

SP-SVC Supervised Volume Control

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Invented for life



- ▶ Compatible with UL864 Listed 24 V supervised notification appliance circuits (NACs)
- ▶ Compatible with Class B wiring, and with Class A wiring when used with the SP4-APS Addressable Paging Splitter
- ▶ Adjustment settings (0 to 10) in 3 dB increments
- ▶ Selected adjustment does not affect volume setting of pre-recorded emergency messages or live microphone usage
- ▶ Maximum RMS current of 10 mA

The Cooper Wheelock SAFEPATH4 SP-SVC Supervised Volume Control is used with the SP40/2 or SP40S Facility Communications Systems along with the SPB-80/4, SPB-160, or SPB-320 Audio Power Boosters to control the volume of a single speaker, multiple speakers, or an entire audio loop up to 35 W. An integrated override relay bypasses the volume attenuator in alarm conditions allowing the emergency notification message to be announced at maximum volume.



Notice

This model is recommended for use with 70.7 VRMS supervised audio systems, but can be used in 25.0 VRMS systems if the speaker load is reduced to 4 W.

Certifications and approvals

Cooper Wheelock, Inc. holds these Listings and Approvals:

Region	Certification	
USA	UL	UOQY: Emergency Communication and Relocation Equipment (UL864, 9th edition), UOXX: Control Unit Accessories, System (UL864, 9th edition)
	CSFM	see our website

Installation/configuration notes

Compatibility Information

The supervised volume control is compatible with the following SAFEPATH4 products:

Category	Product ID	Product Description
Communications Systems	SP40/2	Facility communications system (red)
	SP40/2-B	Facility communications system (black)
	SP40S	Facility communications system (red)
	SP40S-B	Facility communications system (black)

Power Boosters	SPB-80/4	Supervised audio power booster (80 W) with strobe power
	SPB-160	Supervised audio power booster (160 W)
	SPB-320	Supervised audio power booster (320 W)
Splitters	SP4-APS	Addressable paging splitter
	SP4Z-A/B	Supervised speaker audio splitter

i Notice
Do not use the supervised volume control on coded systems in which the applied voltage is cycled on and off.

Mounting Considerations

The supervised volume control can be mounted on a 3.5-inch deep double-gang box or on a 4-inch square box with a 1.5-inch deep extension ring and a double-gang ring.

i Notice
Orient the supervised volume control so that the number 5 is at the top.

Wiring Considerations

i Notice
Maximum wire impedance between devices cannot exceed 35 Ω.

The terminal block accepts up to eight wires (one for each terminal) from 18 AWG to 12 AWG (ISO 0.75 mm² to 4 mm²).

Parts included

Quantity	Component
1	Volume control
1	Literature – Installation Instructions

Technical specifications

Electrical

Current (RMS maximum):	10.0 mA
Voltage (input):	16.0 VDC or VRMS to 33.0 VDC or VRMS

Attenuation (Total – approximate)

Switch position 0:	OFF
Switch position 1:	-28
Switch position 2:	-25

Switch position 3:	-22
Switch position 4:	-19
Switch position 5:	-16
Switch position 6:	-13
Switch position 7:	-10
Switch position 8:	-7
Switch position 9:	-4
Switch position 10:	0

i Notice
Insertion loss is less than 0.5 dB.

Audio Power Ratings

Maximum Load at 25 VRMS:	4 W
Maximum Load at 70.7 VRMS:	35 W

Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information

SP-SVC Supervised Volume Control

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Order number **SP-SVC**

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