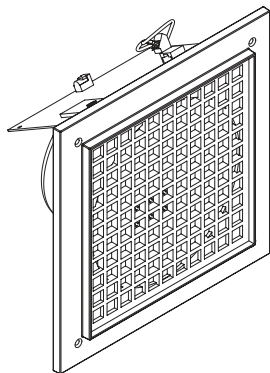




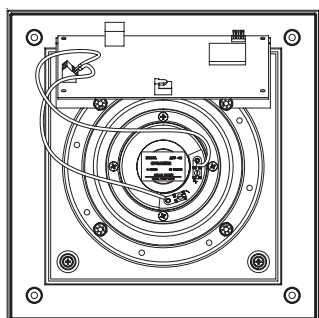
INFORMACAST® IP COMPLIANT ALL WEATHER HORN LOUDSPEAKER SYSTEM POWERED BY CISCO® POE NETWORK SWITCHES

IHVP

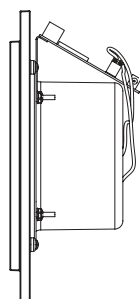
One



**IHVP
(3/4 View)**



**IHVP
(Back View)**



**IHVP
(Side View)**

FEATURES

- Use with Berbee InformaCast software, Cisco® POE networks & Cisco® IP Telephones to create extremely versatile paging and messaging systems
- Highly efficient APF horn loudspeaker system provides 104dB average SPL @ 1W/1M and is capable of 113dB @ 1 meter via the rated power of the internal IP addressable amplifier
- 95° dispersion in the 2kHz octave band (-6dB)
- Frequency response of 700Hz to 5.5kHz (+/-5dB) is perfect for high intelligibility speech and general messaging playback

APPLICATIONS

The perfect choice for education, military/government and large scale corporate applications, Berbee's InformaCast IP Broadcasting Solution revolutionizes communication, clock/bell, and message playback functionality. It provides the capability to simultaneously send a multicast audio stream and text messages to any combination of Cisco IP phones, Atlas Sound IP speakers, and PCs. With the push of a single button on the phone or a single click from a PC, a user can send a live, recorded, or scheduled broadcast to one or more paging groups. With InformaCast compliant loudspeaker products from Atlas Sound, system designers and integrators will have the ability to deploy extremely large scale and complex paging systems over new or existing Cisco networks with the convenience of centralized administration by IT personnel.

Extreme cost savings can also be realized from the elimination of separate "stand alone" paging systems when InformaCast is utilized in education applications in conjunction with Atlas Sound speaker and clock/speaker baffle systems.

GENERAL DESCRIPTION

Model IHVP from Atlas Sound consists of a factory assembled horn loudspeaker/baffle with PCB amp/control board securely mounted to the rear of the baffle via concealed weld studs. The amp/control board is capable of producing 9 Watts RMS into the 8 Ohm loudspeaker with 9VDC minimum power provided by Cisco IEEE 802.3AF compliant POE switches (local 12-18VDC PSU's may also be used instead of POE switches). Interconnection is via a board mounted female RJ-45 connector. The industry standard APF-15 loudspeaker used in the IHVP is a highly efficient 15 Watt compression driver with a proven record of outstanding service reliability. A double re-entrant design provides superior audibility of voice and tone signaling. The unit features a vandal and environmental resistant metal construction for indoor or outdoor use. The cast aluminum alloy construction of the metal baffle provides security and durability in commercial applications. A perforated 22 gauge stainless steel metal screen is provided over the loudspeaker to maximize performance by allowing the optimum percentage of open area forward of the loudspeaker. The baffle is finished in neutral white electrostatic powder coat and is packaged with all necessary vandal resistant mounting screws.

ENCLOSURE IS NOT INCLUDED. Available optional enclosures:

| MODEL | DESCRIPTION |
|---------|--|
| SEST-IH | Surface mount, straight enclosure for IHVP, stainless steel construction, neutral white finish |
| FEST-IH | Flush mount straight enclosure for IHVP, stainless steel construction, no finish |

Specifications subject to change without notice



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ARCHITECT AND ENGINEER SPECIFICATIONS

Unit shall be Atlas Sound Model IHVP. The loudspeaker system shall include factory assembled horn loudspeaker, IP addressable PCB amplifier/control and cast aluminum alloy baffle. Loudspeaker shall be Atlas Sound Model APF-15. Unit shall be double re-entrant type with compression driver mounted within weather-resistant housing. Audio power capability shall be 15 Watts continuous. Frequency response shall be 600-14,000 Hz (nominal), 700-5,500 Hz (± 5 dB). Sound pressure level shall be 104dB (1W/1M). Sound dispersion angle shall be 95 degrees. Loudspeaker mounting shall be by eight .1875" (4.76mm) evenly space holes. Model APF-15 dimensions shall be 5 5/8" (143mm) Dia. x 3.4375" (87mm) Deep with 6.9375" (176mm) Dia. flange. Finish shall be grey baked epoxy. The IP addressable PCB amplifier/control shall be mounted to the rear of the loudspeaker baffle via concealed weld studs. The amplifier/control PCB shall be capable of producing 9 Watts RMS with a minimum of 12VDC power provided

either locally or via Cisco IEEE 802.3AF compliant POE switches. Interconnect shall be via female RJ-45 connector mounted to the PCB. All control functionality of the PCB amplifier shall be determined via software. The metal loudspeaker baffle overall dimensions shall be 12.88" (327mm) wide by 14.38" (365mm) tall. Construction shall be cast from self-aging aluminum alloy with a tensile strength of 44,000 P.S.I. Assembly shall include provisions to mount the re-entrant horn. 22 gauge perforated stainless screen shall be spot welded over the loudspeaker cut-out. Flush-mounting tamperproof heat-treated alloy screws and a special wrench shall be furnished. Dimensions shall be 10.75" (273mm) square by .75" (19mm) deep (not including weld stud depth) Baffle finish shall be textured white epoxy. Optional enclosures shall include white stainless steel surface mount model SEST-IH and flush mount model FEST-IH (unfinished).

| APF-15 Loudspeaker Specifications | |
|-----------------------------------|--|
| Power Handling | 15 W continuous |
| Sensitivity | 120dB at 15W (peak) 114dB at 15W/1M (avg) 700-5,500Hz 104dB 1W/1M (avg) 700-5,500Hz |
| Frequency Response | 600-14,000Hz (nominal) 700-5,500Hz (± 5 dB) |
| Dispersion | 95° (-6dB, 2000Hz octave band) |
| Dimensions | 5 5/8" Dia. x 3 7/16" D x 6 15/16" Dia. Flange |
| Finish | Grey baked epoxy |

| Baffle Specifications | |
|-------------------------|--|
| Baffle Material | Cast aluminum |
| Speaker Grille Material | 22 gauge perforated stainless steel |
| Overall Dimensions | 10.75" (273mm) square x 1" (25mm) deep |
| Color | White |

| Amplifier/Controller Specifications | |
|-------------------------------------|---|
| Power Rating | 9 Watts RMS into 8 Ohm load with 9VDC In |
| Inputs | RJ-45 female on PCB accessible from rear of baffle |
| Outputs | 2 wire main +/- terminated to loudspeaker |
| Power Source | Cisco IEEE 802.3AF compliant POE network switches or local 12-18VDC PSU |
| Dimensions | 4.25" (108mm) by 7.25" (184mm) |
| Mounting | 4 holes to weld studs on baffle (factory assembled) |
| Network Control | Berbee InformaCast on multicast enabled networks |

Specifications subject to change without notice



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