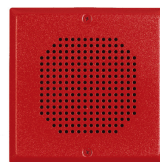


Series SA-S Supervised Self-Amplified Speakers and Speaker Strobes



Series
SA-S70-24MCW-FR



Series
SA-S70-R



Series
SA-S90-24MCC-FR

Description:

The Series SA-S Supervised Self-Amplified Speakers and Speaker Strobes are designed to meet the critical needs for the life safety industry. These speakers and speaker strobes are a perfect fit for SCIF (Sensitive Compartmented Information Facilities) room applications.

Features:

- Approvals Include: UL Standard 1480 (Speakers) and UL Standard 1971 and UL Standard 1480 (Speaker Strobes)
- Accepts audio input levels of 0.5 VRMS or 25 VRMS
- Power Input Voltage 16.0 to 33.0 VDC
- Wall or ceiling mount models
- Speaker strobes utilize Wheelock's synchronizable Multi-Candela Strobe
- 1 watt high efficiency speaker
- Frequency range of 400Hz to 4000Hz
- Mounts onto a 4" square deep backbox with an extension ring

Power Input Voltage: 16.0-33.0 VDC, regulated

Appliance Input Level: 0.5 V RMS or 25 V RMS
(Switch selectable)

Appliance Input Impedence: **0.5-V Setting:**
Greater than 400 Ohms, or equivalent to less than 1/1000 W (0.001 W or 1 mW) load

25-V Setting:
Greater than 20 kOhms, or equivalent to less than 1/32 W (.03125 W or 31.25 mW) load

Sound Level Speaker Amplifier Current Draw:

(Loudest) Level 6: < 120mA RMS
Level 5: < 97mA RMS
Level 4: < 80mA RMS
Level 3: < 68mA RMS
Level 2: < 60mA RMS
(Lowest) Level 1: < 54mA RMS

dB Sound Output			
Sound Level	SA-S90R SA-S90W SA-S70R SA-S70W	SA-S90-24MCC-FR SA-S90-24MCC-FW	SA-S70-24MCC-FR SA-S70-24MCC-FW
6	84	84	82
5	82	81	81
4	77	77	76
3	75	74	74
2	71	71	70
1	69	68	68

Specification and Ordering Information

Model Number	Order Code	Wall Mount	Ceiling Mount	Strobe Candela	Model Color Red	Model Color White	Mounting Options#	Agency Approvals
								UL
SA-S90-R	1000	-	X	-	X	-	Q,U,V	X
SA-S90-W	1001	-	X	-	-	X	Q,U,V	X
SA-S70-R	1002	X	-	-	X	-	C,O,P,Q,R,U,Y	X
SA-S70-W	1003	X	-	-	-	X	C,O,P,Q,R,U,Y	X
SA-S90-24MCC-FR	1004	-	X	15/30/75/95	X	-	Q,U,V	X
SA-S90-24MCC-FW	1005	-	X	15/30/75/95	-	X	Q,U,V	X
SA-S70-24MCW-FR	1006	X	-	15/30/75/110	X	-	C,O,P,Q,R,U,Y	X
SA-S70-24MCW-FW	1007	X	-	15/30/75/110	-	X	C,O,P,Q,R,U,Y	X

Average Strobe Current

SA-S70-24MCW-FR and SA-S70-24MCW-FW UL Strobe Current Ratings				
Rated Average Current (RMS)				
Voltage	15cd	30cd	75cd	110cd
24.0 VDC	0.041	0.063	0.109	0.140
UL Max*	0.060	0.092	0.165	0.220
24.0 VRMS	0.079	0.114	0.179	0.235
UL Max*	0.102	0.155	0.253	0.347

SA-S90-24MCC-FR and SA-S90-24MCC-FW UL Strobe Current Ratings				
Rated Average Current (RMS)				
Voltage	15cd	30cd	75cd	95cd
24.0 VDC	0.045	0.070	0.119	0.159
UL Max*	0.065	0.105	0.189	0.249
24.0 VRMS	0.085	0.125	0.200	0.255
UL Max*	0.110	0.170	0.280	0.375

Architects and Engineers Specifications

The Series SA-S Self-Amplified Speakers and Speaker Strobes shall be UL Listed under Standards UL 1480 (Standard for Speakers for Fire Alarm, Emergency, and Commercial and Professional Use). The Speaker Strobe models shall be UL Listed under Standards UL 1971 (Standard for Signaling Devices for the Hearing Impaired) and for indoor fire protection service.

The Series SA-S Self-Amplified Speakers and Speaker Strobes shall provide a choice of 6 different sound output levels and operate with audio input levels of 0.5 V RMS and 25 V RMS, all by means of selectable switch settings.

The Series SA-S Self-Amplified Speakers and Speaker Strobes shall incorporate a high efficiency speaker for maximum output at minimum power across a frequency range of 400Hz to 4000Hz, and feature a sealed back construction for extra protection and improved audibility. All inputs shall be polarized for compatibility with standard reverse polarity supervision of circuit wiring via a Control Panel.

The SA-S Series Multi-Candela Speaker Strobe models shall offer four selectable light output intensities in one unit and can provide a non synchronized strobe appliance when connected directly to a Fire Alarm Control Panel (FACP), or provide a synchronized strobe appliance when used in conjunction with a Dual Sync Module (DSM) or Wheelock's Power Supplies listed for synchronization.

The ceiling mount Speaker Strobe models shall provide 15/30/75/95 candela options. The wall mount Speaker Strobe models shall provide 15/30/75/110 candela options. All strobe candela options shall be field selectable via a tamper resistant selector switch.

The Strobe uses a Xenon flashtube with solid-state circuitry enclosed in a rugged Lexan® lens to provide maximum visibility and reliability for effective visible signaling.

The SA-S Series shall be listed for indoor use.

Lexan® is a registered trademark of General Electric Corporation.



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