Honeywell
THE POWER OF CONNECTED

Farenhyt™ Series

L-Series Chimes and Chime / Strobes

The L-Series product line of wall and ceiling mount chimes and chime strobes include a variety of features that increase their application versatility while simplifying the installation. With white and red plastic housings, System Sensor L-Series can meet virtually any application requirement.

Selectable-output chimes and chime/strobes are private mode notification appliances used to alert trained personnel to investigate possible emergency situations and to take appropriate action. Security guard and nurse workstations are ideal locations for chime products.

All devices feature plug-in design with minimal intrusion into the back box, making the installation fast and foolproof while virtually eliminating costly and time-consuming ground faults.

Installers can easily adapt devices to a wide range of application requirements using field-selectable candela settings, automatic selection of 12-or-24 volt operation, and a rotary switch for chime tones and two volume selections.



WALL-MOUNT CHIMES AND WALL/CEILING-MOUNT CHIME STROBES

FEATURES & BENEFITS

- Built with an updated modern aesthetic design
- Features a Plug-in design that allows minimal intrusion into the backbox
- Mounting plate shorting spring feature checks wiring continuity before device installation
- Designed with tamper-resistant construction
- Field-selectable candela settings:
  Wall: 15, 30, 75, 95, 110, 135, 185
  Ceiling: 15, 30, 75, 95, 115, 150, 177
- Uses a rotary switch for tone and volume selections
- Automatic selection of 12- or 24-volt operation at 15 and 30 candela
- Five selectable tones with high and low volume settings
- Electrically compatible with existing SpectrAlert and SpectrAlert Advance devices
- Wall models listed for wall mounting only, ceiling models listed for ceiling mounting only
- Captive mounting screw

L-Series Specifications

ARCHITECT/ENGINEER SPECIFICATIONS

GENERAL

System Sensor L-Series chimes and chime strobes shall mount to a standard 4×4 × 1½-inch back box, 4-inch octagon back box, singlegang 2 × 4 × 17/8-inch back box, or double-gang back box. A universal mounting plate shall be used for mounting products. The notification appliance circuit wiring shall terminate at the universal mounting plate. Also, System Sensor 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. Chime strobes shall have field-selectable candela settings of 15, 30, 75, 95, 110 , 135, and 185 for wall units and 15, 30, 75, 95, 115, 150, and 177 for ceiling units.

CHIME STROBE COMBINATION

The chime strobe shall be a System Sensor SpectrAlert Advance Model _____ listed to UL 1638 and UL 464. The chime strobe shall 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. The chime shall have two audibility options and an option to switch between temporal three pattern, non-temporal(continuous) pattern, 1 second chime pattern, 1/4 second chime pattern, 5 second whoop chime pattern. These options are set by a multiple position switch and an option to switch between temporal three pattern, non-temporal(continuous) pattern, 1 second chime pattern, 1/4 second chime pattern, 5 second whoop chime pattern. These options are set by a multiple position switch.

SYNCHRONIZATION MODULE

The module shall be a System Sensor Sync•Circuit _____ listed to UL 464 and shall be approved for fire protective service. The module shall synchronize SpectrAlert strobes at 1Hz and all available chime tones. Also, while operating the strobes, the module shall silence the chimes on chime/strobe models over a single pair of wires. The module shall mount to a 4 11/16 × 4 11/16 × 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.

UL MAX. CHIME CURRENT DRAW (mA RMS)

SOUND PATTERN	8-17.5V		16-33V	
	dB	DC	DC	FWR
1 Second Chime	High	5	8	9
1 Second Chime	Low	5	8	9
¼ Second Chime	High	6	10	10
¼ Second Chime	Low	5	9	9
Temporal Chime	High	7	10	10
Temporal Chime	Low	6	9	9
5 Second Whoop	High	12	15	16
5 Second Whoop	Low	7	10	11
Coded	High	12	15	16

*This data represents coding at 3 chimes per second. Actual current draw will vary depending upon coding selected.

UL MAX. CHIME/STROBE CURRENT DRAW (mA RMS) WALL

DC INPUT	8-17.5V		16-33V						
	15	30	15	30	75	95	110	135	185
1 Second Chime	90	154	51	71	115	136	161	202	238
1 Second Chime	89	154	50	70	116	136	154	199	242
¼ Second Chime	90	154	52	72	117	137	168	201	242
¼ Second Chime	89	153	49	70	115	136	165	199	241
Temporal Chime	88	153	49	69	112	137	168	201	246
Temporal Chime	88	152	47	68	111	136	167	196	241
5 Second Whoop	91	154	52	70	113	132	176	206	243
5 Second Whoop	87	149	46	66	108	130	170	202	240

UL MAX. CHIME/STROBE CURRENT DRAW (mA RMS) WALL

FWR INPUT	16-33V						
	15	30	75	95	110	135	188
1 Second Chime	70	90	160	176	197	233	275
1 Second Chime	67	88	158	175	191	232	271
¼ Second Chime	69	93	159	175	198	233	272
¼ Second Chime	68	93	154	169	196	232	270
Temporal Chime	65	90	145	170	189	228	283
Temporal Chime	64	89	142	170	188	219	282
5 Second Whoop	70	93	145	168	187	223	278
5 Second Whoop	62	84	137	159	180	216	272

UL MAX. CHIME/STROBE CURRENT DRAW (mA RMS) CEILING

DC INPUT	8-17.5V		16-33V						
	15	30	15	30	75	95	115	150	177
Second Chime	95.5	165	47	69	117	137	165	202	238
1 Second Chime	93	162	47	68	116	137	165	200	238
¼ Second Chime	94	161	48	70	117	138	166	202	237
¼ Second Chime	93	157	48	69	116	137	164	199	236
Temporal Chime	93	163	48	69.5	116	138	165	199	238
Temporal Chime	92	160	47	68.5	116	136	164	198	237
5 Second Whoop	98	169	54	77	124	146	173	206	245
5 Second Whoop	95	166	49	71	117	144	168	202	239
	16-33V								
FWR Input	15	30	75	95	115	150	177		
1 Second Chime	63	90	147	169	184	212	245		
1 Second Chime	63	88	147	169	183	212	244		
¼ Second Chime	65	90	149	170	184	213	246		
¼ Second Chime	64	89	148	168	184	213	244		
Temporal Chime	64	89	148	169	184	212	245		
Temporal Chime	63	88	147	169	183	212	245		
5 Second Whoop	75	100	155	178	193	221	255		
5 Second Whoop	68	91	148	170	186	217	248		

TONE SELECTION

To select the chime tone, use the rotary switch on the back of the product. The current draw and sound measurements for various chime tone settings are listed below.

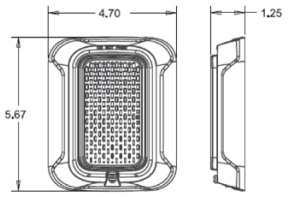
HORN STROBE TONES AND SOUND OUTPUT DATA

SETTINGS	REPETITION RATE	DB LEVEL
1	1 Second Chime	High
2	1 Second Chime	Low
3	¼ Second Chime	High
4	¼ Second Chime	Low
5	Temporal Chime	High
6	Temporal Chime	Low
7	5 Second Whoop	High
8	5 Second Whoop	Low
9	Coded**	High

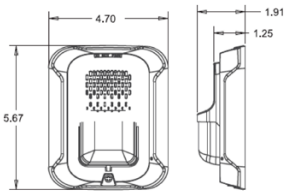
**For chime only.

HORN STROBE TONES AND SOUND OUTPUT DATA

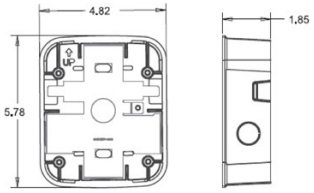
SWITCH POSITION	SOUND PATTERN		8-17V	16-33V	
		dB	DC	DC	FWR
1	1 Second Chime	High	61	62	62
2	1 Second Chime	Low	56	55	55
3	¼ Second Chime	High	67	70	70
4	¼ Second Chime	Low	61	61	61
5	Temporal Chime	High	64	66	66
6	Temporal Chime	Low	59	60	60
7	5 Second Whoop	High	76	78	78
8	5 Second Whoop	Low	62	64	64
9	Coded**	High	57	51	57



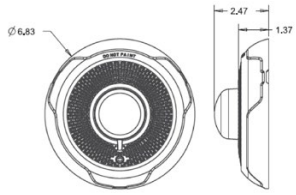
CHIME



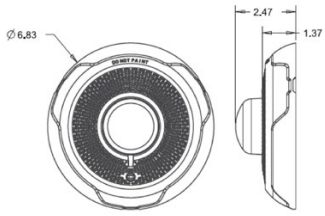
CHIME/STROBE



CEILING CHIME/STROBE



SBBRL



SBBCRL

PHYSICAL

Chime: 4.7" W x 5.67" H x 1.25" D
Chime/Strobe: 4.7" W x 5.67" H x 1.91" D
Ceiling Chime/Strobe: 4.82" W x 5.78" H x 1.85" D
SBBRL: 6.83" Dia. x 2.47" D
SBBCRL: 6.92" Dia x 2.5" D

ELECTRICAL SPECIFICATIONS

Strobe Flash Rate: 1 flash per second
Nominal Voltage Regulated: 12VDC or regulated 24DC/FWR1
Operating Voltage Range[2]:8 to 17.5V (12V nominal) or 16 to 3V (24V nominal)
Operating Voltage Range with MLD3: 8.5 to 17.5V (12V nominal) or 16.5 to 33V (24V nominal)
Input terminal wire gauge: 12 to 18 AWG

ENVIRONMENTAL

Standard Operating Temperature: 32°F to 120°F (0°C to 49°C)
Humidity Range: 10 to 93% non-condensing

Notes:

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

2. CHS products will operate at 12 V nominal only for 15 and 30 cd.

ORDERING INFORMATION

CHRL: Chime, Wall, Red
CHWL: Chime, Wall, White
CHSRL: Chime Strobe, Wall, Red
CHSWL: Chime Strobe, Wall, White
CHSCRL: Chime Strobe, Ceiling, Red
CHSCWL: Chime Strobe, Ceiling, White

ACCESSORIES

SBBRL: Surface Mount Back Box, Wall, Red
SBBWL: Surface Mount Back Box, Wall, White
SBBCRL: Surface Mount Back Box, Ceiling, Red
SBBCWL: Surface Mount Back Box, Ceiling, White

AGENCY LISTINGS AND APPROVALS

UL: Listed
FM: Approved
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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