

DESCRIPTION

Model AOP-SP-CF and AOP-SP-CS are ceiling mount speakerphones designed to interface with various modes of audio/video transmission systems. They provide bi-directional audio with the receiving source (DVR, PC soundcard, IP network cameras with audio and video servers with audio, etc). Both AOP-SP-CF and AOP-SP-CS contain a built-in electret condenser microphone and a 4" speaker. Also a control potentiometer for adjusting the sensitivity of both transmitted and received audio.

AOP-SP-CF is for Flush mounting to ceiling

AOP-SP-CS is for Surface mounting to ceiling

APPLICATION

Model AOP-SP-CF and AOP-SP-CS have the electronics to provide two-way/talk-listen audio with the following transmission systems:

- DVR's
- IP Network Cameras
- PC Soundcards
- Video Servers



MODEL AOP-SP-CF
2-way Speakerphone
Ceiling Mount-Flush

MODEL AOP-SP-CS
2-way Speakerphone
Ceiling Mount-Surface

FEATURES

- Omni-directional microphone and 4" speaker
- Controls for adjusting volume of both listen and talkback
- Flush or surface ceiling mount models
- Hands-free operation for talk/listen
- Muting circuit to minimize echo

SPECIFICATIONS (Microphone)

Type	Electret Condenser
Audio output	Line level (0 dB @ 600Ω) unbalanced
Microphone element sensitivity	-45 dB
Frequency response	40 Hz - 15 kHz
Audio Input Impedance	600Ω

SPECIFICATIONS (Speaker)

Speaker power output	1W
Speaker impedance	8Ω
Speaker magnet	1.73 oz ceramic
Speaker size	4" (102mm)
Current Drain	200mA
Supply Voltage	12Vdc

SPECIFICATIONS (Mechanical)

AOP-SP - CF/CS (grill)	12 7/8"
ERD-8 (Backbox for AOP-SP-CF)	12 1/4" Dia x 4" D
MR-8 (Mounting ring for AOP-SP-CS)	12 3/8" Dia x 3" D
Weight (AOP-SP-CS)	2 Lbs 12 oz
Weight (AOP-SP-CF)	2 Lbs 12 oz
Weight, (AOP-SP-CS) with MR-8	5 Lbs (2.3 Kg)
AOP-SP-CF Shipping Weight	7 lbs
AOP-SP-CS Shipping Weight	7 lbs

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



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.