RSS 24 V Fixed-candela Strobes

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BOSCH
Invented for life

▶ UL Regulated voltage ranges of 16 V to 33 V using filtered DC or unfiltered FWR voltage

▶ Strobes produce 1 flash per second over the regulated voltage range; listed at 15 cd, but providing 75 cd on axis

▶ ADA/NFPA/ANSI compliant

▶ Zero inrush above peak

These Wheelock fixed-candela strobes provide intensities of 15/75 cd. They can be synchronized when used with the DSM Synchronization Module 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 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
	FPA-1000	Analog Addressable FACP
Modules	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 panel (FACP).
[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	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

ℹ **Notice**
Do not use these units in coded or pulsed signaling circuits.

The input terminals accept wires with diameters between 18 AWG and 12 AWG (ISO 0.75 mm^2 and 4 mm^2).

Parts included

Quant.	Component
1	Strobe
1	Hardware pack
1	Literature pack

Technical specifications

Electrical

Current Draw	
• at 16 VDC to 33 VDC:	15/75 cd*: 90 mA RMS maximum
• at 16 FWR to 33 FWR:	15/75 cd*: 145 mA RMS maximum
Voltage (24 V nominal)	16 VDC or FWR to 33 VDC or FWR

***Although Listed under UL1971 at 15 cd, the strobe produces 75 cd on axis.

Environmental

Relative Humidity:	Up to 95%, non-condensing
Temperature (Operating):	0°C to +49°C (+32°F to +120°F)

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

Ordering information

RSS-241575W-FR 24 VDC Wall-mount Strobe (square, red)
This Wheelock red, 24 VDC, wall-mount, fixed-candela strobe is listed at 15 cd, but provides 75 cd on axis. It can be synchronized when used with the SM (single) and DSM (dual) Synchronization Modules or a compatible control panel.
Order number **RSS-241575W-FR**

RSS-241575W-FW 24 VDC Wall-mount Strobes (square, white)
This Wheelock white, 24 VDC, wall-mount, fixed-candela strobe is listed at 15 cd, but provides 75 cd on axis. It can be synchronized when used with the SM (single) and DSM (dual) Synchronization Modules or a compatible control panel.
Order number **RSS-241575W-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**

DSM-12/24-R Dual Synchronization Module (red)
A 12/24 VDC Cooper Wheelock module that synchronizes notification appliances on a single Class A or two Class B circuits.
Order number **DSM-12/24-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**