

SpectrAlert™ Wall-Mount Horns, Strobes, and Horn/Strobes



Models Available*

Horn/Strobes

P1215	P121575
P2415	P241575
P2430	P2475
P24110	

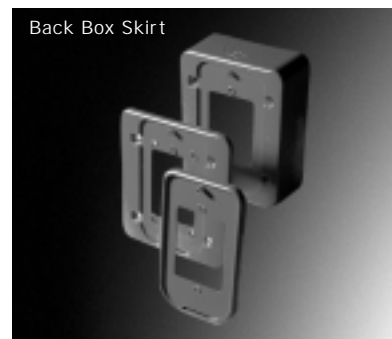
Strobes

S1215	S121575
S2415	S241575
S2430	S2475
S24110	

Horns

H12/24

* Refer to Ordering Information for other configurations



Product Overview

Meet UL and ADA signaling requirements

Low current draw

- More devices per loop
- Lower installed cost

Universal mounting plate included

Accessory mounting plates available

Field-selectable horn tones

- Electromechanical / 3kHz
- Temporal 3 / Non-temporal 3
- High / Low dBA output

Available in 15, 15/75, 30, 75, and 110 candela

Synchronizable horns and strobes with Sync•Circuit™ module

Aesthetic design

System Sensor's SpectrAlert wall-mount series includes a complete line of electronic horns, strobes, and horn/strobes. Intended for primary signaling use, SpectrAlert products meet UL1971, UL464, and Americans with Disabilities Act requirements.

Performance. With its extremely efficient reflector design and Xenon flash tube, SpectrAlert offers current draw reductions as high as 40% over previous generation designs. By consuming less current, the flexibility to connect more devices per loop is possible, for a lower installed cost.

Installation. SpectrAlert products offer installation ease which also lowers the installed cost. By taking up no room in the back box, SpectrAlert strobes and horn/strobes make wiring connections simpler and faster. Each SpectrAlert includes a universal mounting plate for 4" square and single gang back box mounting. Accessory mounting plates are also available for small footprint or surface mount applications.

Flexibility. SpectrAlert offers the flexibility to meet a broad range of requirements. The SpectrAlert horns and horn/strobes feature a number of field-selectable/reversible horn tones. For visible requirements, SpectrAlert strobes and horn/strobes are available in a wide variety of configurations to address non-sleeping area, sleeping area, and corridor requirements. Offerings include 24-volt models at 15, 15/75, 30, 75, and 110 candela, and 12-volt devices at 15 and 15/75 candela.

Aesthetics. To meet building owner aesthetic requirements, SpectrAlert incorporates a stylish, low profile design. And this aesthetic is consistent across all SpectrAlert wall-mount products.



General

SpectrAlert horns, strobes and horn/strobes shall be capable of mounting to a standard 4" x 4" x 1½" back box or a single gang 2" x 4" x 1⅞" back box using the universal mounting plate included with each SpectrAlert product. Also, SpectrAlert products, when used in conjunction with the accessory Sync•Circuit Module, shall be powered from a non-coded power supply and shall operate on 12 or 24 volts. 12 volt rated devices shall have an operating voltage range of 10.7–17 volts. 24-volt rated devices shall have an operating voltage range of 20–30 volts. SpectrAlert products shall have an operating temperature of 32° to 120°F and operate from a regulated DC or full wave rectified, unfiltered power supply.

Horn

Horn shall be a System Sensor SpectrAlert Model _____ capable of operating at 12 and 24 volts. Horn shall be listed to UL 464 for fire protective signaling systems. The horn shall have two tone options, two audibility options (at 24 volts) and the option to switch between a temporal 3 pattern and a non-temporal continuous pattern. All horn models shall operate on a coded power supply.

Strobe

Strobe shall be a System Sensor SpectrAlert Model _____ listed to UL 1971 and be approved for fire protective service. 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 1Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

Horn/Strobe Combination

Horn/Strobe shall be a System Sensor SpectrAlert Model _____ listed to UL 1971 and UL 464 and shall be approved for fire protective service. 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 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 horn shall have two tone options, two audibility options (at 24 volts) and the option to switch between a temporal 3 pattern and a non-temporal continuous pattern. Strobes shall be powered independently of the sounder with the removal of factory installed jumper wires. The horn on horn/strobe models shall operate on a coded or non-coded power supply (the strobe must be powered continuously).

Synchronization Module

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 horns at temporal 3. Also, the module shall silence the horns on horn/strobe models, while operating the strobes, over a single pair of wires. The module shall be capable of mounting to a 4^{11/16}" x 4^{11/16}" x 2^{1/8}" back box and shall control two Style Y (class B) or one Style Z (class A) circuit. Module shall be capable of multiple zone synchronization by daisy chaining multiple modules together and re-synchronizing each other along the chain. The module shall not operate on a coded power supply.

Specifications

<p>Walk Test SpectrAlert horn/strobe and horn only work on "walk tests" with time durations of 4 seconds or greater</p> <hr/> <p>Input Terminals 12 to 18 AWG</p> <hr/> <p>Dimensions Strobe and horn/strobe with universal plate 5" x 5^{5/8}" x 2^{15/16}" Strobe and horn/strobe with small footprint plate 3^{3/8}" x 5^{5/8}" x 2^{5/16}" Horn with universal mounting plate 5" x 5^{5/8}" x 1^{5/16}" Horn without mounting plate 2^{15/16}" x 5^{5/16}" x 1^{5/16}"</p>	<p>Weight, horn only 7.2 oz.</p> <hr/> <p>Weight, strobe and horn/strobe 8.8 oz.</p> <hr/> <p>Mounting 4" x 4" x 1½" or 2" x 4" x 1⅞" standard boxes</p> <hr/> <p>Indoor Operating Temperature 32°F to 120°F (0°C to 49°C)</p> <hr/> <p>Maximum humidity 95% as tested per UL464</p>	<p>Weatherproof (horn and horn/strobes) Operating Temperature 32°F to 150°F (0°C to 66°C) (outdoor strobe only) -40°F to 158°F (-40°C to 70°C) ULC Canadian Models -40°C to 66°C</p> <hr/> <p>Voltages 12 or 24VDC and FWR unfiltered Operating voltage range* 12V: 10.5-17V; 24V: 20-30V Operating voltage range* (with Sync•Circuit module, MDL) 12V, 11-17V; 24V, 20-30V</p> <p>* These products should be operated within their rated voltage range; UL does, however, test functional integrity to -20% and +10% of manufacturer's stated ranges.</p> <hr/> <p>U.S. Patent Numbers 5,593,569 5,914,665 6,049,446</p>
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SpectrAlert Ordering Information

	Red	White	Voltage	Candela	Avg. mA* @Nom. VDC	Avg. mA* @Nom.FWR**	
Horn/Strobes	P1215	P1215W	12	15	124	167	
	P121575	P121575W	12	15/75	152	181	
	P2415	P2415W	24	15	68	78	
	P241575	P241575W	24	15/75	74	82	
	P2430	P2430W	24	30	92	100	
	P2475	P2475W	24	75	148	167	
	P24110	P24110W	24	110	165	209	
	P121575K (weatherproof)	—	12	15/75	124	167	
	P241575K (weatherproof)	—	24	15/75	74	82	
	P2475K (weatherproof)	—	24	75	148	167	
	P24110K (weatherproof)	—	24	110	165	209	
	P241575P (no lettering)	P241575PW	24	15/75	74	82	
	P241575AG (AGENT)	—	24	15/75	74	82	
	P241575EV (EVAC)	—	24	15/75	74	82	
	Canada	P2415A	P2415WA	24	15	68	78
		P241575A	P241575WA	24	15/75	74	82
		P2475A	P2475WA	24	75	148	167
	P24110A	P24110WA	24	110	165	209	
	P241575KA (weatherproof)	—	24	15/75	74	82	
	P2475KA (weatherproof)	—	24	75	148	167	
	P24110KA (weatherproof)	—	24	110	165	209	
Latin America	P241575F (FUEGO)	—	24	15/75	74	82	
Strobes	S1215	S1215W	12	15	114	157	
	S121575	S121575W	12	15/75	142	171	
	S2415	S2415W	24	15	43	60	
	S241575	S241575W	24	15/75	49	64	
	S2430	S2430W	24	30	67	82	
	S2475	S2475W	24	75	123	159	
	S24110	S24110W	24	110	140	191	
	S121575K (weatherproof)	—	12	15/75	142	171	
	S241575K (weatherproof)	—	24	15/75	49	64	
	S2475K (weatherproof)	—	24	75	123	159	
	S24110K (weatherproof)	—	24	110	140	191	
	S241575P (no lettering)	S241575PW	24	15/75	49	64	
	S241575AG (AGENT)	—	24	15/75	49	64	
	S241575EV (EVAC)	—	24	15/75	49	64	
	Canada	S2415A	S2415WA	24	15	43	60
		S241575A	S241575WA	24	15/75	49	64
		S2475A	S2475WA	24	75	123	149
	S24110A	S24110WA	24	110	140	191	
	S241575KA (weatherproof)	—	24	15/75	49	64	
	S2475KA (weatherproof)	—	24	75	123	149	
	S24110KA (weatherproof)	—	24	110	140	191	
Latin America	S241575F (FUEGO)	—	24	15/75	49	64	
Horns	H12/24	H12/24W	12/24	NA	10/25	10/18	
	H12/24K (weatherproof)	—	12/24	NA	10/25	10/18	
	Canada	HC12/24A	HC12/24WA	12/24	NA	10/25	10/18
		HC12/24KA	—	12/24	NA	10/25	10/18
Sync•Circuit	MDL	MDLW	12/24	NA	10/11	12/15	
Module	Canada	MDLA	MDLWA	12/24	NA	10/11	12/15
Small Footprint Mounting							
Plate for Single Gang Only	S-MP	S-MPW	NA	NA	NA	NA	
Surface Mount Back Box Skirt	BBS	BBSW	NA	NA	NA	NA	
Universal Mounting							
Plate (replacement)	D-MP	D-MPW	NA	NA	NA	NA	
Weatherproof Back Box	WBB	—	NA	NA	NA	NA	

Notes: Agency Listings- Indoor models: UL, ULC, FM, CSFM, MEA. Weatherproof models: UL, CSFM (strobe only), MEA, ULC.
 All of these SpectrAlert products are designed for wall mount only. All weatherproof models must use weatherproof back box model WBB. Installation of less than 75 candela strobes may be permissible under the equivalent facilitation clause of the ADAAG (Sec. 2.2). However, it is the responsibility of the person or entity designing the fire alarm system to determine the acceptability of less than 75 candela strobes. All 15/75 candela strobes or horn/strobes are recommended for 20' x 20' rooms or less.
 *Horn and horn/strobe current draws assume horn is set at temp 3, electromechanical tone and high audibility.
 ** FWR = Full Wave Rectified

System Sensor Sales and Service

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