VALCOM IP Solutions

VIP-490AL-IC
IP Talkback Flexhorn
InformaCast® Compliant

SPECIFICATIONS
Access Methods
- Singlewire InformaCast server
- SIP-enabled telephone system

Features
- RJ-45 for network connection
- LED Status Indicator
- Network activity LEDs
- Power over Ethernet (PoE) 802.3af compatible

Dimensions/Weight
Horn
- 6.8" (17.3 cm) H x 8.3" (21.1 cm) W x 3.3" D (8.4 cm)

Network Interface
- 1.62" H x 5.63" W x 3.45" D (4.11 cm) x (14.30 cm) x (8.73 cm)
- **with brackets** – 8.22" W (20.87 cm)
- Weight: 2.10 lbs. (0.95 kg)

Nominal Power Requirements
Via 802.3af PoE Ethernet Switch: Class 3

Environment
VIP-490AL-IC Network Interface
Temperature: 0 to +40° C
Humidity: 0 to 85% non-precipitating
VIP-490AL-IC Horn:
Suitable for indoor or outdoor installation

Packing List

Qty	Item
1	VIP-490AL-IC Network Interface
1	VIP-490AL-IC Horn
1	VSP Document
1	VM-186 RJ-45 Connector

Precautionary Designations

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.

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
Mounting
The VIP-490AL-IC Network Interface is designed for wall or table mounting and must be within 100 meters of the network switch.

Wall: Using the wood screws and mounting brackets provided, secure the VIP-490AL-IC Network Interface to the wall.

Mounting (Horn)
Flush Mount using Mounting Screws
The cardboard packing material in which the horn is shipped also serves as the template for flush mounting. Using the template, mark the location of opening and mounting holes on wall. Drill holes appropriate to mounting hardware and cut out the opening. Make appropriate wiring connections and test the speaker for operation. Using appropriate mounting screws (not furnished) drill and mount the flange as shown.

UNIVERSAL BRACKET
Loosen or separate the universal bracket leaves by loosening or removing the handle and hardware. Using the back leaf as a template, mark the wall through the mounting holes. Drill and mount to the wall using appropriate screws (not furnished) or mount directly to a junction box. Mount the T-bracket to the back of the horn as shown using the (2) ½ inch screws provided.

Power Connections
The only method of powering a VIP-490AL-IC Network Interface is via a Power over Ethernet (PoE) switch or power injector meeting the 802.3af specification.
Make all required signal connections before connecting to Ethernet switch or power injector meeting the 802.3af specification.

Network Connection
The VIP-490AL-IC Network Interface has one RJ-45 network connector, and one RJ-45 horn connector. Use standard Ethernet patch cable to connect the NETWORK connector of the VIP-490AL-IC Network Interface to a PoE Ethernet switch.

Signal Connections
Audio output connection is made from the Signal Output. The RJ-45 connector on the horn is connected directly to the RJ-45 Signal Output socket on the IP Link. See Figure 1.

If additional length is required, any standard T568B extension may be used. See Figure 2.

If required, a normally open call button may be connected to the white blue pair (pins 4 and 5) of the HORN RJ-45 connector. See Figure 2.

Status Indicator Lights
The VIP-490AL-IC has 2 status indication lights located on network jack:

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

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

Setup
The VIP-490AL-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.

TECHNICAL ASSISTANCE

Assistance in troubleshooting is available from the factory. Call (540) 563-2000 and press 1 for Technical Support or visit our website at http://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

Figure 1

NETWORK INTERFACE

NETWORK

NETWORK CONNECTION

SIGNAL OUTPUT

350' MAXIMUM DISTANCE

RJ-45

TYPICAL 568B RJ-45 JACK

CAT 3/5/6

BROWN
WHITE/BROWN
GREEN
WHITE/GREEN
ORANGE
WHITE/ORANGE
BLUE
WHITE/BLUE

RJ45

BROWN

BROWN
WHITE/BROWN
GREEN
WHITE/GREEN
ORANGE
WHITE/ORANGE
BLUE
WHITE/BLUE

BLUE

VM-186

FLEXHORN

(OPTIONAL)
CALL IN SWITCH
NORMAL OPEN
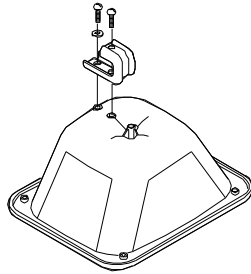MOMENTARY CLOSED

Figure 2
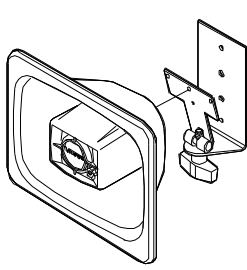
UNIVERSAL BRACKET

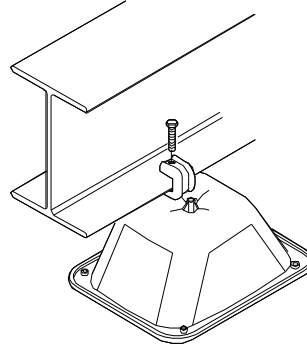SURFACE MOUNTED WITH A
UNIVERSAL MOUNTING BRACKET
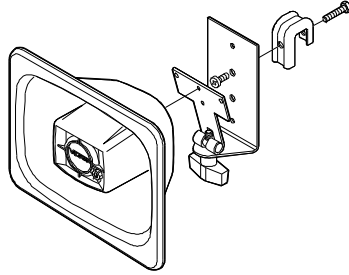
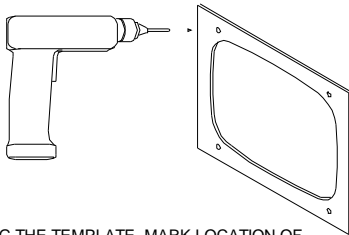UNIVERSAL BRACKET WITH CLAMP

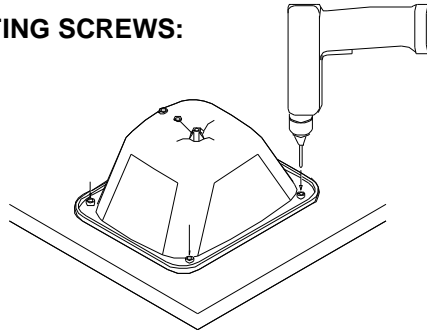# "C" CLAMP FOR "I" BEAM MOUNTING

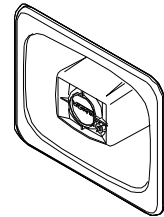ATTACH CLAMP TO HORN

ATTACH FLEXHORN TO BEAM

FLUSH MOUNT USING MOUNTING SCREWS:

USING THE TEMPLATE, MARK LOCATION OF
OPENING AND MOUNTING HOLES ON WALL.
DRILL HOLES APPROPRIATE TO MOUNTING
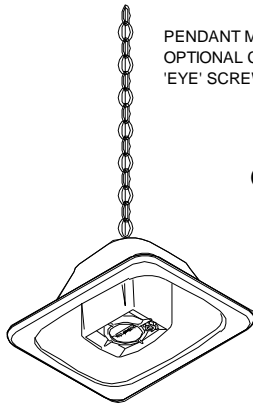HARDWARE AND CUT OUT THE OPENING.

HOLDING FLEXHORN FIRMLY AGAINST A FLAT
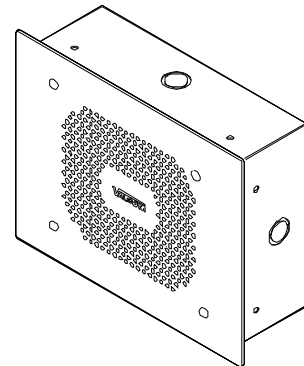SURFACE, DRILL THROUGH EACH MOUNTING BOSS
AS SHOWN.

FLUSH MOUNTING IN A STUD WALL
INSTALLED WITH MOUNTING SCREWS
OR CONSTRUCTION CEMENT.

PENDANT MOUNTING WITH
OPTIONAL CHAIN AND
'EYE' SCREW

OTHER MOUNTING OPTIONS:

OPTIONAL V-9805
VANDAL RESISTANT ENCLOSURE