

Ideas

Advanced



Advanced

Solutions

At System Sensor,

Research and Development is more than a department. It's a way of life. Every day we work to design new products that utilize the most innovative technologies in the most inventive ways...products that are more convenient to install and more efficient to operate...products that help our customers achieve the highest levels of reliability and economy. In other words, we make it our business to develop advanced ideas that deliver advanced solutions. And that is exactly what we've done with the SpectrAlert® Series of notification devices.

Advanced Thinking.

SpectrAlert offers the industry's most complete and sophisticated selection of strobe, horn/strobe, speaker/strobe and speaker-only devices. We've developed SpectrAlert models to suit virtually every building, location and environment.

Advanced Design.

We have engineered all SpectrAlert products to meet or exceed code – today and tomorrow. We've worked to standardize their platforms, fixtures and features. And we've placed increasing emphasis on developing the type of device that offers multiple functions and settings, all selectable at the unit or panel.

Advanced Performance.

We have built all SpectrAlert models for low power consumption, which means more devices per circuit. We have also given them the easy-installation features synonymous with the SpectrAlert name. The result is less labor, less cost, more value.

Advanced Styling.

SpectrAlert products are widely recognized for their aesthetic appeal to building owners and occupants. Their "look" is attractive, contemporary and consistent across the entire line.

Selectable Output Series™

When it comes to strobe notification appliances, different interior spaces require different intensities of light. That's why System Sensor developed the newest addition to the SpectrAlert line – the Selectable Output Series.™

This product is available as a strobe unit, a horn/strobe or as a speaker/strobe. All three models offer more candela settings than other competitive products. And all operate at dual voltage levels, self-adjusting for either 24 or 12 volts. At 24 volts, they can be set to provide light intensities of 15, 15/75, 30, 75 or 110 candela. At 12 volts they will output 15 candela or 15/75.

The Selectable Output Series is remarkably easy to set. A slide switch on the back adjusts the candela level, which is displayed in a window that remains clearly visible once the unit is installed. In horn/strobe models, a three position DIP switch selects high or low volume, temporal or non-temporal, and mechanical or 3000 Hz.

In addition to their unique advantages, these new products come with the other features that set SpectrAlert wall-mount notification appliances apart. These include their low current draw and the QuickClick™ easy-installation system.

With their wide range of candela settings, the Selectable Output Series can be placed in almost any location, which makes them remarkably easy to spec and to use. And with their cost-saving features, they are also easy on the bottom line. Put it all together and you have more of what multiple output products are designed to provide: flexibility and value.





voice

SpectrAlert Speakers

SpectrAlert speakers and speaker/strobes give you the highly intelligible sound quality that is essential to voice evacuation.

These products feature a frequency range exceeding the requirements of most codes. They are also unusually low in harmonic distortion. The result is an ingredient essential to intelligible systems -- crystal clear sound

performance that is ideal for hotel, hospital, commercial and industrial applications. All SpectrAlert voice products can be used to present recorded or live evacuation messages.

To reduce installation costs, they can be mounted to a 4"x 4", 2 1/8" back box without an extension ring.



sync

Synchronization is Easy

The SpectrAlert Sync•Circuit™ Module is designed to simplify installations that require signal synchronization. This product synchronizes SpectrAlert strobes to flash once per second and SpectrAlert horns to sound at temporal-3 code. The module can silence the horns on horn/strobe models, while operating the strobes, over a single pair of wires. The same technology can also sound horns only and

can be interconnected with other SpectrAlert modules for multizone synchronization. On 2-wire loops, Sync•Circuit Modules feature a silenced mode, which enables testers to check strobes without sounding an alarm.

The Sync•Circuit Module is compatible with wall-mount and ceiling-mount strobes, horn/strobes, speaker/strobes and wall-mount horns.





ceiling

Ceiling-mount SpectrAlert™

Since their introduction, the SpectrAlert series of ceiling-mounted notification devices has become widely regarded as the most complete and innovative in the industry. Many of these products are the first of their kind, and the series itself was the first of its breadth to feature a unified circular design.

Based on the same principles as the popular SpectrAlert wall-mount models, the ceiling-mount units draw up to 40% less power than competing products. Strobe units offer an extraordinarily wide range of

candela settings and a method for dispersing light that is unusually effective. With their labor saving features such as captured mounting screws and dip switch horn tone selectors, SpectrAlert ceiling-mount units are quick and easy to install.

They are also appealing to end users. A distinctive circular design blends with other ceiling-mount devices, such as smoke detectors, providing an aesthetic that is carried throughout the entire ceiling line. The result is an installation that is both attractive and consistent.

wall

Wall-mount SpectrAlert™

The SpectrAlert line began with an innovative series of wall-mounted devices that rose quickly to become one of the best selling lines in the safety and security industries. Today the SpectrAlert line includes a range of strobe, horn/strobe, speaker/strobe and speaker-only models that is extraordinarily broad and deep.

SpectrAlert products incorporate features that make them quick and easy to install. The backbox is left open for wiring. Each unit comes with a mounting plate designed specifically for SpectrAlert wall-mount products. And each takes advantage of the exclusive QuickClick installation system that requires no screws. The units simply click into place and just as easily click back out for service.

All models utilize a highly efficient circuit design that dramatically reduces both current draw and installation costs. SpectrAlert wall-mount notification appliances are also appealing to the eye. They appeal to the pocketbook as well.



SpectrAlert Specifications

ULC Canadian Models are available.

SpectrAlert Wall Mount Horn/Strobes

Red Model	White Model	Voltage	Candela	Avg. mA* @ 12 VDC	Avg. mA* @ 24 VDC	Avg. mA* @ 12 V FWR**	Avg. mA* @ 24 V FWR**
P1224MC	P1224MCW	12/24	15	72	58	65	50
			15/75	86	64	75	55
			30	NA	73	NA	80
			75	NA	116	NA	102
			110	NA	146	NA	130

SpectrAlert Wall Mount Strobes

Red Model	White Model	Voltage	Candela	Avg. mA* @ 12 VDC	Avg. mA* @ 24 VDC	Avg. mA* @ 12 V FWR**	Avg. mA* @ 24 V FWR**
S1224MC	S1224MCW	12/24	15	65	59	42	38
			15/75	79	69	48	43
			30	NA	NA	57	68
			75	NA	NA	100	90
			110	NA	NA	130	118

SpectrAlert Wall Mount Horns

Red Model	White Model	Voltage	Candela	Avg. mA* @Nom. VDC	Avg. mA* @Nom. FWR**
H12/24	H12/24W	12/24	NA	10/25	10/18

SpectrAlert Wall Mount Weatherproof

Red Model	Description	Voltage	Candela	Avg. mA* @Nom. VDC	Avg. mA* @Nom. FWR**
P121575K	Horn/Strobe	12	15/75	124	167
P241575K	Horn/Strobe	24	15/75	74	82
P2475K	Horn/Strobe	24	75	148	167
P24110K	Horn/Strobe	24	110	165	209
S121575K	Strobe	12	15/75	142	171
S241575K	Strobe	24	15/75	49	64
S2475K	Strobe	24	75	123	159
S24110K	Strobe	24	110	140	191
H12/24K	Horn	12/24	NA	10/25	10/18

*Horn and Horn/Strobe current draws assume horn is set at temporal-3, electromechanical tone, and high audibility.

** FWR = Full Wave Rectified

SpectraAlert Ceiling Mount Horns/Strobes

Red Model	White Model	Voltage	Candela	Avg. mA* @Nom. VDC	Avg. mA* @Nom. FWR**
PC2415	PC2415W	24	15	71	89
PC241575	PC241575W	24	15/75	79	96
PC2430	PC2430W	24	30	91	113
PC2475	PC2475W	24	75	150	174
PC2495	PC2495W	24	95	176	207
PC24115	PC24115W	24	115	214	264
PC24177	PC24177W	24	177	314	334

SpectraAlert Ceiling Mount Strobes

Red Model	White Model	Voltage	Candela	Avg. mA @Nom. VDC	Avg. mA @Nom. FWR**
SC2415	SC2415W	24	15	48	55
SC241575	SC241575W	24	15/75	56	62
SC2430	SC2430W	24	30	68	79
SC2475	SC2475W	24	75	127	140
SC2495	SC2495W	24	95	153	173
SC24115	SC24115W	24	115	191	230
SC24177	SC24177W	24	177	291	300

SpectraAlert Ceiling Mount Speaker/Strobes

White Model	Voltage	Candela	Avg. mA @Nom. VDC	Avg. mA @Nom. FWR**
SP2C2415	24	15	48	55
SP2C241575	24	15/75	56	62
SP2C2430	24	30	68	79
SP2C2475	24	75	127	140
SP2C2495	24	95	153	173
SP2C24115	24	115	191	230
SP2C24177	24	177	291	300

SpectraAlert Dual Voltage Evacuation Speakers

Red Model	White Model	Description	Speaker Voltage
-	SP200W	Round 7 $\frac{3}{8}$ " grille, $\frac{1}{4}$ -2 watt power tap	25.0/70.7 Vrms
SP201R	SP201W	Square, 5" grille, $\frac{1}{4}$ -2 watt power tap	25.0/70.7 Vrms

SpectraAlert Selectable Output Wall Mount Speaker/Strobes

Red Model	White Model	Voltage	Candela	Avg. mA @Nom. VDC	Avg. mA @Nom. FWR**
SP2R1224MC	SP2W1224MC	12/24	15	42	38
			15/75	48	43
			30	57	68
			75	100	90
			110	130	118

SpectraAlert Sync • Circuit Module

Red Model	White Model	Voltage	Candela	Avg. mA* @Nom. VDC	Avg. mA* @Nom. FWR**
MDL	MDLW	12/24	NA	16	24

SpectraAlert Accessory Mounting Plates

Red Model	White Model	Description
S-MP	S-MPW	Small footprint mounting plate for single gang only
BBS	BBSW	Surface-mount back box skirt
D-MP	D-MPW	Universal mounting plate (replacement)
WBB	—	Weatherproof back box
BBSC	BBSCW	Surface-mount back box skirt for ceiling mount products
BBS-SP2R	BBS-SP2W	Surface-mount back box skirt for wall mount speaker/strobe

*Horn and Horn/Strobe current draws assume horn is set at temporal-3, electromechanical tone, and high audibility.

** FWR = Full Wave Rectified

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System Sensor is a global manufacturer of fire detection and notification devices, specializing in smoke detection and notification technology. System Sensor places a premium on research and development, resulting in products that are reliable, sophisticated and designed for real-world applications. With sales, service and manufacturing facilities throughout the Americas, Europe and Asia, System Sensor's high quality, innovative products are the most comprehensive in the industry.

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