

SFH45-75110 SPEAKER/SELECT-A-STROBE COMBINATION



- Designed to meet or exceed NFPA/ANSI Standards and ADA accessibility guidelines
- Mounts to 4" square back box
- Field selectable taps from 2, 4, and 8 Watts
- UL Listed for wall or ceiling mount
- Available in 25V RMS and 70.7V RMS
- Screw terminals capacity up to AWG12
- Two field selectable settings: 75 or 110 cd
- Tamper-proof candela selector switch
- Polarized strobes with wide operating voltage ranges using filtered or unfiltered FWR input voltage
- Synchronization requires the SMD10-3A Sync Module
- Available in red or white housing



Amseco's low profile fire alarm speakers are designed to generate attention grabbing tones and voice commands for emergency signaling evacuation applications.

The SFH45-75110 Series are designed with the exclusive Select-A-Strobe, which features a unique candela intensity field selector switch for alternating the candela output 75cd to 110cd. The strobe housing is clearly labeled with vertical "FIRE" lettering. The strobe is polarized for connecting to supervised fire alarm circuits. It is also designed with a xenon flash tube and provides a candela intensity field selector switch for maximum performance. These highly efficient low profile speakers are available with field selectable taps from 2 - 8 Watts. The speakers are available in two input voltage models of 25 and 70.7V RMS.

The SFH45-75110 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, wall mount, under UL 1971 standard.

Ordering Information

Model Number	Stock Number	Speaker Voltage (V RMS)	Strobe Voltage (VDC)	Strobe Candela (Selectable)	Selectable Wattage	Flash Rate (Per Minute)	Grille Type	Grille Color
SFH45-75110R-25S	4650014	25	24	75 or 110	2,4,8	60	Square	Red
SFH45-75110W-25S	4650018	25	24	75 or 110	2,4,8	60	Square	White
SFH45-75110R-25R	4650013	25	24	75 or 110	2,4,8	60	Round	Red
SFH45-75110W-25R	4650017	25	24	75 or 110	2,4,8	60	Round	White
SFH45-75110R-70S	4650016	70.7	24	75 or 110	2,4,8	60	Square	Red
SFH45-75110W-70S	4650020	70.7	24	75 or 110	2,4,8	60	Square	White
SFH45-75110R-70R	4650015	70.7	24	75 or 110	2,4,8	60	Round	Red
SFH45-75110W-70R	4650019	70.7	24	75 or 110	2,4,8	60	Round	White

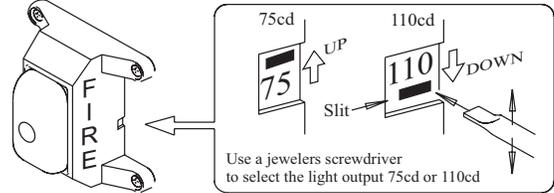
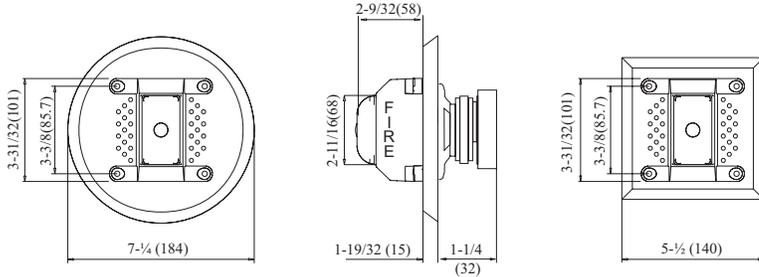
Engineering Specifications

The speaker and visual alarm indicating appliance shall be Amseco model SFH45-75110 or equivalent device, and shall be listed under UL 1480 standard for audible and voice communications approved for fire protective service. 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 2, 4, and 8 Watts, and have a frequency range of 400 to 4000 Hz. They shall produce a UL sound pressure level at 10 feet up to 96dBA. The strobe shall be listed under UL 1971 standard for signaling devices for the hearing impaired and shall be approved for fire protection service. The candela output shall be field selectable, having a dual setting of 75cd or 110cd intensity 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 one signal flash per second with continuously applied minimum voltage. The speaker is capable of ceiling or wall mounting to a 4" x 4" deep 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. Audible and signaling devices shall be installed in accordance with current NFPA guidelines.

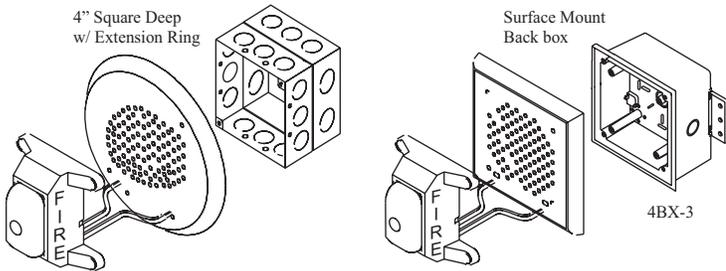
SFH45-75110

SPEAKER/SELECT-A-STROBE COMBINATION

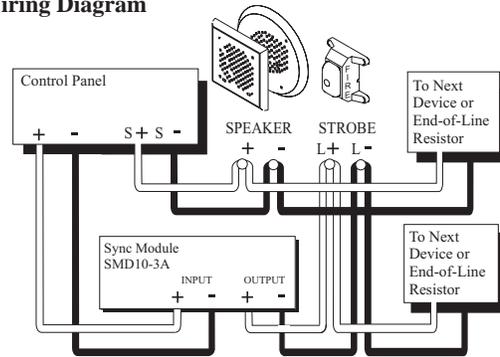
Dimensions: inches (mm)



Installation



Wiring Diagram



UL Required Min. Light Output	Horizontal		Vertical	
	75cd	110cd	75cd	110cd
0	75.00	110.00	75.00	110.00
5-25	67.50	99.00	67.50	99.00
30	56.25	82.50	67.50	99.00
35	56.25	82.50	48.75	71.50
40	56.25	82.50	34.50	50.60
45	56.25	82.50	25.50	37.40
50	41.25	60.50	20.25	29.70
55	33.75	49.50	16.50	24.20
60	30.00	44.00	13.50	19.80
65	26.25	38.50	12.00	17.60
70	26.25	38.50	11.25	16.50
75	22.50	33.00	9.75	14.30
80	22.50	33.00	9.00	13.20
85-90	18.75	27.50	9.00	13.20
Compound 45	18.00	26.40	18.00	26.40

Speaker Specifications	Rated Input Voltage (V RMS)	25V			70.7V		
		2W	4W	8W	2W	4W	8W
Input Power (Watts)		2W	4W	8W	2W	4W	8W
Impedance (Ohms)		310	156	78	2.5K	1250	620
Sound Pressure (dB/10ft)		87	90	90	87	87	90
Frequency Response (Hz)		400-4000					
Low Frequency Cut-off (Hz)		200					
Operating Temperature Range		14°F - 140°F (-10°C - 60°C)					

Under CAN/ ULC 526	ULC Current (mA)	
	Regulated 24V DC	Regulated 24V FWR
75cd	264	596
110cd	324	732

Strobe Light	Max. RMS Operating Current (mA)	
	Regulated 24V DC (Typical)	Regulated 24V FWR (Typical)
75cd	260 (190)	368 (249)
110cd	387 (250)	489 (320)

WARNING

High voltage may be present inside the light assembly even though power is not connected. If access to the component board is required, the capacitor must be discharged by touching a wire to both ends of the flashtube. DO NOT attempt to touch or remove the assembly until the capacitor has been discharged. Indoor use only.