W-STxC Ceiling-mount Multi-candela Strobes

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BOSCH
Invented for life

▶ Sleek modern aesthetics

▶ Multiple voltages (12 VDC or 24 VDC)

▶ Voltage test points

▶ Eight strobe candela options

▶ Universal mounting base

The Cooper Wheelock Exceder Series Strobes feature a sleek modern design that incorporates high reliability and high-efficiency optics to minimize current draw. The reduced current draw allows for a greater number of devices on the two-wire notification appliance circuit. This, in combination with eight candela options in one appliance, no tools needed for changing settings, voltage test points, 12 V or 24 V DC operation, the universal mounting base, and multiple mounting options results in a reduced cost of ownership.

These strobes provide eight candela settings. All the switches to change these settings can be set without a tool and are located behind the appliance to prevent tampering.

The separate universal mounting base can be easily mounted to five industry-standard back box types. They can also be pre-wired to allow full testing of the circuit wiring before the appliance is installed and the surface finished. These wall-mounting strobes also feature voltage test points for taking readings with a volt meter for troubleshooting or AHJ inspection.

Certifications and approvals

Cooper Wheelock holds these Listings and Approvals:

Region	Certification	
USA	UL	UUKC: Signaling Appliances and Equipment for the Hearing Impaired (ANSI/UL 1971), UVAV: Visual-signal Appliances for Fire-protective Signaling Systems (ANSI/UL 1638)
	FM	see the FM Approval Guide
	CSFM	see our website

Installation/configuration notes

Compatibility
Strobe:

These strobes provide a non-synchronized strobe appliance when connected directly to a Fire Alarm Control Panel (FACP), or provide a synchronized strobe appliance when used in conjunction with an FACP that incorporates the Cooper Notification sync protocol, a Cooper Notification Sync Module, or the

Cooper Notification Power Supply. They are designed to flash at 1 flash per second minimum over their Regulated Voltage Range.

> **ℹ Notice**
> Strobes are not designed to be used on coded systems in which the applied voltage is cycled on and off.

Compatible Products

The following Bosch Security Systems, Inc. products are compatible with the Cooper Wheelock Exceder Series Strobes:

Category	Product ID	Product Description
Control Panels	FPA-1000[1]	Analog Addressable Fire Panels
	FPD-7024[1]	Conventional or Addressable[2] FACP
	D10024A[3]	Analog FACP
	D8024[3]	Analog FACP
	D9124[3]	Addressable FACP
	D7024[3]	Conventional or Addressable[2] FACP
	D7022[3]	Conventional FACP
Modules	SM-12/24-R	Synchronization module (red)
	DSM-12/24-R	Dual synchronization module (red)
Power Supplies	FPP-RNAC-8A-4C[1]	Remote Notification Appliance Circuit (RNAC) Power Supply
	PS-24-8MC[1]	Power supply with built-in synchronization protocol

[1] These products have built-in Cooper Notification synch protocol.
[2] When used with a D7039 Multiplex Expansion Module, the FPD-7024 and D7024 become addressable FACPs.
[3] For synchronization, use the SM or DSM modules with these control panels.

Mounting Considerations

The Universal Mounting Base supplied with each strobe can be pre-wired. With the supplied Contact Cover in place, the pre-wired circuit can be checked for continuity before the strobes are mounted. The strobes snap onto the pre-installed Universal Mounting Bases with the Contact Covers removed and can be secured to the base with an optional securing screw. The Universal Mounting Base flush mounts on single-gang, double-gang, 4 in. square, 4 in. octal, 3.5 in. octal and 100 mm European-type back boxes.

Wiring Considerations

The wiring terminals on the Universal Mounting Base accept two appliance wires with diameters between 12 AWG and 18 AWG (ISO 4 mm² and 0.75 mm²) at each terminal.

Parts included

Quant.	Component
1	Strobe appliance
1	Universal mounting base
1	Contact cover
1	Hardware pack • Two pan head mounting screws • One securing screw
1	Literature – Installation Instructions

Technical specifications

Electrical

Strobe Current Draw

24 V nominal (16.0 V to 33.0 V range)

Voltage Type	Current Draw
DC:	15 cd: 61 mA, 30 cd: 85 mA, 60 cd: 103 mA, 75 cd: 135 mA, 95 cd: 163 mA, 115 cd: 182 mA, 150 cd: 205 mA, 177 cd: 253 mA
FWR:	15 cd: 83 mA, 30 cd: 105 mA, 60 cd: 166 mA, 75 cd: 185 mA, 95 cd: 223 mA, 115 cd: 256 mA, 150 cd: 328 mA, 177 cd: 372 mA

12 V nominal (8.0 V to 17.5 V range)

Voltage Type	Current Draw
DC:	15 cd: 110mA

Voltage (input)

Regulated	Range
12 VDC	8.0 V to 17.5 V
24 VDC or Vrms	16.0 V to 33.0 V

Environmental

Environment:	Indoor, dry
Relative Humidity:	93±2% maximum, non-condensing
Temperature (operating):	+32ºF to +120ºF (0ºC to +49ºC)

Mechanical

Candela Ratings[1]:	15 cd, 30 cd, 60 cd, 75 cd, 95 cd, 115 cd, 150 cd, or 177 cd
Dimensions:	6.68 in. diameter x 2.63 in. depth (170 mm diameter x 67 mm depth)
Material:	Molded plastic enclosure incorporating a Xenon flashtube and Lexan lens.

[1] When set for 12 V operation, strobe devices are only approved by UL to be set at 15 cd and only to be powered by DC not FWR.

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

Ordering information

W-STRC Ceiling-mount Multi-candela Strobe (two-wire, 12/24 V, red)
Circular red two-wire strobe that is field-selectable for eight candela options.
Order number **W-STRC**

W-STWC Ceiling-mount Multi-candela Strobe (two-wire, 12/24 V, white)
Circular white two-wire strobe that is field-selectable for eight candela options.
Order number **W-STWC**

Accessories

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**

SM-12/24-R Single Synchronization Module (red)
A 12/24 VDC Cooper Wheelock module that synchronizes notification appliances on Class B alarm circuits.
Not Available.
Order number **SM-12/24-R**