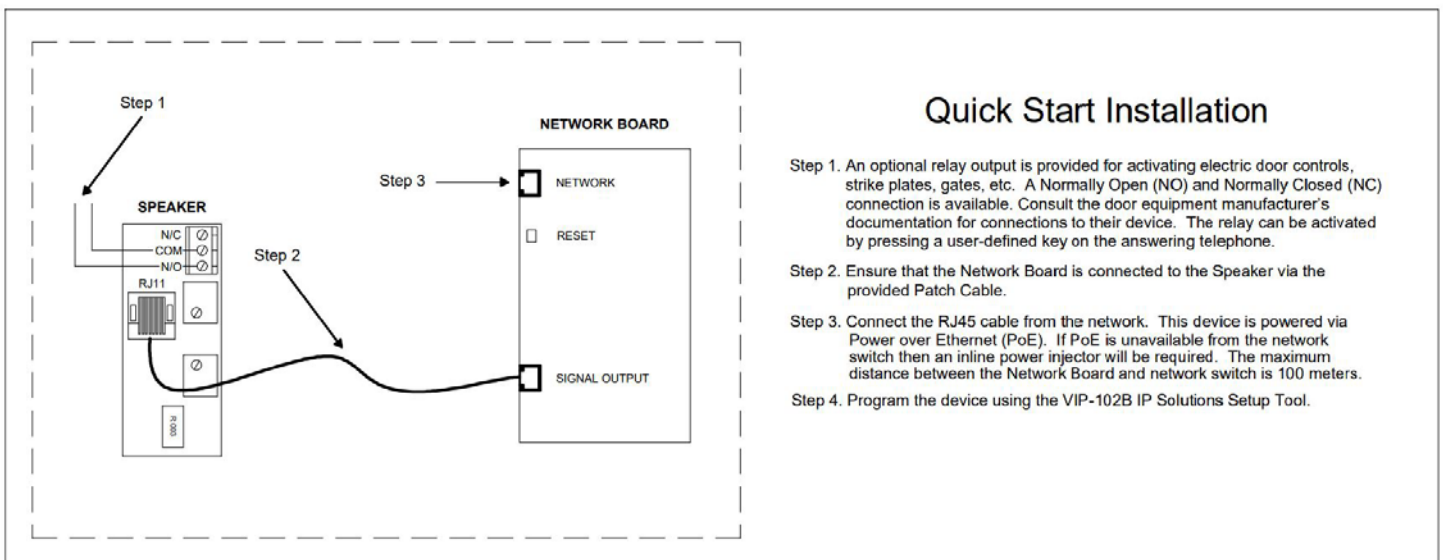
Valcom equipment is not field repairable. Valcom, Inc. maintains service facilities in Roanoke, VA.

Should repairs be necessary, attach a tag to the unit clearly stating your company name, address, phone number, contact person and the nature of the problem. Send the unit to:

Valcom, Inc.
Repair & Return Dept.
5614 Hollins Road
Roanoke, Va. 24019-5056

WARRANTY
Warranty information may be found on our website at www.valcom.com/warranty.

Quick Start Installation

Step 1. An optional relay output is provided for activating electric door controls, strike plates, gates, etc. A Normally Open (NO) and Normally Closed (NC) connection is available. Consult the door equipment manufacturer's documentation for connections to their device. The relay can be activated by pressing a user-defined key on the answering telephone.

Step 2. Ensure that the Network Board is connected to the Speaker via the provided Patch Cable.

Step 3. Connect the RJ45 cable from the network. This device is powered via Power over Ethernet (PoE). If PoE is unavailable from the network switch then an inline power injector will be required. The maximum distance between the Network Board and network switch is 100 meters.

Step 4. Program the device using the VIP-102B IP Solutions Setup Tool.

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