POTTER SSC Series Select A Strobe Speaker Combination Owner's Manual

Contents

POTTER SSC Series Select A Strobe Speaker Combination

SC/SSC25/70-3075110

SELECT-A-STROBE/SPEAKER COMBINATION

- ADA/NFPA/ANSI compliant

- Screw terminal capacity up to AWG #12

- RBX-1 back box skirt for surface mount (optional)

- Available in red or white housing

- All models mount to 4" back box

- Speaker is UL 1480 listed for fi re protective service

- Speaker fi eld selectable wattage from ¼, ½, 1, and 2 Watts

- Speaker is available in 25V RMS or 70.7V RMS models

- Speaker frequency range 400 to 4000 Hz

- Strobe is UL listed for ceiling and wall mount

- Strobe has three fi eld selectable settings: 30,75, or 110cd

- Polarized strobe is operable with 24V regulated DC or FWR (16-33V)

- Synchronization requires SMD10-3A Sync Module

Amseco's ceiling and wall mount fi re alarm Select-A-Strobe/Speaker Series are designed to generate attention grabbing tones and voice commands for emergency signaling evacuation applications. These highly effi cient, low profi le speakers are available with fi eld selectable taps ¼, ½, 1, and 2 Watts. The speakers are available in two input voltage models, 25V RMS and 70.7V RMS and can be installed on a standard 4" square back box. The strobe features a unique candela intensity fi eld selector switch for alternating the candela ouput to 30cd, 75cd, or 110cd, and is polarized for connecting to supervise fi re alarm circuits. The strobe housing is clearly labeled with "FIRE" lettering and is designed with a xenon fl ash tube and provides a candela intensity fi eld selector switch for maximum performance.

The series can be synchronized by using the SMD10-3A (daisy chain) Sync Module to comply with NFPA recommendations concerning photosensitive epilepsy when installing two or more visual appliances within the fi eld of view. The strobe signals are designed for non-sleeping areas and are listed for indoor use.
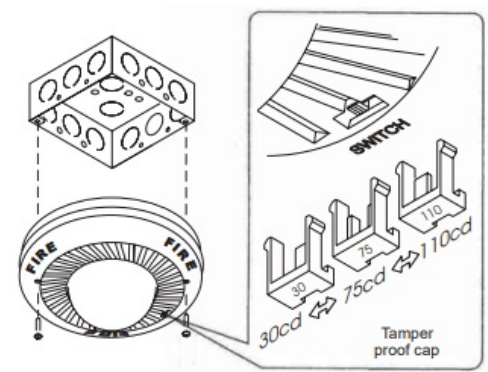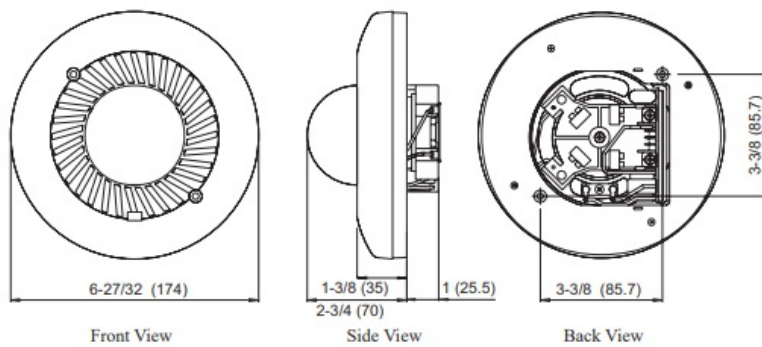
Ordering Information

Model Number	Stock Number	Housing Color	Speaker Voltage	Input Voltage	Operating Volt-age Range	Selectable Strobe Out-put (cd)	Flash Rate	Mounting Type	Operating Temperature Range
SC-25R	4660001	Red	25V RMS	N/A	N/A	N/A	N/A	Ceiling and Wall	32°F – 120°F (0°C – 49°C)
SC-25W	4660002	White							
SC-70R	4660003	Red	70.7V RMS						
SC-70W	4660004	White							
SSC25-3075110R	4660007	Red	25V RMS	Regulated 24V DC/ WR	16-33V DC	30,75,110	60 times/ min.		
SSC25-3075110W	4660008	White							
SSC70-3075110R	4660011	Red	70.7V RMS		16-33V FWR				
SSC70-3075110W	4660012	White							

Engineering Specifications

The speaker and visual alarm indicating appliance shall be Amseco Model SSC25-3075110 or SSC70-3075110 or equivalent device. The speaker shall be listed under UL 1480 standards for audible and voice communications and shall be approved for fi re protective service. The fi re alarm speaker shall be capable of reproducing alarm tones or voice commands on 25V RMS or 70.7V RMS. Speakers shall provide incremental tap settings of ¼, ½, 1, or 2 Watts. They shall have a frequency range of 400 to 4000 Hz and produce UL sound pressure level at 10 feet up to 84dBA. The speaker shall be approved for fi re alarm signaling use. The strobe shall be listed under UL 1971 standard for signaling devices for the hearing impaired and shall be approved for fi re protection service. The candela ouput shall be fi eld selectable, having three settings of 30cd, 75cd, or 110cd. The signaling strobe shall operate on 24V DC from a non-coded, regulated DC supply or full-wave rectifi ed, unfi ltered supply. The strobe shall be designed to produce one signal fl ash per second with continuously applied minimum voltage. The strobe may have a SPC-1 universal back mounting plate, capable of ceiling or wall mounting to a back box. When strobe synchronization is required, the strobe shall be compatible with the Amseco SMD10-3A (daisy chain) or other source of Amseco sync protocol. Signaling devices shall be installed in accordance with current NFPA guidelines.

Dimensions

inches (mm)

Front View   6-27/32 (174)
Side View   1-3/8 (35)   2-3/4 (70)   1 (25.5)
Back View   3-3/8 (85.7)   3-3/8 (85.7)

Tamper proof cap   30cd   75cd   110cd

Speaker Specifications								
Voltage	25V RMS				70.7V RMS			
Input Power (Watts)	¼	½	1	2	¼	½	1	2
Impedance (k Ohms)	2.5	1.25	0.62	0.31	20	10	5	2.5
Sound Pressure (dB/10ft)	75	78	81	84	75	78	81	84
Frequency Response	400 – 4000 Hz							
Low Frequency Cut-Off	200 Hz							

Strobe Light	Maximum RMS Operating Current (mA)	
	Regulated 24V DC (Typical)	Regulated 24V FWR (Typical)
30cd	116 (85)	162 (130)
75cd	172 (124)	236 (185)
110cd	234 (160)	294 (230)

UL Required Minimum Light Output		Ceiling Mount		
		30cd	75cd	110cd
DEGREES	0	30.00	75.00	110.00
	5-25	27.00	67.50	99.00
	30-45	22.50	56.25	82.50
	50	16.50	41.25	60.50
	55	13.50	33.75	49.50
	60	12.00	30.00	44.00
	65-70	10.50	26.25	38.50
	75-80	9.00	22.50	33.00
	85-90	7.50	18.75	27.50
	Compound 45	7.20	18.00	26.40

Wiring Diagram
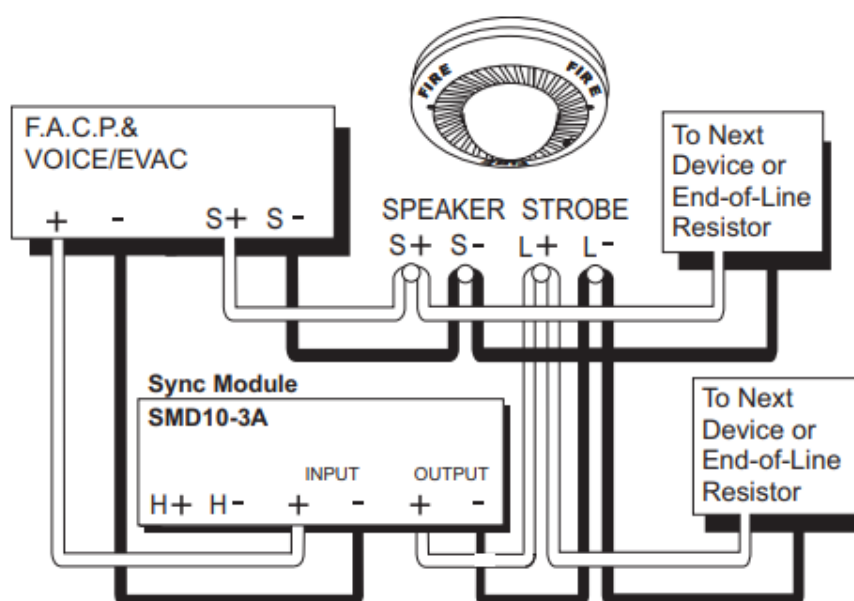
Mounting
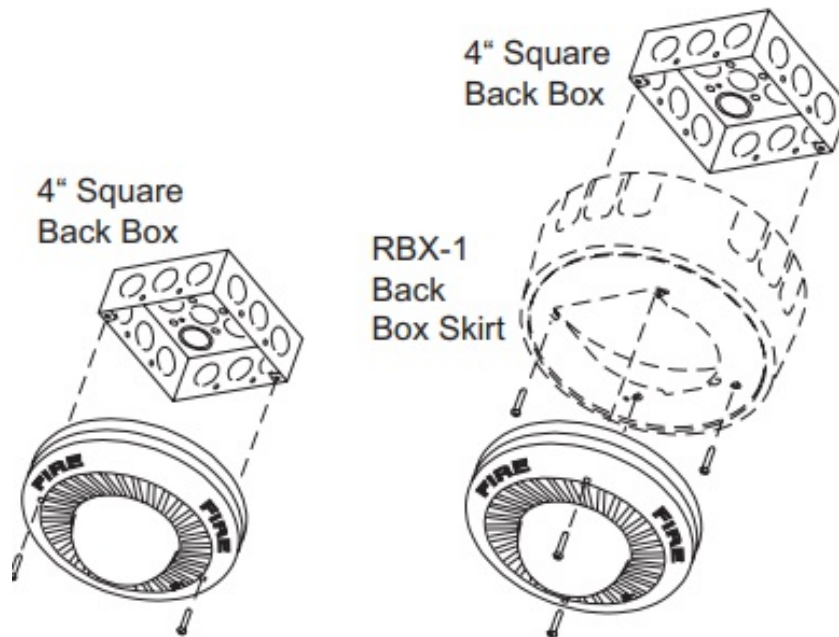
Potter Electric Signal Company
2081 Craig Road, St. Louis, MO, 63146-4161
Phone: 800-325-3936/Canada 888-882-1833
www.pottersignal.com
firealarmresources.com

Documents / Resources

POTTER SSC Series Select A Strobe Speaker Combination [pdf] Owner's Manual
SSC Series Select A Strobe Speaker Combination, SSC Series, Select A Strobe Speaker Combination, Speaker Combination

References

- 🔥 **Fire Alarm Resources | Download fire alarm documents**
- Ⓟ **Potter Electric: Fire Alarms & Fire Sprinkler Systems**