

AHLP-1
Active Induction Hearing Loop
for VOIP-500/VOIP-600 Series IP Call Stations

Description

Model **AHLP-1** Active Induction Hearing Loop is an all-in-one panel that integrates a driver (i.e. amplifier) and a copper induction loop.

This panel allows a VOIP-500/VOIP-600 Series IP Call Station to transmit to a telecoil-enabled hearing aid (i.e. bone-anchored hearing aid (BAHA) or cochlear implant via magnetic field)—providing critical accessibility to a user with hearing loss.

Features

- Transmits audio from a VOIP-500/VOIP-600 Series IP Call Station to a tele-coil enabled hearing aid
- Labeled with internationally recognized hearing loop signage
- Mounts next to a VOIP-500/VOIP-600 Series IP Call Station
- Class D efficiency and low power consumption
- Digital Signal Processor (DSP) design offers unparalleled intelligibility
- Metal loss correction



Specifications

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| Dimensions (W x D x H): | 5.43 x 0.87 x 8.82 in. (138 x 22 x 224 mm) |
| | Note: Depth does not include mounting clearance |
| Weight: | 0.86 lbs. (0.39 kg) |
| Mounting: | Surface or wall mount at a height of approximately 4 feet above the finished floor |
| Operating Temperature: | -40°F to 167°F (-40°C to 75°C) |
| Humidity Range: | < 90% relative humidity |
| Ingress Protection: | IP55 |
| Impact Protection: | IK08 |
| Power: | 12 VDC (power supply not included) |
| Power Consumption: | 0.05 A (quiescent) 0.240 A (continuous pink noise) 0.765 A (continuous sine) 1.2 A (maximum short-term peak) |
| Audio System: | Frequency Response: 100Hz to 5kHz ±1.5dB relative to 1kHz at low level, measured as loop current with no metal loss correction AGC Compression: Time constants optimized for speech AGC Dynamic Range: > 36dB AGC Control: Adjustable input level/gain Metal Loss Correction: 0dB to 3dB/octave boost (adjustable) |
| Compliance/Conformity: | Directive: 2004/108/EC EMC: EN55103-1 : 2009+A1:2012 Emission (E1-5), EN55022, EN61000-6-4, EN55103-2 : 2009 Immunity (E1-5), EN55024, EN61000-6-1 Directive: 2006/95/EC Safety: EN60065 : 2002+A12:2011 Directive: 2011/65/EU RoHS |
| Limited Warranty: | 2-year limited warranty |

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Accessories

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| PoE+ Power Supply | Model POE-MID-EXT-1 provides 12 VDC to the AHLP-1 Active Induction Hearing Loop—requires a 30W, IEEE 802.3at Ethernet switch (provided by others). |
| Field Strength Meter | Model AHLP-FSM-1 is utilized for field testing and commissioning to the IEC 60118-4:2014 standard. Requires Model AHLP-SG-1 Signal Generator. |
| Signal Generator | Model AHLP-SG-1 is utilized for field testing and commissioning to the IEC 60118-4:2014 standard. Requires AHLP-FSM-1 Field Strength Meter. |

Example System Block Diagram

