

# SpectrAlert™ Colored Lens Strobes and Horn/Strobes



## Models Available\*

### Strobes

| Red      | White     |
|----------|-----------|
| S2475RLP | S2475RLPW |
| S2475ALP | S2475ALPW |
| S2475GLP | S2475GLPW |
| S2475BLP | S2475BLPW |

### Horn/Strobes

| Red      | White     |
|----------|-----------|
| P2475RLP | P2475RLPW |
| P2475ALP | P2475ALPW |
| P2475GLP | P2475GLPW |
| P2475BLP | P2475BLPW |

### Accessories

| Red  | White |
|------|-------|
| S-MP | S-MPW |
| BBS  | BBSW  |



## Product Overview

Available with red, amber, green, or blue lens

Meets UL 1638 (Private Mode) requirements

Strobes & Horn/Strobes operate at 24 volts

Low current draw

Field-selectable horn tones

Universal mounting plate included

Accessory mounting plates available

Synchronizable with Sync•Circuit™ module

**SpectrAlert Colored Lens series strobes and horn/strobes provide many of the same benefits as the original SpectrAlert design, but with the choice of colored lenses for signaling differentiation. Intended for private mode applications, the Colored Lens strobe and horn/strobe meet UL 1638, 'Private Mode Emergency and General Utility Signaling'.**

**Flexibility.** SpectrAlert Colored Lens products are designed for use in niche applications not requiring UL 1971 notification devices. SpectrAlert strobes and horn/strobes are offered with red, amber, green, and blue lenses for use in special alarm systems such as gas alarms, suppression systems, non-fire applications requiring evacuation signaling, and as warning, trouble, or identification signals.

**Performance.** The low current draw of SpectrAlert products helps minimize power supply requirements. By consuming less current, the flexibility to connect more devices per loop is possible, for a lower installed cost.

**Installation.** SpectrAlert products are easy to use, to help reduce installation costs. 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.



## Engineering Specifications

### General

SpectrAlert strobes and horn/strobes shall be capable of mounting to a standard 4"x4"x1½" back box or a single gang 2"x4"x1½" back box using the universal mounting plate included with each SpectrAlert product. Strobes and Horn/Strobes shall have a light output of 75 candela, per UL 1638, and 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. 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 24 volts.

### Horn/Strobe Combination

Horn/Strobe shall be a System Sensor SpectrAlert Model \_\_\_\_\_ listed to UL 1638 and UL 464, and the flash rate shall be 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 two tone options, two audibility options 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 for the horn to operate).

### Strobe

Strobe shall be a System Sensor SpectrAlert Model \_\_\_\_\_ listed to UL 1638, 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.

## Specifications

### Input Terminals

12 to 18 AWG

### Dimensions

Strobe or Horn/Strobe with universal mounting plate: 5"x5½"x2½"

Strobe or Horn/Strobe with small footprint plate: 3⅝"x5⅝"x2⅝"

### Weight

7.2 oz.

### Mounting

4"x4" or 2"x4" standard backboxes

### Operating Temperature

32°F to 120°F.

### Voltages

24 VDC and FWR unfiltered

### Operating Voltage Range\*

24V: 20–30V

### Operating Voltage Range\*

24V, 21–30V (with Sync-Circuit module, MDL)

\*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.

## Horn/Strobe Sound Output

| Electromechanical Tone   |      | UL Reverberant Room dBA @ Volts DC 24 | Anechoic Room Peak dBA @ 10 ft./Volts DC 24 |
|--------------------------|------|---------------------------------------|---------------------------------------------|
| Volume                   | Tone |                                       |                                             |
| High                     | Temp | 82                                    | 101                                         |
|                          | Non  | 88                                    | 101                                         |
| Low                      | Temp | 75                                    | 96                                          |
|                          | Non  | 82                                    | 96                                          |
| 3000 Hz Interrupted Tone |      | UL Reverberant Room dBA @ Volts DC 24 | Anechoic Room Peak dBA @ 10 ft./Volts DC 24 |
| Volume                   | Tone |                                       |                                             |
| High                     | Temp | 85                                    | 101                                         |
|                          | Non  | 88                                    | 101                                         |
| Low                      | Temp | 79                                    | 96                                          |
|                          | Non  | 82                                    | 96                                          |

## Ordering Information

|                                        | Red      | White     | Lens Color | Voltage | Candela | Avg. mA @24 VDC | Avg. mA @24 VFWR |
|----------------------------------------|----------|-----------|------------|---------|---------|-----------------|------------------|
| Strobes                                | S2475RLP | S2475RLPW | Red        | 24      | 75      | 140             | 191              |
|                                        | S2475ALP | S2475ALPW | Amber      | 24      | 75      | 140             | 191              |
|                                        | S2475GLP | S2475GLPW | Green      | 24      | 75      | 140             | 191              |
|                                        | S2475BLP | S2475BLPW | Blue       | 24      | 75      | 140             | 191              |
|                                        |          |           |            |         |         |                 |                  |
| Horn/Strobes*                          | P2475RLP | P2475RLPW | Red        | 24      | 75      | 165             | 209              |
|                                        | P2475ALP | P2475ALPW | Amber      | 24      | 75      | 165             | 209              |
|                                        | P2475GLP | P2475GLPW | Green      | 24      | 75      | 165             | 209              |
|                                        | P2475BLP | P2475BLPW | Blue       | 24      | 75      | 165             | 209              |
|                                        |          |           |            |         |         |                 |                  |
| Sync•Circuit Model Number              | MDL      | MDLW      | NA         | 12/24   | NA      | 10/11           | 12/15            |
| Small Footprint Mounting Plate         | S-MP     | S-MPW     | NA         | NA      | NA      | NA              | NA               |
| Surface Mount Back Box Skirt           | BBS      | BBSW      | NA         | NA      | NA      | NA              | NA               |
| Universal Mounting Plate (Replacement) | D-MP     | D-MPW     | NA         | NA      | NA      | NA              | NA               |

\*Horn/strobe current draws reflect factory setting of temporal 3, electromechanical tone, high audibility.

## System Sensor Sales and Service

### System Sensor Headquarters

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1-800-736-7672 x3  
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### System Sensor in Singapore

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### System Sensor in the Far East

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