amseco
A ⓟ POTTER Brand

SFH47-1530
SPEAKER/SELECT-A-STROBE COMBINATION

UL LISTED · MEA · ADA

- Designed to meet or exceed NFPA/ANSI Standards and ADA accessibility guidelines
- UL Listed for fire protective service
- Field selectable taps from ¼ W - 2 Watts
- UL Listed for wall or ceiling mount
- Available in 25V RMS and 70.7V RMS
- Screw terminals capacity up to AWG12
- Frequency range 400 Hz - 4000 Hz
- Selectable 15/30 candela or 110 candela model
- Polarized strobes with wide listed voltage ranges using filtered DC or unfiltered FWR input voltage
- Meets ADA guidelines for minimum one flash/sec (1Hz)
- All models mount to 4" back box
- Strobes are 24V DC polarized
- Synchronization requires SMD10-3A Sync Module
- Stickers show selected candela rating

Amseco's low profile fire alarm speakers are designed to generate attention grabbing tones and voice commands for emergency signaling evacuation applications. These highly efficient speakers are available with field selectable taps from ¼" W - 2 Watts. They are available in two input voltage models, 25V RMS and 70.7V RMS, and can be installed on a standard 4" x 4" x 1½" electrical backbox without the need of an extension ring. The SFH47 Series Speaker/Strobes are designed with the new and exclusive Select-A-Strobe. The housing is clearly labeled with "FIRE" lettering and is polarized for connecting to supervised fire alarm circuits. The strobe is designed with a xenon flash tube and provides a candela intensity field selector switch for maximum perfomance. The Speaker/Strobe Series is available in red or white housing, selectable 15/75, 30/120, and 110 cd models.

The strobe can be synchronized by using the SMD10-3A Sync Module to comply with NFPA recommendations concerning photosensitive epilepsy when installing two or more visual appliances within the field of view. The strobe signals are listed for indoor use, ceiling or wall mount, under UL 1971 standard.
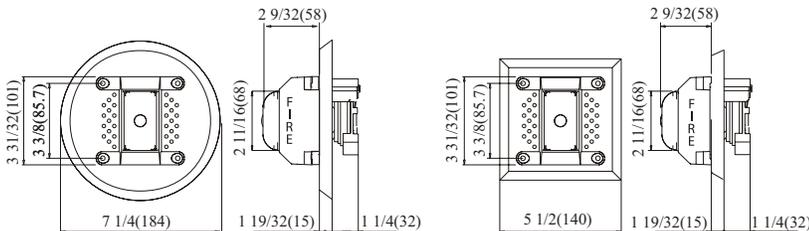
Speaker Specifications

Rated Input Voltage (V RMS / 1kHz)	25V				70.7V			
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 Level (dB/10ft)	75	78	81	84	75	78	81	84
Frequency Response (Hz)	400-4000							
Low Frequency Cut-off (Hz)	200							
Operating Temperature Range	32°F - 120°F (0°C - 49°C)							

Strobe Current Draw Table

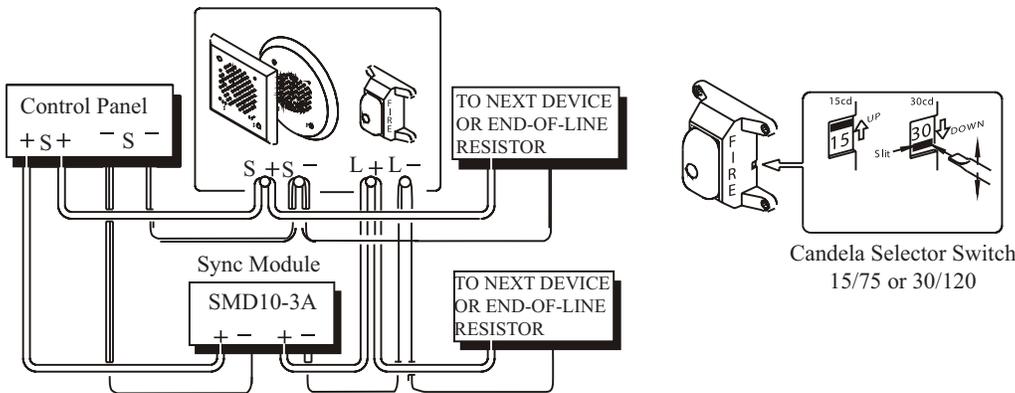| Strobe Light	Maximum RMS Current (mA)	
	Regulated 24V DC (Typical)	Regulated 24V DC FWR (Typical)
15 cd	115 (83)	162 (117)
30 cd	172 (112)	232 (155)

Dimensions: inches (mm)

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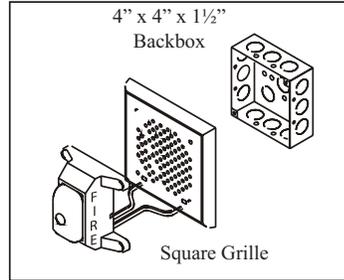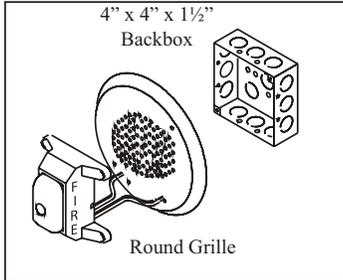
Ordering Information

Model Number	Voltage Rating (V RMS)	Strobe Candela (Selectable)	Selectable Wattage	Grille Type	Grille Color
SFH47-153075R-25S	25	15/75 or 30/120	¼,½,1,2	Square	Red
SFH47-153075W-25S	25	15/75 or 30/120	¼,½,1,2	Square	White
SFH47-153075R-25R	25	15/75 or 30/120	¼,½,1,2	Round	Red
SFH47-153075W-25R	25	15/75 or 30/120	¼,½,1,2	Round	White
SFH47-153075R-70S	70.7	15/75 or 30/120	¼,½,1,2	Square	Red
SFH47-153075W-70S	70.7	15/75 or 30/120	¼,½,1,2	Square	White
SFH47-153075R-70R	70.7	15/75 or 30/120	¼,½,1,2	Round	Red
SFH47-153075W-70R	70.7	15/75 or 30/120	¼,½,1,2	Round	White
SFH47-153075R-25S	25	110	¼,½,1,2	Square	Red
SFH47-153075W-25S	25	110	¼,½,1,2	Square	White
SFH47-153075R-25R	25	110	¼,½,1,2	Round	Red
SFH47-153075W-25R	25	110	¼,½,1,2	Round	White
SFH47-153075R-70S	70.7	110	¼,½,1,2	Square	Red
SFH47-153075W-70S	70.7	110	¼,½,1,2	Square	White
SFH47-153075R-70R	70.7	110	¼,½,1,2	Round	Red
SFH47-153075W-70R	70.7	110	¼,½,1,2	Round	White

Wiring Diagram

The sync module is rated for 3.0 amperes at 24V DC.

Candela Selector Switch
15/75 or 30/120

Mounting

4" x 4" x 1½"
Backbox

Round Grille

4" x 4" x 1½"
Backbox

Square Grille

⚠WARNING

Strobes must be used only on circuits with continuously operating voltage, DO NOT use strobe on coded or interrupted circuits in which the applied voltage is interrupted ON and OFF as the strobe may fail to flash. The strobe applied voltage must be within its rated input voltage range. Fuse ratings on signaling circuits must handle peak currents from all devices connected to thos circuits.

Engineering Specifications

The fire 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, and 2 Watts and shall be selected by means of a jumper wire. The speaker shall have a frequency range of 400 to 4000 Hz and shall have an operating temperature between 14°F and 140°F. It shall produce a UL sound pressure level at 10 feet up to 84dB and be approved for fire alarm signaling use. The strobe shall be listed under UL 1971 standard for signaling devices for the hearing impaired and shall be approved for fire protective service. The candela output shall be field selectable, having a dual setting of 15/75 cd or 30/120 cd output. The signaling strobe shall operate on 24V DC from a non-coded regulated DC supply, or full-wave rectified unfiltered supply. The strobe shall be designed to produce a signal flash of one flash per second with continuously applied minimun voltage. The SFH47 shall be capable of wall or ceiling mounting. The visual signaling devices are to be installed in all non-sleeping/corridor and sleeping areas as per plans and specifications.