

AOP-SP-CF/AOP-SP-CS

BI-DIRECTIONAL SPEAKERPHONE

TECHNICAL DATA SHEET

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
- The above systems can be used as stand alone units or with Louroe Model AOP-XD audio transceiver interface. The AOP-XD provides power to the AOP-SP-CF/CS, contains level controls for 2-way communication and provides audio filtering to enhance the quality of sound.



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

SPECIFICATIONS (Microphone)

■ Type	Electret Condenser
■ Audio output	Line level (0 dB @ 600Ω) unbalanced
■ Microphone element sensitivity	-45 dB
■ Frequency response	40 Hz - 10 kHz
■ Audio Input Impedance	600Ω

SPECIFICATIONS (Speaker)

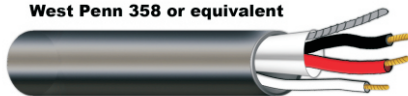
■ Speaker power output	1.5W
■ Speaker impedance	8Ω
■ Speaker magnet	3 oz. ceramic
■ Speaker size	4" (102mm)
■ Current Drain	200mA
■ Supply Voltage	12Vdc
■ Weight, net (AOP-SP-CF)	2.5 Lbs (1.1 Kg)
■ Weight, (AOP-SP-CS) with MR-8	5 Lbs (2.3 Kg)

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 (Mechanical)

■ AOP-SP - CF/CS (grill)	12 7/8" (327mm)
■ AOP-SP-CF (backbox) for flush mount	
Inside	9 3/4" (247mm)
Flange	12 5/16" (313mm)
Depth	4 1/2" (114mm)
■ AOP-SP-CS MR8 (Mounting Ring) for surface mount	12 3/8" X 3"H (314mm H x 76mm)

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.