

DESCRIPTION

Model AOP-SP-E is a wall mount speakerphone designed to interface with various modes of audio/video transmission systems. They provide bi-directional audio to the receiving device (DVR, PC soundcard, IP Camera, etc.). The AOP-SP-E contains a built-in electret condenser microphone and a 4" speaker. Also it has control potentiometers for adjusting the sensitivity of both transmitted and received audio. AOP-SP-E comes with both back boxes for Flush and Surface mounting to a wall. The unit is weather resistant and maybe used for outdoor applications.

APPLICATION

Model AOP-SP-E has the electronics to provide two-way/talk-listen audio with the following transmission systems:

- DVR's
- PC Soundcards and soundcard modules
- Audio over IP Camera
- Wireless video systems that accept audio
- Video Servers

Companion Model AOP-XD Transceiver Interface can be used for the above applications



MODEL AOP-SP-E
Speakerphone
Wall Mount-Flush or Surface

MODEL AOP-SP-E
backboxes



Plastic for flush
mounting




Metal for surface
mounting

FEATURES

- Omni-directional microphone and 4" speaker
- Hands free operation
- External controls for adjusting volume of both listen and talkback
- Power LED on faceplate
- Aluminum face plate
- Backboxes (included)
Surface mount (Metal)
Flush Mount (Plastic)

IMPORTANT NOTICE

When this equipment is used as part of an audio monitoring system, the law requires that the public be given notice of AUDIO MONITORING ON THE PREMISES. A decal notice is included with each microphone shipped.



Federal Law References:
Federal Regulations, US Code, Title 18. Crime and Criminal Procedure, Sec 2510.

WIRING REQUIREMENTS

- 3 Conductor consisting of:
- 2 Conductor **shielded**, 20 gauge with 22 gauge drain
 - 1 Conductor **unshielded**, 20 gauge
- All in the same jacket

West Penn 358 or equivalent



SPECIFICATIONS (Microphone)

Type	Electret Condenser
Microphone output	line level (0 dB @ 600Ω)
Microphone element sensitivity	-45 dB
Frequency response	40 Hz to 15kHz ± 1dB

SPECIFICATIONS (Speaker)

Speaker power output	2W
Speaker impedance	8Ω
Speaker magnet	3 oz. ceramic
Speaker size	4" (101mm)
Power supply	12Vdc, 500mA
Weight, net	3 Lbs. (1.4 Kg)

SPECIFICATIONS (Mechanical)

Face Plate dimensions for AOP-SP-E	6¼"W x 8"L (159mm W x 203mm L) Aluminum
Surface Mount Backbox	6¼"W x 8"L x 2¾"D (159mm W x 203mm L x 70mm D) Aluminum
Flush Mount BackBox	5"W x 6 "L x 2 "D (127mm W x 175mm L x 67mm D)
Total including flange	6¼"W x 8"L x 2 "D (159mm W x 203mm L x 67mm D)

