

Mircom FS-240R110/FS-240W110 Select-A-Strobe Series



Description

The Select-A-Strobe Series is designed to comply with the Americans with Disability Act (ADA) and meet UL standard 1971 requirements for emergency signaling devices for the hearing impaired.

The Select-A-Strobe FS-240R110/FS-240W110 series 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.

The FS-240R110/FS-240W110 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.

Engineering Specifications

The visual alarm indicating appliance shall be model FS-240R110/FS-240W110 or equivalent device. The Strobe shall be listed under UL 1971 Standard for signaling devices for the hearing impaired and shall be approved for fire protective service. For outdoor applications and in UL NEMA 4X rated or UL Haz Dust Tight conditions use UL/Ulc ESH-1229/1229HTR polycarbonate covers. The candela output shall be field selectable, having a dual setting of 75cd or 110cd output. The signaling Strobe shall operate on 24VDC 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 Strobe shall have a universal back mounting plate, capable of WALL mounting to a back box. When strobe synchronization is required, the Strobe shall be compatible with the SDM-240 (daisy chain) or other source of sync protocol. Visual signaling devices shall be installed in accordance with current NFPA guideline.

Features

- Meets or exceeds NFPA/ANSI Standards and ADA
- Accessibility Guidelines
- UL listed for wall mounting
- Screw terminal capacity up to AWG#12
- Universal mounting plate included
- 24V DC strobe with 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, single gang, double gang or octagonal back box
- Tamper-proof candela selector switch
- Synchronization requires Sync Module (SDM-240)
- Available in red or white housing

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
35	56.25	82.50	48.75	71.50
40	56.25	82.50	34.50	50.60
45	56.25	82.50	34.50	50.60
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	-	-

Specifications

Strobe Light	Max. RMS Operating Current (mA)	
	Regulated 24V DC	Regulated 24V FWR
75cd	137	190
110cd	189	256

Under ULC 525/526	ULC Current @ 24VDC (mA)
75cd	93
110cd	120



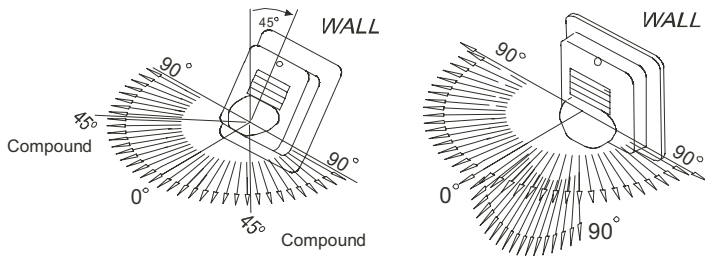
S6523



S7666



Light Output Distribution



Sound Output Dispersion (dB)

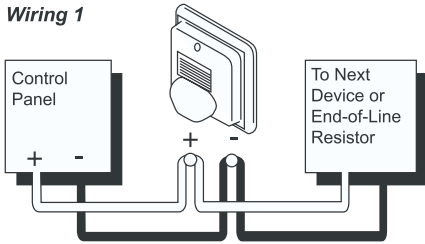
Degrees	Wall Mount Horizontal	Wall Mount Vertical
+90	-6 dB	-3 dB
+60	-2 dB	-2 dB
+30	-1 dB	-1 dB
0	0 dB	0 dB
-30	-1 dB	-3 dB
-60	-2 dB	-5 dB
-90	-6 dB	-6 dB

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 applied voltage must be within its rated input voltage range.
- Fuse ratings on signaling circuits must handle peak currents from all devices connected to those circuits.

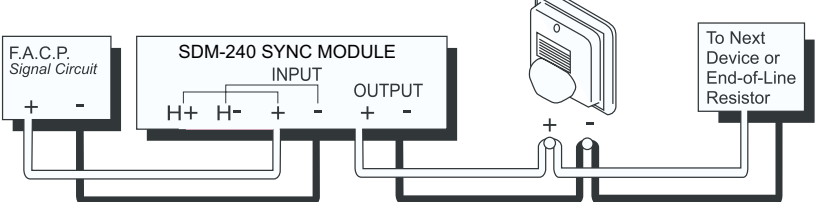
Wiring Diagram

Wiring 1

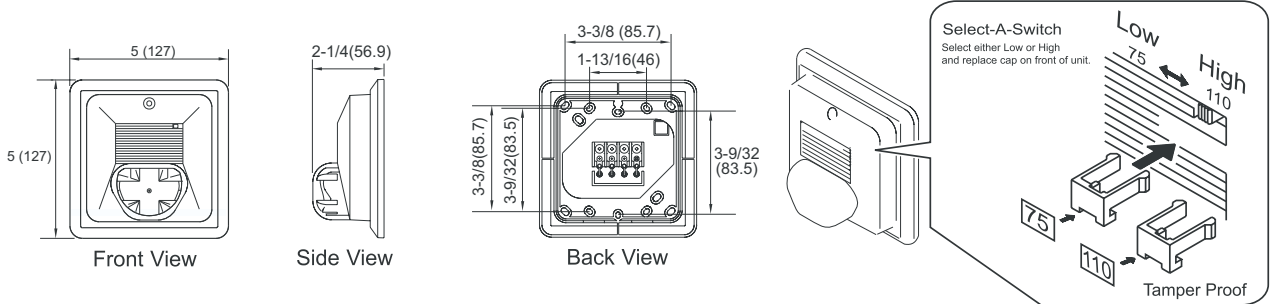
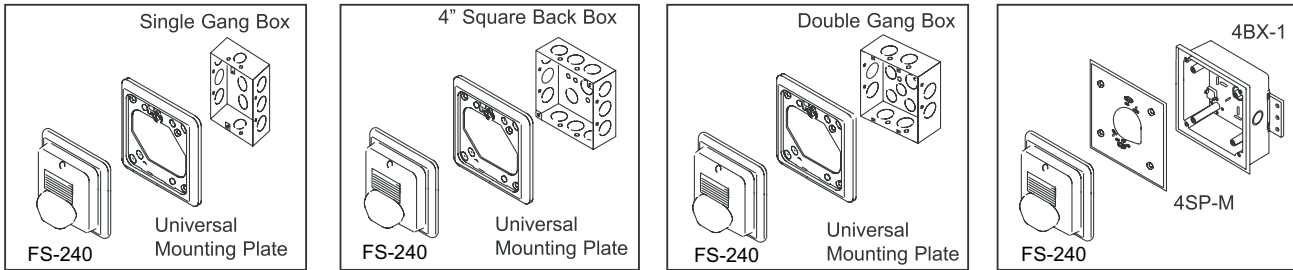


Wiring 2

Wiring Diagram using the Sync Module



Mounting Options & Dimensions



Ordering Information

Model Number	Housing Color	Input Voltage	Operating Voltage Range	Selectable Strobe Output (cd)	Flash Rate	Wiring Type	Mounting Type	Sync Module	Temperature Operating Range
FS-240R110	Red	Regulated 24V DC/FWR	16 ~ 33VDC	75 or 110	60 times/min	Terminals	Wall Mount	SDM-240	32°F ~ 120°F (0°C~49°C)
FS-240W110	White		16 ~ 33VFWR						