

RSS Wall-mount High-candela Strobes

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Invented for life



- ▶ 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
- ▶ Fast installation with In and Out screw terminals using 18 AWG to 12 AWG (ISO 0.75 mm² to 4 mm²) diameter wire

These Wheelock high-candela strobes provide intensities of 135 cd or 185 cd. They can be synchronized when used with the SM (single) and DSM (dual) Synchronization Modules or a 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.

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	see our website

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
	FPD-7024 ¹	Addressable FACP
	FPD-7024	Conventional FACP
Modules	FPA-1000	Analog Addressable FACPs
	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 FPD-7024 and D7024 become addressable fire alarm control panels (FACPs).

² For synchronization, use the DSM-12/24-R Synchronization Module 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	Semi-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



Notice

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

The input terminals accept wires with diameters between 18 AWG and 12 AWG (ISO 0.75 mm² and 4 mm²).

Parts included

Quant.	Component
1	Strobe
1	Hardware pack
1	Literature pack

Technical specifications

Electrical

Current Draw at 16 VDC to 33 VDC:	135 cd: 300 mA RMS maximum 185 cd: 420 mA RMS maximum
Current Draw at 16 FWR to 33 FWR:	135 cd: 455 mA RMS maximum 185 cd: 645 mA RMS maximum
Voltage (Input):	24 VDC nominal; 16 VDC or FWR to 33 VDC or FWR

Environmental

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

Mechanical

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.

Trademarks

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All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information

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
Order number **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
Order number **RSS-24MCWH-FW**

Accessories

BB-R Steel Back Box

Black, 10.2 cm (4 in.) square, 3.8 cm (1.5 in.) deep
Order number **BB-R**

DBB-R Steel Back Box (red)

8.6 cm (3.375 in.) square, 5.6 cm (2.1875 in.) deep
Order number **DBB-R**

NATP-R Trim Plate (red)

13.3 cm (5.25 in.) square, 2.1 cm (0.8125 in.) thick.
Not Available.
Order number **NATP-R**

NATP-W Trim Plate (white)

13.3 cm (5.25 in.) square, 2.1 cm (0.8125 in.) thick
Order number **NATP-W**

RP-R Retrofit Plate (red)

20.3 cm (8 in.) high, 14.9 cm (5.875 in.) wide.
Not Available.
Order number **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.)
Order number **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.)
Order number **SBB-W**

SFP-R Semi-flush Plate (red)

15.2 cm (6 in.) square by 0.8 cm (0.3125 in.) thick
Order number **SFP-R**

SHBB-R Shallow Surface Back Box (red)

12.7 cm (5 in.) square by 4 cm (1.56 in.) deep
Order number **SHBB-R**

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