



RSS Series High-candela Strobes



- ▶ **New UL Regulated voltage range of 16 V to 33 V using filtered DC or unfiltered FWR voltage**
- ▶ **Strobes produce 1 flash per second over the regulated voltage range**
- ▶ **ADA/NFPA/ANSI compliant**
- ▶ **Zero inrush above peak**
- ▶ **Compatible with SM and DSM Synchronization Modules**
- ▶ **Fast installation with In and Out screw terminals using 18 AWG (1.2 mm) to 12 AWG (2.3 mm) diameter wire**

These Wheelock high-candela strobes provide intensities of 115 cd, 135 cd, 177 cd, and 185 cd.

They can be synchronized when used with the SM (single) and DSM (dual) Synchronization Modules or compatible control panel. Synchronized strobes can eliminate possible restrictions on the number of strobes in the field of view. When synchronized, these strobes comply with ADA requirements concerning photosensitive epilepsy and meet the requirements of NFPA 72.

| | |
|---------|---|
| NYC/MEA | 151-92-E, Vol. 41 |
| CBFP | City of Chicago Bureau of Fire Protection |
| ADA | Complies with Americans with Disabilities Act |
| ANSI | Complies with American National Standards Institute ANSI 117.1 |
| ISO | Complies with International Standards Organization |
| NFPA | Complies with National Fire Protection Association NFPA 72 |
| OSHA | Complies with Occupational Safety and Health Administration OSHA 29 Part 1910.165 |

Certifications and Approvals

Cooper Wheelock, Inc. holds these Listings and Approvals:

| Region | Certification |
|--------|---|
| USA | UL UUKC: Signaling Appliances and Equipment for the Hearing Impaired (UL1971) |
| | CSFM 7125-0785: 141 |

Installation/Configuration Notes

Compatible Products

The following products are compatible with the RSS Series Strobes:

| Category | Product ID | Product Description |
|----------------|----------------------|---------------------|
| Control Panels | D7024 ¹ | Addressable FACP |
| | D7024 | Conventional FACP |
| | D8024 ² | Analog FACP |
| | D9124 ² | Addressable FACP |
| | D10024A ² | Analog FACP |

| Category | Product ID | Product Description |
|----------|-------------|-------------------------------------|
| Modules | SM-12/24-R | Single synchronization module (red) |
| | DSM-12/24-R | Dual synchronization module (red) |

¹ When used with a D7039 Multiplex Expansion Module, the D7024 becomes an addressable fire alarm control panel (FACP).

² For synchronization, use the SM or DSM Synchronization Modules with these control panels.

Mounting Considerations

These strobe appliances use an integral strobe mounting plate for mounting on the indicated back boxes for the indicated applications:

| | Conduit Applications | Surface Mounted | Flush Mounted |
|------------------|----------------------|-----------------|---------------|
| Single-gang | | | • |
| Double-gang | | • | • |
| Four-inch square | | | • |
| 100-mm European | | | • |
| BB-R | • | • | |
| SHBB-R | | • | |

All models have an attractive cover plate for a clean, finished appearance.

Wiring

Note Do not use these strobe units in coded or pulsed signaling circuits.

The input terminals accept wires with diameters between 18 AWG (1.2 mm) and 12 AWG (2.3 mm).

Parts Included

| Quant. | Component |
|--------|-----------------|
| 1 | Strobe |
| 1 | Hardware pack |
| 1 | Literature pack |

Technical Specifications

Environmental Considerations

| | |
|--------------------------|--------------------------------|
| Relative Humidity: | Up to 85%, non-condensing |
| Temperature (Operating): | +32°F to +120°F (0°C to +49°C) |

Mechanical Properties

| | |
|-------------------------|--|
| Dimensions (H x W x D): | 4.75 in. x 4.75 in. x 2.5 in. (12.1 cm x 12.1 cm x 6.4 cm) |
| Material: | Molded plastic enclosure incorporating a Xenon flashtube and Lexan lens. |

Power Requirements

| | |
|-----------------------------------|--|
| Current Draw at 16 VDC to 33 VDC: | 115 cd: 300 mA RMS maximum 135 cd: 300 mA RMS maximum 177 cd: 420 mA RMS maximum 185 cd: 420 mA RMS maximum |
|-----------------------------------|--|

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|-----------------------------------|--|
| Current Draw at 16 FWR to 33 FWR: | 115 cd: 455 mA RMS maximum 135 cd: 455 mA RMS maximum 177 cd: 645 mA RMS maximum 185 cd: 645 mA RMS maximum |
|-----------------------------------|--|

| | |
|------------------|---|
| Voltage (Input): | 24 VDC nominal; 16 VDC or FWR to 33 VDC or FWR |
|------------------|---|

Trademarks

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Ordering Information

| | |
|--|-----------------------|
| RSS-24MCCH-FR Ceiling-mount Strobes (square, red) Square, red ceiling-mount strobe with intensities of 115 cd, 135 cd, 177 cd, and 185 cd | RSS-24MCCH-FR |
| RSS-24MCCH-FW Ceiling-mount Strobe (square, white) Square, white ceiling-mount strobe with intensities of 115 cd, 135 cd, 177 cd, and 185 cd | RSS-24MCCH-FW |
| RSS-24MCCHR-FR Ceiling-mount Strobe (round, red) Round, red ceiling-mount strobe with intensities of 115 cd, 135 cd, 177 cd, and 185 cd | RSS-24MCCHR-FR |
| RSS-24MCCHR-FW Ceiling-mount Strobe (round, white) Round, white ceiling-mount strobe with intensities of 115 cd, 135 cd, 177 cd, and 185 cd | RSS-24MCCHR-FW |
| RSS-24MCWH-FR Wall-mount Strobe (square, red) Square, red wall-mount strobe with intensities of 115 cd, 135 cd, 177 cd, and 185 cd | RSS-24MCWH-FR |
| RSS-24MCWH-FW Wall-mount Strobe (square, white) Square, white wall-mount strobe with intensities of 115 cd, 135 cd, 177 cd, and 185 cd | RSS-24MCWH-FW |

Ordering Information

Accessories

| | |
|---|---------------|
| BB-R Steel Back Box Black, 10.2 cm (4 in.) square, 3.8 cm (1.5 in.) deep | BB-R |
| DBB-R Steel Back Box (red) 8.6 cm (3.375 in.) square, 5.6 cm (2.1875 in.) deep | DBB-R |
| NATP-R Trim Plate (red) 13.3 cm (5.25 in.) square, 2.1 cm (0.8125 in.) thick | NATP-R |
| NATP-W Trim Plate (white) 13.3 cm (5.25 in.) square, 2.1 cm (0.8125 in.) thick | NATP-W |
| RP-R Retrofit Plate (red) 20.3 cm (8 in.) high, 14.9 cm (5.875 in.) wide | RP-R |
| SBB-R Surface-mount Back Box (red) 14 cm (5.5 in.) x 14.2 cm (5.6 in.) x 9.1 cm (3.6 in.) | SBB-R |
| SBB-W Surface-mount Back Box (white) 14 cm (5.5 in.) x 14.2 cm (5.6 in.) x 9.1 cm (3.6 in.) | SBB-W |
| SFP-R Semi-flush Plate (red) 15.2 cm (6 in.) square by 0.8 cm (0.3125 in.) thick | SFP-R |
| SHBB-R Shallow Surface Back Box (red) 12.7 cm (5 in.) square by 4 cm (1.56 in.) deep | SHBB-R |

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