



L-Series Speakers and L-Series with LED Speaker Strobes

System Sensor L-Series and L-Series with LED audible visible notification products are rich with features guaranteed to cut installation times and maximize profits with lower current draw and modern aesthetics.

Features

- LED technology provides lower current draw
- Digital Volt Meter (DVM) diagnostic test points for Speaker Strobes
- Common aesthetics across the L-Series platform
- Tamper-resistant construction
- Field-selectable candela settings on wall units: 15, 30, 75, 95, 110, 135, and 185
- Field-selectable candela settings on ceiling units: 15, 30, 75, 95, 115, 150, and 177
- Rotary switches for candela, speaker voltage (25 and 70.7 Vrms) and power settings ($\frac{1}{4}$, $\frac{1}{2}$, 1, and 2 watts)
- Mounting plate provides plug-in design for easier installation and shorting springs to check wiring continuity
- Electrically compatible with legacy SpectrAlert, SpectrAlert Advance and L-series devices at 16-33 VDC
- Synchronization through use of UL approved power supplies that support System Sensor Sync protocol or System Sensor MDL Sync Module
- Speakers and Speaker strobes listed for wall or ceiling use
- No extension ring required
- Speakers offer high fidelity and high volume sound output
- 520 Hz capable with compatible Fire alarm control panel (FACP)

Agency Listings



Speaker-Strobes:
S4048



Speakers:
S4048



Speakers:
S4048



3057383
3057493



7125-1653:0533
7135-1653:0532
7320-1653:0505



The System Sensor L-Series and L-Series with LED platform

offers the most versatile and easy-to-use line of speakers and speaker strobes in the industry with lower current draw and modern aesthetics. LED lighting technology offers significantly lower current draw compared to older Xenon bulbs across a full candela range. This improves design flexibility for notification appliance circuits (NACs) while also reducing power supply requirements allowing for simpler and lower cost installations.

Flexible design options meet virtually any application requirement: wall or ceiling mount, red or white color choices, bezel kits for alternate markings and languages, and LED color lenses for distinctive visual signaling. In addition, installers can easily adapt devices using field selectable candela, using rotary switches.

The L-Series and L-Series with LED line is developed to simplify installation. All devices feature plug-in designs with minimal intrusion into the back box, making installations fast and foolproof while virtually eliminating costly and time-consuming ground faults. The universal mounting plate includes an onboard shorting spring, so installers can test wiring continuity before the device is installed.

The low harmonic distortion of the speaker offers high fidelity sound output while offering high volume sound output for use in high ambient noise applications.

In addition, the System Sensor L-Series with LED notification appliances offer a new diagnostic test point feature that allows you to measure device voltage with a digital voltage meter (DVM) without removing the appliance from the wall or ceiling. The DVM test points are discreetly located on the face of the notification appliance which enable faster troubleshooting and end of line (EOL) voltage checks while greatly reducing the risk of misplacing or damaging appliances during troubleshooting.

Product Specifications

Physical / Electrical Specifications	
Standard Operating Temperature	32°F to 120°F (0°C to 49°C)
Humidity Range	10 to 93% non-condensing
Power	¼, ½, 1, 2 Watts
Frequency Range	400 to 4000 Hz
Maximum Supervisory Voltage (Speakers)	50 VDC
Maximum Supervisory Voltage (Strobe)	33 VDC
Strobe Flash Rate	1 Flash Per Second
Nominal Voltages, Speakers	25 Volts or 70.7 Volts (nominal)
Nominal Voltage, Strobe	Regulated 24 VDC
Operating Voltage Range, Strobe	16 to 33 VDC
Input Terminal Wire Gauge	12 to 18 AWG

Dimensions	
Wall Speaker Strobes (including lens)	6.5"L x 5.00" W x 2.3" D (165.1mm L x 127mm W x 58.4mm D)
Wall Speaker Strobes (including lens) with SBBSPRL/WL Surface Mount Back Box	6.62" L x 5.12" W x 4.55" D (168.1mm L x 130mm W x 115.5mm D)
Ceiling Speaker Strobes (including lens)	6.8" diameter x 2.33" D (172.7mm x 59.2mm)
Ceiling Speaker Strobes (including lens) with SBBCL/WL Surface Mount Back Box	6.9" diameter x 4.83" D (176mm x 122.7mm)
Wall SPL Speakers	6.5"L x 5.00" W x 0.97" D (165.1mm L x 127mm W x 23mm D)
Wall Speakers with SBBSPRL/WL Surface Mount Back Box	6.62" L x 5.12" W x 3.2" W (168.1mm x 130mm x 81.2mm)
Ceiling SPC Speakers	6.8" diameter x 1.0" D (173mm x 25mm)
Ceiling Speakers with SBBCL/WL Surface Mount Back Box	6.9" diameter x 3.5" D (176mm x 89mm)

NOTE: SBBSPRL/WL Surface Mount Back Box intended for speaker strobes and speakers.

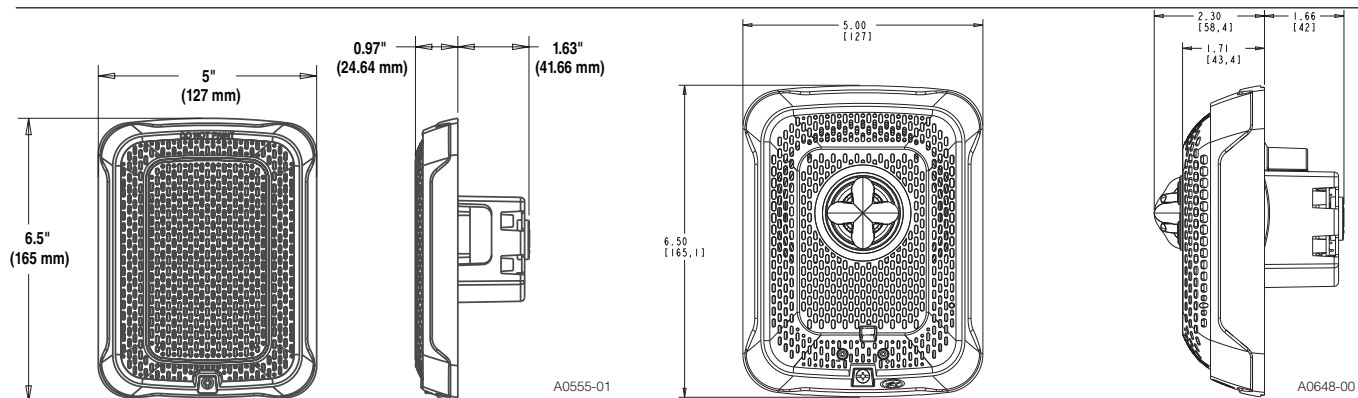
Minimum Speaker Strobe Sound Output				
	¼ W	½ W	1 W	2 W
UL Reverberant (dBA @ 10 ft)	76	79	82	83
UL Anechoic (dBA @ 10 ft)	76	79	82	83

Minimum Speaker Only Sound Output				
	¼ W	½ W	1 W	2 W
UL Reverberant (dBA @ 10 ft)	79	82	85	88
UL Anechoic (dBA @ 10 ft)	79	82	85	88

UL / ULC Maximum Strobe Current Draw (mA)

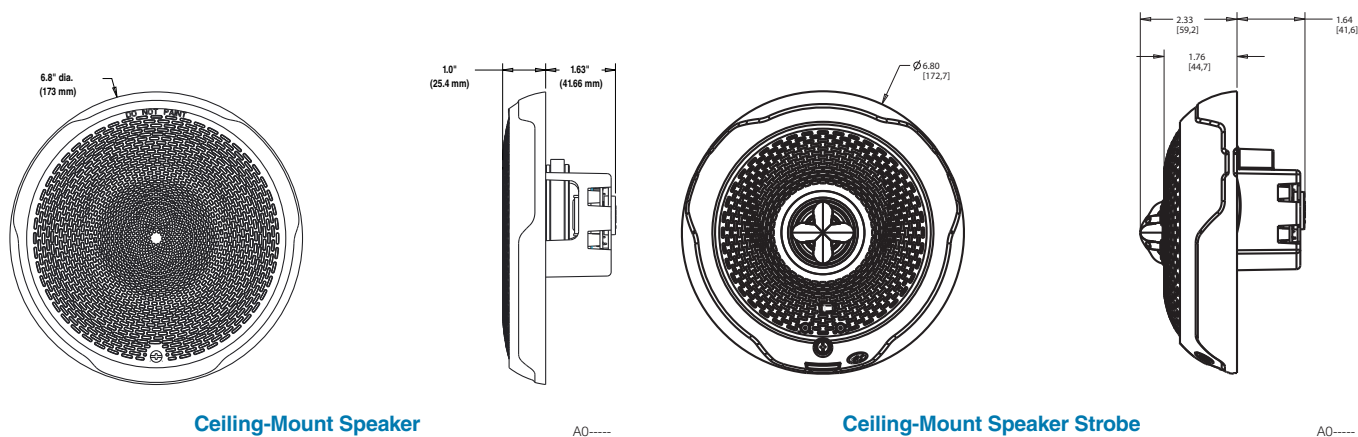
UL/ULC Max Strobe Current Draw (mA RMS)	
Candela Rating	16 to 33 Volts DC
15	18
30	22
75	70
95	75
110	85
115	90
135	105
150	110
177	115
185	120
FCP*	(future)
*FCP Fire Control Panel, future use	

L-Series Dimensions



Wall-Mount Speaker

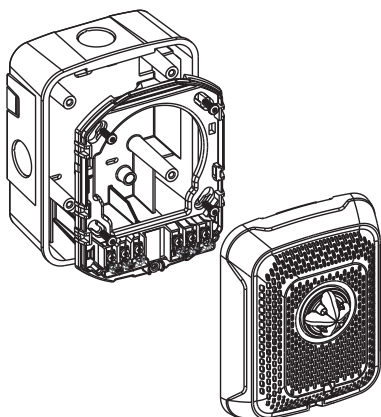
Wall-Mount Speaker Strobe



Ceiling-Mount Speaker

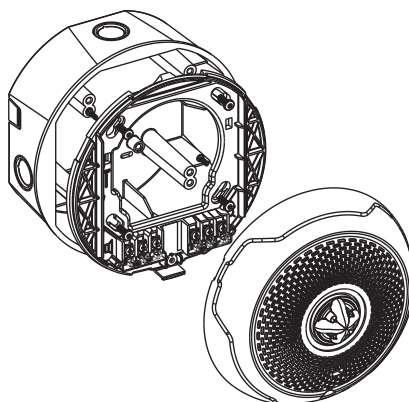
Ceiling-Mount Speaker Strobe

L-Series with LED: Surface Mount Back Box



A0649-00

Wall-Mount Speaker Strobe with
SBBSPSRL/SBBSPWL Surface Mount Back Box



A0650-00

Ceiling-Mount Speaker Strobe with
SBBCRL/SBCWL Surface Mount Back Box

L-Series with LED: Ordering Information

Model	Description
L-Series with LED Speaker Strobes	
SPSCRLED	2-WIRE, SPEAKER STROBE LED RED CEILING
SPSCRLED-B	2-WIRE, SPEAKER STROBE LED RED CEILING BILINGUAL
SPSCRLED-BT	2-WIRE, SPEAKER STROBE LED RED CEILING BILINGUAL WITH TRIM
SPSCWLED	2-WIRE, SPEAKER STROBE LED WHITE CEILING
SPSCWLED-B	2-WIRE, SPEAKER STROBE LED WHITE CEILING BILINGUAL
SPSCWLED-BT	2-WIRE, SPEAKER STROBE LED WHITE CEILING BILINGUAL WITH TRIM
SPSCWLED-T	2-WIRE, SPEAKER STROBE LED WHITE CEILING WITH TRIM
SPSCWLED-TP	2-WIRE, SPEAKER STROBE LED WHITE CEILING PLAIN WITH TRIM
SPSCWLED-CLR-ALERT	2-WIRE, SPEAKER STROBE LED WHITE CEILING ALERT CLEAR LENS
SPSCWLED-P	2-WIRE, SPEAKER STROBE LED WHITE CEILING PLAIN
SPSCWLED-SP	2-WIRE, SPEAKER STROBE LED WHITE CEILING FUEGO
SPSRLED	2-WIRE, SPEAKER STROBE LED RED WALL
SPSRLED-B	2-WIRE, SPEAKER STROBE LED RED WALL BILINGUAL
SPSRLED-P	2-WIRE, SPEAKER STROBE LED RED WALL PLAIN
SPSRLED-SP	2-WIRE, SPEAKER STROBE LED RED WALL FUEGO
SPSWLED	2-WIRE, SPEAKER STROBE LED WHITE WALL
SPSWLED-B	2-WIRE, SPEAKER STROBE LED WHITE WALL BILINGUAL
SPSWLED-ALERT	2-WIRE, SPEAKER STROBE LED WHITE WALL ALERT AMBER LENS
SPSWLED-CLR-ALERT	2-WIRE, SPEAKER STROBE LED WHITE WALL ALERT CLEAR LENS
SPSWLED-P	2-WIRE, SPEAKER STROBE LED WHITE WALL PLAIN
L-Series Speaker	
Description	
SPCRL	2-WIRE, SPEAKER RED CEILING
SPCWL	2-WIRE, SPEAKER WHITE CEILING
SPRL	2-WIRE, SPEAKER RED WALL
SPWL	2-WIRE, SPEAKER WHITE WALL
Accessories	
Description	
SBBSPRL	BACK BOX, WALL, SPEAKER, RED
SBBSPWL	BACK BOX, WALL, SPEAKER, WHITE
SBBCRL	BACK BOX, CEILING, SPEAKER, RED
SBBCWL	BACK BOX, CEILING, SPEAKER, WHITE
TR-2	TRIM RING, WALL, RED
TR-2W	TRIM RING, WALL, WHITE
TRC-2	TRIM RING, CEILING, RED
TRC-2W	TRIM RING, CEILING, WHITE
LED Lenses	
Description	
LENS-A3	Lens LED Amber Wall/Ceiling
LENS-B3	Lens LED Blue Wall/Ceiling
LENS-G3	Lens LED Green Wall/Ceiling
LENS-R3	Lens LED Red Wall/Ceiling
Bezels	
Description	
BZSPR	WALL RED BEZEL KIT
BZSPW	WALL WHITE BEZEL KIT
BZSPRC	CEILING RED BEZEL KIT
BZSPWC	CEILING WHITE BEZEL KIT

Notes for Bezels:

†Each bezel pack ships in a package of 5.

Add one of the following extensions for print/language options: -F (FIRE), -AL (ALERT), -EV (EVAC), -AG (AGENT), -P (Plain), -FR (FEU), -PG (FOGO), -SP (FUEGO), -SPE (FUEGO/FIRE)

Bezels for use only with Speaker Strobes



3825 Ohio Avenue • St. Charles, IL 60174 USA
 Phone: 800-SENSOR2 • Fax: 630-377-6495
www.systemsensor.com
 3333 Unity Drive, Mississauga, ON L5L 3S6 Canada
 Phone: 800-SENSOR2 • Fax: 905-812-0771
www.systemsensor.ca

System Sensor® is a registered trademark
 of Honeywell International, Inc.

©2024 System Sensor.
 Product specifications subject to change without notice. Visit systemsensor.com
 for current product information, including the latest version of this data sheet.
 AVDS-62174-A • 08/29/2024