IP-ZCMIC

CEILING/WALL MOUNT IPX MICROPHONE KIT

TECHNICAL DATA SHEET

PRODUCT SUMMARY

AtlasIED IP-ZCMIC IPX Microphone Kit is a microphone mounted ceiling / wall plate assembly enabling hands free two-way communication when connected to the AtlasIED IP-DDS, IP-DD, IP-F, IP-SDH, IP-HVP, and IP-APX non-talkback IP endpoint device.

KEY FEATURES

Faceplate Assembly
- Single Gang 16-gauge Neutral White Powder Coated Stainless Steel
- 2 Way Screw Terminal Barrier Connector
- Small Omnidirectional Back Electret Condenser Microphone Cartridge

Audio Codec Support
- G.711 u-law / a-law (16 kbit/s)
- G.722 Wideband Audio (64 kbit/s)

Connectivity
- 2 conductor 18 AWG Cable
- AtlasIED IP Endpoints Auto Discover

Max Distance from IP Endpoint
- Up to 25ft

Audio Features
- Adjustable Microphone Level
- Auto Answer (Selectable)
- High Resistance to Vibration
- High Signal-to-Noise Ratio

AtlasIED IP Endpoint Compatibility
- IPX Models: IP-DDS, IP-DD, IP-F, IP-SDH, IP-HVP, and IP-APX
- Plus Models

APPLICATIONS

Model IP-ZCMIC IPX Microphone Kit simply connects to a non-talkback AtlasIED IP endpoint device that is registered as a communication endpoint directly within Singlewire®, AtlasIED®, Syn-Apps®' notification applications and/or SIP Server to enable hands free two-way communication in that area where the non-talkback AtlasIED IP endpoints is located.

The IP-ZCMIC can be mounted in a low voltage single gang box in a wall or ceiling location.

TECHNICAL DATA SHEET

AUDIO SPECIFICATIONS / PERFORMANCE

SYSTEM	
Type	Omnidirectional Back Electret Condenser Microphone Cartridge
Sensitivity	Minus 35 (±4dB) / (0db = 1V/pa, 1kHz)
Impedance	Less than 2.2k^
Directivity	Omnidirectional
Frequency Range	20Hz – 20kHz
Standard Operation Voltage	2V
Max. Operation Voltage	10V
Current Consumption Max.	0.5 mA
Sensitivity Reduction Within	Minus 3dB @ 1.5V
S/N Ratio	More than 62dB

SOFTWARE

GCK Compatible Version	7.0+
InformaCast Advanced Compatible Version	4.0+
InformaCast Fusion Compatible Version	3.0+
SA-Announce Compatible Versions	9.0.18+

COMPATIBLE IP DEVICES

IP Audio	AtlasIED IPX and Plus Models
IP Video	AtlasIED IPX and Plus Models
IP – to – Analog Gateways	AtlasIED IPX and Plus Models

FACEPLATE ASSEMBLY

Color	White (RAL9016)
Faceplate Material	16-gauge Stainless Steel
Mounting / Rigging Provisions	2 x Screws, Optional Surface or Flush low voltage single gang box (Sold Separately)
Safety Agency Ratings	
Microphone Connectivity Type	2 Way Screw Terminal Barrier Connector
Product Dimensions (HxWxD)	4.5" x 2.75" x 1" (114.3mm x 69.85mm x 25.4mm)
Shipping Dimensions (HxWxD)	
Net Weight - lbs	0.30 LB (0.17 kg)
Shipping Weight - lbs	

WARRANTY COVERAGE

Warranty Period	1 Year

Notes:

1. - Sensitivity: Half space pink noise measurement at 6 ft (1.8 m) at 20% power;
   extrapolated to 1 meter and an input of 2.83 volts RMS.
2. - Watts: All wattage figures are calculated using the rated nominal impedance.
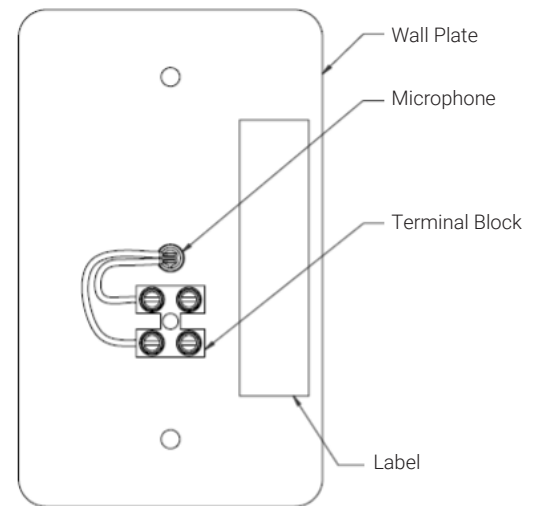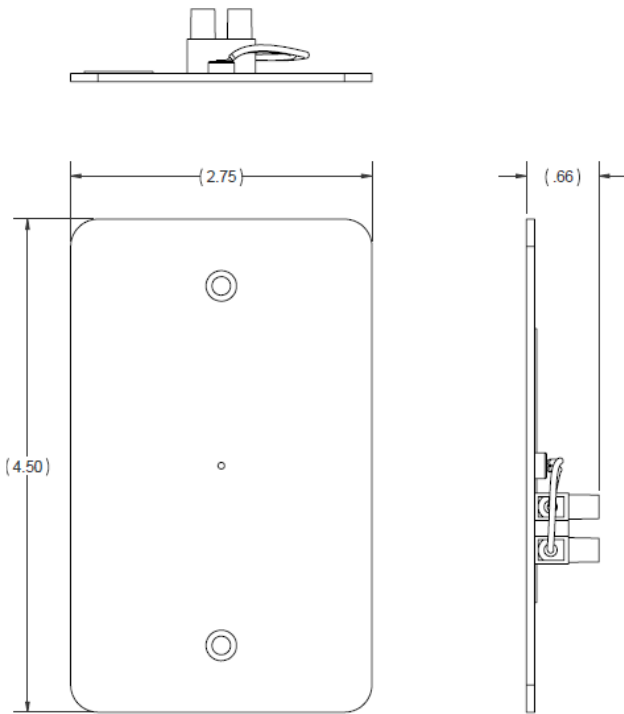3. - Frequency response and sensitivity are half-space measurements.

AtlasIED

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TELEPHONE: (800) 876-3333
SUPPORT@ATLASIED.COM

AtlasIED.com

DIMENSIONAL DRAWINGS

(2.75)

(.66)

(4.50)

Wall Plate

Microphone

Terminal Block

Label

AtlasIED

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ARCHITECT AND ENGINEER SPECS

The unit shall be AtlasIED model IP-ZCMIC. The IP-ZCMIC Microphone Kit shall consist of a factory assembled small omnidirectional back electret condenser microphone cartridge, 2-way screw terminal barrier connector and single gang 16-gauge neutral white powder coated stainless steel faceplate.

Each IP-ZCMIC shall be connected to one AtlasIED non-talkback IP Endpoint that receives announcements and messages using dynamically routed data on a standard Ethernet network. Interconnect shall be to mic input on the AtlasIED IP endpoint via phoenix connector mounted to the PCB.

The units microphone audio level and auto answer settings shall be configurated using the AtlasIED IP endpoint Graphical User Interface (GUI).

All full duplex talkback communication functionality shall be controlled via AtlasIED's GCK®, Syn-Apps' SA-Announce® and/or Revolution®, Singlewire's InformaCast® notification software platforms and SIP standalone operation.

Intercom calls shall be placed by momentarily depressing the pushbutton on the call switch connected to the GPIO input of the AtlasIED IP endpoint device.

The IP-ZCMIC Microphone Kit shall be installed in a low voltage single gang box in all location designated on the blueprints. Its overall dimensions shall be 4.5" x 2.75" x 1" (114.3mm x 69.85mm x 25.4mm) HxWxD. Finish shall be neutral white electrostatic powder coat.