A U D I B L E / V I S I B L E N O T I F I C A T I O N

SPECTRAlert®

Chime and Chime/Strobe

SYSTEM SENSOR®

Models Available

Chime/Strobes

Red	White
CH24MC	CH24MCW

Chimes

Red	White
CH1224	CH1224W

Accessory Mounting Plates

Red	White
S-MP	S-MPW
BBS	BBSW

Product Overview

Chime meets UL 464 requirements for private mode

Strobe meets UL 1971 requirements

Field-selectable tones

- **Repeating 1 second chime**
- **Repeating ¼ second chime**
- **Temporal 3 chime**
- **Single stroke chime**
- **Continuous / 3kHz**
- **Continuous / 500 Hz**
- **Temporal 3 / 3kHz**
- **Temporal 3 / 500 Hz**

Three volume options

Mount to standard back boxes

Available in red or white

UL LISTED S4011

7135-1209:206
7135-1209:216

MEA approved
397-00-E
291-01-E

System Sensor's SpectrAlert wall-mount electronic chime and chime/strobes offers sixteen different field-selectable chime tones, each with three volume settings. Intended for private mode applications, the SpectrAlert chime meets UL 464 and the chime/strobe meets UL1971.

Flexibility. SpectrAlert products offer the flexibility to meet a broad range of requirements. SpectrAlert chimes and chime/strobes feature sixteen field-selectable electronic tones, with three different volume levels for each. Chime/strobe models are available in 15, 15/75, 30, 75, and 110 candela configurations.

Installation. SpectrAlert chime and chime/strobe offer DIP switch tone selections to simplify field configuration. In addition, each device mounts to standard depth back boxes for greater installation flexibility. Small footprint or surface-mount accessory mounting plates are available for the chime.

Aesthetics. The SpectrAlert chime and chime/strobe incorporate the stylish, low profile design consistent with all SpectrAlert wall-mount products, and is available in red and white to meet specific installation requirements.

Engineering Specifications

General

Electronic chime and chime/strobe shall be a System Sensor SpectrAlert model _____. The chime shall be listed to UL 464 for fire protective signaling systems and shall perform in accordance with private mode emergency and general utility signaling. The strobe shall be listed to UL1971 and shall be approved for fire protective signaling. The strobe shall comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The chime shall have sixteen field-selectable tone options, each with three volume settings. These options shall be activated through the appropriate settings on a DIP switch located on the rear of the unit. The chime shall be capable of mounting to a standard 4″ x 4″ or 1½″ back box or a single gang 2″ x 4″ 1⅞″ back box. The chime/strobe shall be capable of mounting to a standard 4″ x 4″ or 1½″ back box. The chime shall operate at 12 or 24 volts and the chime/strobe shall operate at 24 volts. Both chime and chime/strobe shall be powered from a non-coded power supply and shall be capable of operating from either a regulated DC or full wave rectified, unfiltered power supply. Chime and chime/strobe shall have an operating temperature range of 32°F to 120°F.

Specifications

Input Terminals
12 to 18 AWG

Dimensions
Chime with mounting plate:
5″ x 5⅝″ x 2¼″
Chime/Strobe: 6 15/16″ x 5″ x 2 7/16″

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

Weight
Chime: 0.5 lb. (0.2 kg)
Chime/Strobe: 1.5 lbs. (0.6 kg)

Mounting
Chime: Single gang, 4″ x 4″ back box
Chime/Strobe: 4″ x 4″ back box

Voltages
Chime: 12 or 24 VDC and FWR unfiltered*
Chime/Strobe: 24 VDC and FWR unfiltered*
*Must be powered with a non-coded power supply

Operating Voltage Range*
Chime: 8–33V
Chime/Strobe: 16-33V

Sound Output (UL Reverberant)**
12VDC: 54 dBA
24VDC: 60 dBA
*Factory default settings (1.0K repeating 1 second chime @ high volume) shown. Refer to installation manual for sound output levels at each tone selection.

Electronic Chime Current Draw*

8-33VDC: 10–61mA
*Average current draw varies with tones selected. Current ratings per System Sensor testing at 12VDC and 24VDC. Add current values when connecting in parallel.

	8 Volts			12 Volts			24 Volts			33 Volts		
Tone	Low	Med.	High	Low	Med.	High	Low	Med.	High	Low	Med.	High
1.2K Repeating 1-Second Chime	51	52	55	53	54	56	57	61	52	59	61	64
1.0K Repeating 1-Second Chime	48	50	54	51	52	54	54	57	60	57	60	62
0.8K Repeating 1-Second Chime	47	47	53	49	51	52	53	55	58	55	58	60
1.2K Repeating 1/4-Second Chime	53	54	58	55	57	59	59	61	64	61	63	66
1.0K Repeating 1/4-Second Chime	49	50	54	51	53	54	55	57	60	57	59	62
0.8K Repeating 1/4-Second Chime	48	50	53	50	52	53	54	56	59	56	58	61
1.2K Temporal 3 Chime	51	52	56	52	54	55	55	57	61	58	60	63
1.0K Temporal 3 Chime	48	49	54	49	51	51	53	55	58	55	57	60
0.8K Temporal 3 Chime	46	47	51	48	50	51	52	54	57	54	56	59
1.2K Single Stroke Chime	52	53	58	52	54	56	56	58	62	58	60	64
1.0K Single Stroke Chime	47	48	53	50	51	59	53	55	58	56	58	62
0.8K Single Stroke Chime	47	48	53	49	50	52	54	56	60	56	59	61
3.0K Continuous Electromechanical	56	57	61	59	60	67	65	68	70	68	70	74
3.0K Temporal Electromechanical	51	52	56	53	54	61	56	59	62	58	60	64
0.5K Continuous Electromechanical	48	49	53	51	52	56	54	57	60	56	55	61
0.5K Temporal Electromechanical	45	47	51	47	49	53	51	52	58	52	54	60

Strobe Current Draw

Model No.	Candela Setting	FWR Operating Current–Strobe (mA RMS)	DC Operating Current–Strobe (mA RMS)
CH24MC Chime/Strobe	15	64	59
	15/75	74	69
	30	93	90
	75	158	160
	110	208	209

Ordering Information

Description	Red	White	Candela	Voltage
Chime/Strobe	CH24MC	CH24MCW	15, 15/75, 30, 75, 110	24
Surface Mount Backbox Skirt	BBS-CHSR	BBS-CHSW	N/A	N/A
Chime	CH1224	CH1224W	N/A	12/24
Small Footprint Mounting Plate	S-MP	S-MPW	N/A	N/A
Surface Mount Back Box Skirt	BBS	BBSW	N/A	N/A
Universal Mounting Plate (Replacement)	D-MP	D-MPW	N/A	N/A

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