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Farenhyt™ Series

L-Series Emergency Communications Devices



The L-Series Emergency Communication devices are the broadest and most versatile line of notification devices available. They include a wide range of devices to meet emergency communications application requirements.

The model's visual signaling text labeled, ALERT, is printed on the white housing's amber lens strobes and speaker strobes. This visual signaling label is used to identify the emergency communications in compliance with ANSI/ UL 1638 — Standard for General Signaling Visible Appliances. Other Plain or ALERT-printed models provide clear lenses for use with color lens strobe attachments (amber, blue, green, and red). These models can easily attach to strobe and speaker strobe devices without a candela derating.

In addition, L-Series emergency communications devices include plain (non-printed) strobes, horn strobes, and speaker strobes. These devices, along with ALERT-printed devices and L-Series accessories, can meet a wide range of requirements for indoor applications, including emergency communications, general signaling, severe weather, and emergency response.

All L-Series emergency communications and general signaling devices are compatible with the entire L-Series line and include all the same time- and money-saving innovations. For example, plug in design simplifies installation and reduces costly ground faults, universal mounting plates with onboard shorting springs test wiring continuity to speed installation and protect devices from damage, and field-selectable settings provide versatility and enable installers to quickly set each device to meet application requirements.

FEATURES & BENEFITS

- Designed with Plain or ALERT- printed white housings
- Includes either Clear or Amber lens strobes and speaker strobes
- Color lens attachments for use with clear lens wall or ceiling strobe
- Complies with DoD specification requirements
- Offers plug-in design for simplified installation and troubleshooting
- Mounting plate shorting spring easily tests wiring continuity
- Provides an automatic selection of 12- or 24-volt operation at 15 and 30 candela
- Support for the following field-selectable candela settings: Wall: 15, 30, 75, 95, 110, 135, 185 Ceiling: 15, 30, 75, 95, 115, 150, 177
- Rated from 32°F to 120°F (indoor devices)
- Includes optional tamper-resistant Torx head screw
- Compatible with the syncronization protocol.

L-SERIES SPECIFICATIONS. ARCHITECT/ENGINEER SPECIFICATIONS

GENERAL

System Sensor L-Series strobes and horn strobes shall mount to a standard 4 × 4 × 1½-inch back box, 4-inch octagon back box, or double-gang back box. L-Series compact devices shall mount to a single-gang 2 × 4 × 1 7/8-inch back box. L-Series speaker strobes shall mount to a 4 x 4 x 21/8-inch back box. A universal mounting plate shall be used for mounting ceiling and wall products. The notification appliance circuit wiring and amplifier wiring shall terminate at the universal mounting plate. Also, L-Series 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 8.5 and 17.5 volts; 24-volt-rated notification appliance circuit outputs shall operate between 16.5 and 33 volts. Indoor L-Series products shall operate between 32 and 120 degrees Fahrenheit from a regulated DC or full-wave rectified unfiltered power supply. Strobes, horn strobes, and speaker strobes shall have field-selectable candela settings, including 15, 30, 75, 95, 110, 115, 135, 150, 177, and 185.

STROBE

The clear strobe shall be a System Sensor L-Series Model _____ listed to UL 1971 and shall be approved for fire protective service. Colored lens strobes shall be listed to ANSI/UL 1638 and shall be approved for Private Mode Emergency. The strobe shall be wired as a primary signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon fl ash tube and associated lens/reflector system.

HORN STROBE COMBINATION

The horn strobe shall be a System Sensor L-Series Model _____ listed to UL 1971 and UL 464 and shall be approved for fire protective service. The horn strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The horn shall have three audibility options and an option to switch between a temporal three-pattern and a non-temporal (continuous) pattern. These options shall be set by a multiple position switch. The horn and horn strobe models shall operate on a coded or non-coded power supply.

SPEAKER STROBE COMBINATION

The speaker strobe shall be a System Sensor L-Series Model _____ listed to UL 1480 and UL 1971 and be approved for fire protective signaling systems. Speaker shall be capable of operating at 25.0 or 70.7 nominal Vrms selected via rotary switch, and shall have a frequency range of 400 to 4,000 Hz. Speaker shall have power taps that are selected by rotary switch. The strobe shall comply with the NFPA 72 requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

SYNCHRONIZATION MODULE

The module shall be a System Sensor Sync•Circuit model MDL3 listed to UL 464 and shall be approved for fire protective service. The module shall synchronize L-Series strobes at 1 Hz and horns at temporal three. Also, while operating the strobes, the module shall silence the horns on horn strobe models over a single pair of wires. The module shall mount to a 411/16 × 411/16 × 2 1/8-inch back box. The module shall also control two Style Y (class B) circuits or one Style Z (class A) circuit. The module shall synchronize multiple zones. Daisy chaining two or more synchronization modules together will synchronize all the zones they control. The module shall not operate on a coded power supply.

COLOR LENS STROBE ATTACHMENT

The System Sensor L-Series color lens attachments shall be approved for fire protective service as listed in UL 1638. The lens attachments shall only be used with (plain non-fire-printed) System Sensor strobe devices. They shall mount to any wall or ceiling strobe and be rated from minus 35 degrees to 151 degrees Fahrenheit.

PHYSICAL

Dimensions Wall-Mount Strobe and Horn Strobe (including lens): 5.6˝ L x 4.7˝ W x 1.25˝D

SPS Speaker Strobe (including lens and speaker): 6.5" L x 5.0" W x 2.3" D

Dimensions Ceiling-Mount Strobe (including lens): 6.8˝ diameter x 2.8˝ D

ENVIRONMENTAL

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

Humidity Range: 10 to 93% non-condensing

ELECTRICAL SPECIFICATIONS

Nominal Voltage (strobes and horn strobes): Regulated 12 VDC or regulated 24 DC/FWR

Nominal Voltage (speakers): 25 V or 70.7 V (nominal)

Maximum Supervisory Voltage (speakers): 50 VDC

Operating Voltage Range: 8 to 17.5 V (12 V nominal) or 17 to 33 V (24 V nominal)

Operating Voltage Range with MDL3: 8.5 to 17.5 (12V nominal) or 16.5 to 33V (24V nominal)

Strobe Flash Rate: 1 flash per second

Speaker Frequency Range: 400 to 4,000 Hz

Speaker Power : ¼,½, 1, 2 watts

SPEAKER SOUND OUTPUT

UL Reverberant (dBA @ 10 ft.)	2 W	1 W	½W	¼ W
Wall-Mount SPS Series	88	85	82	79
Ceiling-Mount SPC Series	88	85	82	79

AGENCY LISTINGS AND APPROVALS

UL: Listed

FM: Approved

CSFM: Listed

UL MAX STROBE CURRENT DRAW (mA RMS) - CEILING

CANDELA	8-17.5V	16-33V	
	DC	DC	FWR
15	87	41	60
30	153	63	86
75	N/A	111	142
95	N/A	134	164
115	N/A	158	191
150	N/A	189	228
177	N/A	226	264
Ceiling Candela Settings: 15, 30, 75, 95, 110, 135, 185			

UL MAX SRTOBE CURRENT DRAW (mA RMS)-WALL

CANDELA	8-17.5V	16-33V	
	DC	DC	FWR
15	87	41	60
30	153	63	86
75	N/A	111	142
95	N/A	134	164
110	N/A	148	179
135	N/A	172	209
185	N/A	222	257
Wall Candela Settings: 15, 30, 75, 95, 115, 150, 177			

UL MAX CURRENT DRAW (mA RMA), WALL HORN STROBE, CANDELA RANGE (15-185 cd)

DC INPUT	8-17.5V		16-33V						
	15cd	30cd	15cd	30cd	75cd	95cd	110cd	135cd	185cd
Temp Hi	98	158	54	74	121	142	162	196	245
Temp Low	93	154	44	65	111	133	157	184	235
Non-Temporal High	106	166	73	94	139	160	182	211	262
Non-Temporal Low	93	156	51	71	119	139	162	190	239
3.1K Temp Hi	93	156	53	73	119	140	164	190	242
3.1K Temp Low	91	154	45	66	112	133	160	185	235
3.1K Non-Temp Hi	99	162	69	90	135	157	175	208	261
3.1K Non-Temp Low	93	156	52	72	119	138	162	192	242
FWR INPUT	**16-33V**								
	15cd	30cd	75cd	95cd	110cd	135cd	185cd		
Temporal Hi	83	107	156	177	198	234	287		
Temporal Low	68	91	145	165	185	223	271		
Non-Temporal High	108	135	181	207	230	264	316		
Non-Temporal Low	79	104	157	175	197	235	283		
3.1K Temp Hi	81	105	155	177	196	234	284		
3.1K Temp Low	68	90	145	166	186	222	276		
3.1K Non-Temp Hi	101	131	176	204	230	264	326		
3.1K Non-Temp Lo	77	102	156	177	199	234	291		

UL MAX CURRENT DRAW (mA RMA), CEILING HORN STROBE, CANDELA RANGE (15-177cd)

DC INPUT	8-17.5V		16-33V						
	15cd	30cd	15cd	30cd	75cd	95cd	115cd	150cd	177cd
Temp Hi	103	167	71	90	143	165	162	217	254
Temp Low	96	165	54	71	137	161	157	211	249
Non-Temporal High	106	173	71	90	141	165	182	230	273
Non-Temporal Low	93	166	54	71	124	161	162	216	258
3.1K Temp Hi	111	164	69	94	147	163	164	229	257
3.1K Temp Low	103	163	54	88	143	155	160	212	252
3.1K Non-Temp Hi	111	172	69	94	144	164	175	229	271
3.1K Non-Temp Low	103	169	54	88	131	155	162	217	259

HORN TONES AND SOUND OUTPUT DATA

SWITCH POSITION	SOUND PATTERN	8-17.5V		16-33V	
		DB	DC	DC	FWR
1	Temporal	High	84	89	89
2	Temporal	Low	75	83	83
3	Non-Temporal	High	85	90	90
4	Non-Temporal	Low	76	84	84
5	3.1 KHz Temporal	High	83	88	88
6	3.1 KHz Temporal	Low	76	82	82
7	3.1 KHz Non-Temporal	High	84	89	89
8	3.1 KHz Non-Temporal	Low	77	83	83

ORDERING INFORMATION

ALERT DEVICES

SWL-CLR-ALERT: Strobe, White, Wall, Clear Lens, Alert
SWL-ALERT: Strobe, White, Wall, Amber Lens, Alert
SCWL-CLR-ALERT: Strobe, White, Ceiling, Clear Lens, Alert
SPSWL-ALERT: Speaker Strobe, White, Wall, Amber Lens,Alert
SPSWL-CLR-ALERT: Speaker Strobe, White, Wall, Clear Lens, Alert
SPSCWL-CLR-ALERT: Speaker Strobe, White, Ceiling, Clear Lens,Alert

PLAIN WALL STROBES

SRL-P: Strobe, Red, Wall, Plain
SWL-P: Strobe, White, Wall, Plain

PLAIN WALL HORN STROBES

P2RL-P: Horn Strobe, Red, Wall, Plain
P2WL-P: Horn Strobe, White, Wall, Plain

PLAIN WALL SPEAKER STROBES

SPSRL-P: Speaker Strobe, Red, Wall, Plain
SPSWL-P: Speaker Strobe, White, Wall, Plain

PLAIN CEILING SPEAKER STROBES

SPSCWL-SP: Speaker Strobe, White, Ceiling, Plain
Notes: All -P models have a plain housing (no "FIRE" marking on cover).

COLORED LENSES

LENS-A2: Wall-Mount Lens Attachment, Amber
LENS-B2: Wall-Mount Lens Attachment, Blue
LENS-G2: Wall-Mount Lens Attachment, Green
LENS-R2: Wall-Mount Lens Attachment, Red
LENS-AC2: Ceiling-Mount Lens Attachment, Amber
LENS-BC2: Ceiling-Mount Lens Attachment, Blue
LENS-GC2: Ceiling-Mount Lens Attachment, Green
LENS-RC2: Ceiling-Mount Lens Attachment, Red

BEZEL KITS*

BZR: Wall Red Bezel Kit
BZW: Wall White Bezel Kit
BZGR: Compact Wall Red Bezel Kit
BZGW: Compact Wall White Bezel Kit
BZRC: Horn/Strobe Ceiling Red Bezel Kit
BZWC: Horn/Strobe Ceiling White Bezel Kit
BZSPR: Speaker Wall Red Bezel Kit
BZSPW: Speaker Wall White Bezel Kit
BZSPRC: Speaker Ceiling Red Bezel Kit
BZSPWC: Speaker Ceiling White Bezel Kit
*Each bezel pack ships in a package of 5. For bezel option add -F (FIRE), -AL (ALERT), -EV (EVAC), -AG (AGENT), -P (Plain), -SP (FUEGO), -PG (FOGO) for desired printing.

AGENCY LISTINGS AND APPROVALS

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CSFM: Listed

For a complete listing of all compliance approvals and certifications, please visit www.farenhyt.com.

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For Technical Support, Please call 800-446-6444.

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

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