

AHLP-1
Active Induction Hearing Loop
for VOIP-500/VOIP-600 Series 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 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 an VOIP-500/VOIP-600 Series 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 Call Station
- Class D efficiency and low power consumption
- Digital Signal Processor (DSP) design offers unparalleled intelligibility
- Metal loss correction

Specifications

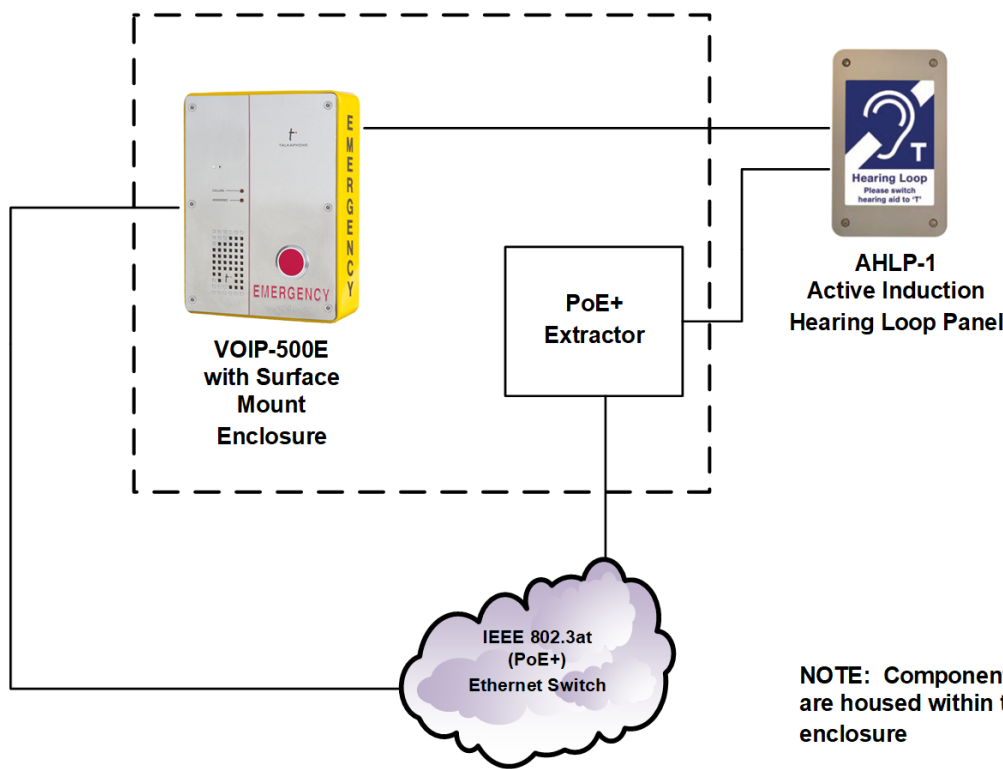
Dimensions (W x D x H):	5.43 x 0.87 x 8.82 in. (138 x 22 x 224 mm)
	Note: Depth does not include mounting clearance
Weight:	0.86 lbs. (0.39 kg)
Mounting:	Surface or wall mount at a height of approximately 4 feet above the finished floor
Operating Temperature:	-40°F to 167°F (-40°C to 75°C)
Humidity Range:	< 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

- 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



NOTE: Components within dotted rectangle are housed within the surface mount enclosure