



- UL Listed for ceiling and wall mounting
- ADA/NFPA/ANSI compliant
- 177cd intensity output
- Polarized strobes with wide operating voltage range using filtered DC or unfiltered FWR input voltage
- Mounts to 4" square back box
- Screw terminal capacity up to AWG12
- Synchronization requires Sync Module (SMD10-3A)
- Designed for use in sleeping and non-sleeping areas
- Available in red or white housing

This ceiling and wall mount strobe is designed to comply with the Americans with Disabilities Act (ADA) and meet UL Standard 1971 requirements for emergency signaling devices for the hearing impaired.

The SL24C-177 has a round housing design that offers a low profile appearance and is clearly labeled with "FIRE" lettering that can be viewed from all angles. These appliances are polarized for connecting to

supervised fire alarm circuits. The strobe is designed with a xenon flash tube that provides a 177cd intensity output for maximum performance. The SL24C-177 can be synchronized by using the SMD10-3A (daisy chain) Sync Module to comply with NFPA recommendations concerning photosensitive epilepsy when installing more than two visual appliances within the field of view.

Ordering Information

Model Number	Stock Number	Housing Color	Input Voltage	Operating Voltage Range	Max. RMS	Strobe Output (cd)	Flash Rate	Mounting Type	Sync Module	Operating Temperature Range
SL24C-177R	4570005	Red	Regulated 24V DC/ FWR	16 - 33V DC 16 - 33V FWR	347 (typical 240)	177	60 times/ min.	Ceiling and Wall Mount	SMD10-3A	32°F - 120°F (0°C - 49°C)
SL24C-177W	4570006	White			437 (typical 345)					

Engineering Specifications

The visual alarm indicating appliance shall be Potter Model SL24C-177 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 Potter UL/ULC ESH1229 polycarbonate covers. The candela output shall be field 177cd 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 strobe may have a SPC-1 universal back mounting plate, capable of ceiling and wall mounting to a back box. When strobe synchronization is required, the strobe shall be compatible with Potter SMD10-3A (daisy chain) or other source of Potter sync protocol. Visual signaling devices shall be installed in accordance with current NFPA guidelines.

Specifications

Strobe Light Only	Max. RMS operating Current (mA)	
	Regulated 24V DC	Regulated 24V FWR
177cd	359 (typical 278)	452 (typical 389)

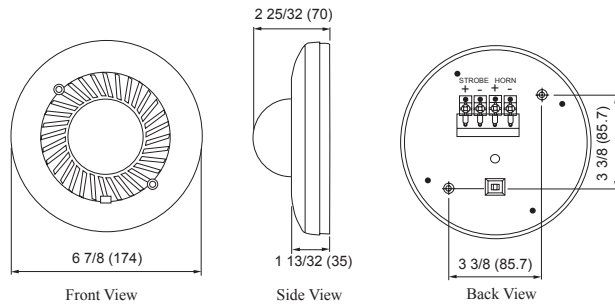
DEGREES	Sound Output Dispersion (dB)	Horizontal	Vertical
	+90	-2	-5
+60	0	-2	
+30	1	-1	
0	0	0	
-30	-2	-1	
-60	-3	-2	
-90	-6	-5	

DEGREES	UL Required Minimum Light Output	Ceiling Mount
0		177.00
5-25		159.30
30-45		132.75
50		97.35
55		79.65
60		70.80
65-70		61.95
75-80		53.10
85-90		44.25
Compound 45		42.45

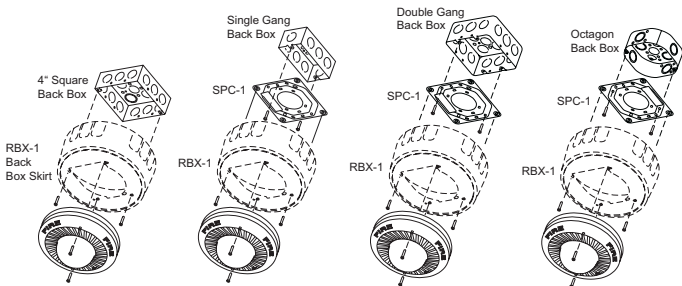
WARNING

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.

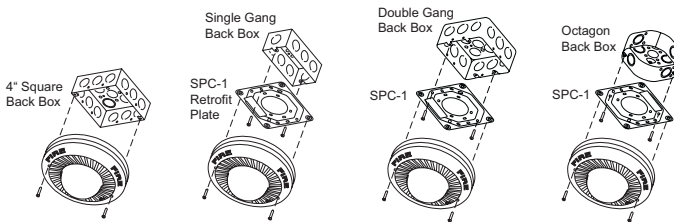
Dimensions



Optional Surface Mounting
(using RBX-1 back box skirt and SPC-1 retrofit plate)



Optional Mounting (using SPC-1 retrofit plate)



Wiring Diagram

