



Field Selectable Amber Lens Strobe

The System Sensor SpectrAlert® Advance SW-ALERT and SWH-ALERT amber lens strobes provide the distinctive visual signal used for mass notification during non-fire evacuations.



SPECTRAlert
ADVANCE
From System Sensor

Features

- Electrically compatible with existing SpectrAlert products
- Automatic selection of 12- or 24-volt operation at 15 and 15/75 candela
- Plug-in design
- Amber lens strobe
- White plastic housing with ALERT clearly visible in red letters
- Field selectable candela settings of 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, 185 (please refer to Table 2 for equivalent candela ratings for UL1971)
- Rated for 32°F to 120°F (0°C to 49°C)
- Housing can be mounted to either wall or ceiling
- Shorting spring on mounting plate for continuity check before installation
- Tamper resistant construction with Torx head mounting screw
- Design allows minimal intrusion into the back box
- Compatible with System Sensor synchronization protocol

The System Sensor SpectrAlert Advance SW-ALERT and SWH-ALERT strobes are designed with an amber colored lens

mounted in a white housing to allow visual signaling for mass notification in compliance with ANSI/UL1638 – Standard for General Signaling Visible Appliances.

The SW-ALERT and SWH-ALERT amber lens strobes provide simple installation and instant compatibility with SpectrAlert Advance synchronized systems. Their features include plug-in design and 11 field selectable candela settings.

These strobes are indoor products that attach to universal mounting plates connected to a four-inch square, four-inch octagon, single-gang, or double-gang junction boxes. The circuit is wired to the SEMS terminals on the mounting plate. The device will rotate into position, locking the product's pins into the mounting plate's terminals. The device will temporarily hold in place with a catch until it is secured with a captured mounting screw.

Agency Listings



SpectrAlert® Advance SW-ALERT and SWH-ALERT Amber Lens Strobe Specifications

Architectural/Engineering Specifications

General

The SW-ALERT and SWH-ALERT amber lens strobes shall mount to a standard 4 x 4 x 1½-inch back box, 4 inch octagon back box, single-gang or double-gang back box. A universal mounting plate shall be used for mounting. The notification appliance circuit wiring shall terminate at the universal mounting plate. SpectrAlert® Advance products, when used with the Sync-Circuit™ module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the Sync-Circuit Module, 12-volt rated notification appliance circuit outputs shall operate between 9 and 17.5 volts; 24-volt rated notification appliance circuit outputs shall operate between 17 and 33 volts. Indoor SpectrAlert Advance products shall operate between 32°F and 120°F from a regulated DC, or full-wave rectified, unfiltered power supply. The SW-ALERT and SWH-ALERT amber lens strobe shall have field selectable candela settings of 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, 185 listed under ANSI/UL 1638 (for reference, equivalent candela for ANSI/UL 1971 is 12, 15/75, 24, 60, 75, 85, 90, 110, 120, 140, 150).

Strobe

The System Sensor SpectrAlert Advance SW-ALERT and SWH-ALERT amber lens strobes shall be approved for fire protective service as listed in ANSI/UL 1638. The strobes shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

Physical Specifications

Wall mount dimensions (including lens) 5.6 in L x 4.7 in W x 2.5 in D (142 mm L x 119 mm W x 64 mm D)

Wall mount back box skirt dimensions (BBSW-2) 5.9 in L x 5.0 in W x 2.2 in D (151 mm L x 128 mm W x 56 mm D)

Standard Operating Temperature 32°F to 120°F (0°C to 49°C)

Humidity Range 10% to 93% non-condensing

Electrical/Operating Specifications

Nominal Voltage Regulated 12 VDC/FWR or regulated 24 VDC/FWR

Operating Voltage Range 8 to 17.5 V (12 V nominal) or 16 to 33 V (24 V nominal)

Input terminal wire gauge 12 to 18 AWG

Strobe Flash Rate 1 flash per second

Note: Full Wave Rectified (FWR) voltage is a non-regulated, time varying power source that is used on some power supply and panel outputs.

UL Current Draw Data

UL Max. Strobe Current Draw (mA RMS)

	Candela	8 to 17.5 Volts		16 to 33 Volts	
		DC	FWR	DC	FWR
SW-ALERT Standard Candela Range	15	123	128	66	71
	15/75	142	148	77	81
	30	NA	NA	94	96
	75	NA	NA	158	153
	95	NA	NA	181	176
	110	NA	NA	202	195
	115	NA	NA	210	205
SWH-ALERT High Candela Range	135	NA	NA	228	207
	150	NA	NA	246	220
	177	NA	NA	281	251
	185	NA	NA	286	258

Equivalent Candela Rating for UL1971

Strobe Output (cd)

Listed Candela	On-Axis Rating (UL1638)	Equivalent cd Rating for UL1971 Profile
15	15	12
15/75	15/75	15/75
30	30	24
75	75	60
95	95	75
110	110	85
115	115	90
135	135	110
150	150	120
177	177	140
185	185	150

Note: UL1971 is not applicable to mass notification devices, but these readings were obtained using the measurement procedure specified under UL1971.

Ordering Information

Part No.	Description
SW-ALERT	Strobe, Standard cd, White, with Amber Lens
SWH-ALERT	Strobe, High cd, White, with Amber Lens
Accessories	
BBSW-2	Back Box Skirt, Wall, White

