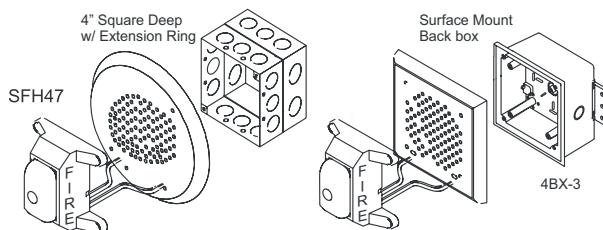


Description

The low profile fire alarm speakers are designed to generate attention grabbing tones and voice commands for emergency signaling evacuation applications. The SFH47-75110 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. The strobe is also designed with a xenon flashtube and provides a candela intensity field selector switch for maximum performance. These highly efficient low profile speakers are available with field selectable taps from 1/4 ~ 2 watts. The speakers are available in two input voltage models of 25 and 70.7V RMS.

The SFH47-75110 can be synchronized by using the SDM-240 Sync Module to comply with NFPA recommendations concerning photosensitive epilepsy when installing 2 or more visual appliances within the field of view. The strobe signals are listed for indoor use, wall mount, under UL 1971 standard.

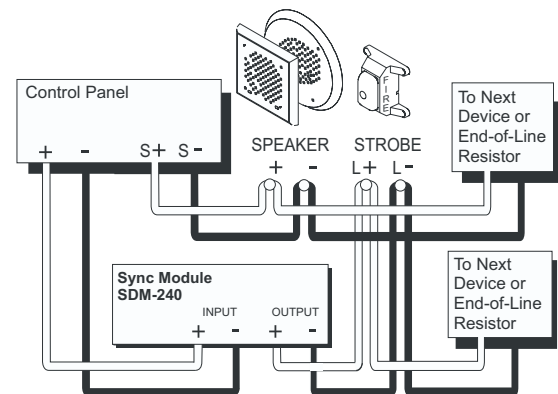
Mounting



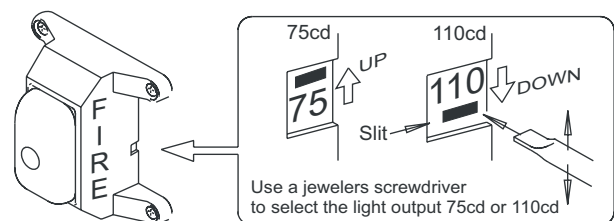
Features

- Meets or exceeds NFPA/ANSI Standards and ADA Accessibility Guidelines
- UL listed for ceiling or wall mount
- Meets ADA guidelines for minimum 1 flash/sec (1Hz)
- Field selectable taps from 1/4 ~ 2 watts
- Available 25V RMS and 70.7V RMS models
- Screw terminals capacity up to AWG#12
- Two field selectable settings: 75cd, 110cd
- Polarized strobes with wide operating voltage range using filtered DC or unfiltered FWR input voltage
- Mounts to 4" square back box
- Tamper-proof candela selector switch
- Synchronization requires Sync Module (SDM-240)
- Available in red or white housing

Typical Wiring Diagram



Strobe Selectable Candela Output



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 move the assembly until the capacitor has been discharged. Indoor use ONLY.



Engineer Specifications

The speaker and visual alarm indicating appliance shall be model SFH47-75110 or equivalent device. The speaker shall be listed under UL 1480 Standard for audible and voice communications and shall be approved for fire protective service. The fire alarm speaker shall be capable of reproducing alarm tones or voice commands on 25V RMS or 70V RMS. Speakers shall provide incremental tap settings of ¼, ½, 1, 2 watts, shall have a frequency range of 400 to 4,000 Hz, and shall produce UL sound pressure level at 10 feet up to 84 dBA. The strobe shall be listed under UL 1971 Standard for signalling devices for the hearing impaired and shall be approved for fire protection service. The candela output shall be field selectable, having dual setting of 75 cd or 110 cd intensity output. The signalling strobe shall operate on 24 VDC 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 SDM-240 (daisy chain) or other source of sync protocol. Audible and signalling devices shall be installed in accordance with current NFPA guideline.

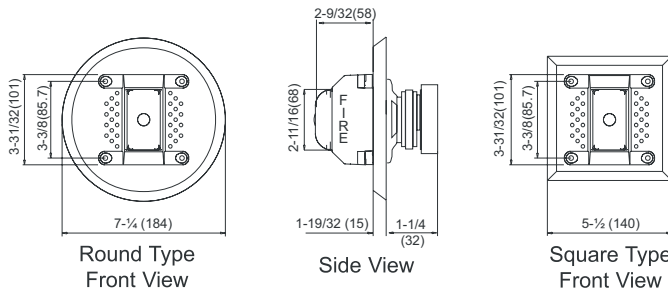
Specifications

Strobe Light	Max. RMS Operating Current (mA)		Under CAN/ULC 526	ULC Current	
	Regulated 24V DC	Regulated 24V FWR		Regulated 24V DC	Regulated 24V FWR
75cd	260	368	75cd	264	596
110cd	387	489	110cd	324	732

UL Required Minimum Light Output (cd)

Degrees	Wall Mount Horizontal		Wall Mount Vertical	
	@ 75 cd	@ 110 cd	@ 75 cd	@ 110 cd
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
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

Dimensions



Speaker Specifications

Rated Input Voltage (V RMS)	25V RMS				70.7V RMS			
	Input Power (watts)	¼	½	1	2	¼	½	1
Impedance (ohms)	2.5k	1250	620	310	20k	10k	5k	2.5k
Sound Pressure Level (dB/10ft)	75	78	81	84	75	78	81	84
Frequency Response	400 ~ 4000 Hz							
Low Frequency Cutoff	200 Hz							
Operating Temperature Range	14°F ~ 140°F (-10°C ~ 60°C)							

Ordering Information

Model Number	Housing Colour	Grill Type	Voltage Rating (V RMS)	Input Voltage	Operating Voltage Range	Strobe Candela	Sync Module	Selectable Wattage	Temperature Operating Range
SFH47-75110R-25S	Red	Square	25	Regulated 24V DC/ FWR	16~33VDC 16~33VFWR	75 or 110	SDM-240	¼, ½, 1, 2	32°F ~ 120°F (0°C ~ 49°C)
SFH47-75110W-25S	White								
SFH47-75110R-25R	Red	Round							
SFH47-75110W-25R	White								
SFH47-75110R-70S	Red	Square	70.7	Regulated 24V DC/ FWR	16~33VDC 16~33VFWR	75 or 110	SDM-240	¼, ½, 1, 2	32°F ~ 120°F (0°C ~ 49°C)
SFH47-75110W-70S	White								
SFH47-75110R-70R	Red	Round							
SFH47-75110W-70R	White								

NOT TO BE USED FOR INSTALLATION PURPOSES.



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