

# CH70-241575W-FR Fixed-candela Chime Strobe (red)

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- ▶ Low current draw with temperature compensation to reduce power consumption and wiring costs
- ▶ 24 VDC, filtered or FWR
- ▶ Listed at 15 cd, but provides 75 cd on axis
- ▶ Adjustable volume and tone
- ▶ Single-stroke or vibrating tone

The Wheelock CH70-241575W-FR Fixed-candela, Wall-mount Chime Strobe provides a low current draw, a choice of single-stroke or vibrating operation, an adjustable sound level, and a chime tone adjustable from 800 Hz to 1200 Hz. The strobe is listed at 15 cd under UL Standard 1971 and meets 75 cd intensity on axis with low current draw. The strobe can be synchronized using an SM (single) or DSM (dual) module. There is also an attached mounting plate for easy indoor installation on a variety of electrical boxes.

## Functions

### Sound Mode Settings

The chimes are factory set in single-stroke mode. They can be changed to vibrating mode before wiring by moving a jumper.

### Single-Stroke Mode

The minimum input pulse duration must be at least 160 ms on and 160 ms off. The chime only operates once each time it is pulsed. Use this mode for coded systems.

### Vibrating Mode

Continuous input voltage must be applied to the chime to activate the chime at 1 sec intervals.

### Volume and Tone Settings

The volume and tone controls are factory set to ensure maximum dBA output. The volume and tone can be tuned to suit a particular application, but appropriate measurements must be taken to ensure the volume meets the UL464 listing requirements for private mode fire protective service.

## Certifications and approvals

Cooper Wheelock, Inc. holds these Listings and Approvals:

Region	Certification	
USA	UL	UCST: Audible Signal Appliances, General Signal (UL464), ULSZ: Audible Signal Appliances (UL464), 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 CH70 Fixed-candela Chime Strobe:

Category	Product ID	Product Description
Control Panels	D7022 <sup>1</sup>	Conventional FACP
	D7024 <sup>2</sup>	Addressable FACP
	D7024	Conventional FACP
	D8024 <sup>1</sup>	Analog FACP
	D9124 <sup>1</sup>	Addressable FACP
	D10024A <sup>1</sup>	Analog FACP
	FPD-7024 <sup>2</sup>	Addressable FACP
	FPD-7024	Conventional FACP
	FPA-1000	Analog Addressable FACP
Modules	SM-12/24-R	Synchronization module (red)
	DSM-12/24-R	Dual synchronization module (red)

<sup>1</sup> For synchronization, use the SM or DSM modules with these control panels. The synchronization module must be set for 24 V operation. When used, the D7022 must be set for 24 VDC operation.

<sup>2</sup> When used with a D7039 Multiplex Expansion Module, the FPD-7024 and D7024 become addressable fire alarm control panels (FACPs).

### Mounting Considerations

Mount these chime strobes on the indicated back boxes for the indicated applications:

	Conduit Applications	Surface Mounted	Flush Mounted
Four-inch square*			•
SBB Back Box	•	•	

\* Requires a four-inch square back box that is 2.125 in. (5.4 cm) deep with a 1.5 in. (3.8 cm) deep extension ring.

### Wiring

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

## Parts included

Quant.	Component
1	Chime strobe
1	Hardware pack
1	Literature pack

## Technical specifications

### Electrical

Chime Current (maximum):	22 mA
Strobe Current (maximum):	VDC: 90 mA FWR: 145 mA
Voltage (input)	24 VDC nominal, filtered or FWR

### Environmental

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

### Mechanical

Candela Ratings:	15 cd <sup>1</sup>
Dimensions (H x W x D):	5.1 in. x 5.1 in. x 5.2 in. (13 cm x 13 cm x 13.3 cm)
Material:	Molded plastic enclosure with Xenon flashtube and Lexan lens

<sup>1</sup> Although this product is UL Listed at 15 cd, it provides 75 cd on axis.

### Chime Ratings at 24 VDC

Reverberant dBA at 10 ft (3 m) per UL464:	Minimum: 52 dBA Maximum: 58 dBA
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### Trademarks

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

## Ordering information

### CH70-241575W-FR Fixed-candela Chime Strobe (red)

Provides a low current draw, a choice of single-stroke or vibrating operation, an adjustable sound level, and a chime tone adjustable from 800 Hz to 1200 Hz

Order number **CH70-241575W-FR**

### Accessories

#### ISP2-R Surface Adapter (red)

13.3 cm (5.25 in.) square, 3 cm (1.1875 in.) deep

Order number **ISP2-R**

#### RP-R Retrofit Plate (red)

20.3 cm (8 in.) high, 14.9 cm (5.875 in.) wide

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**

#### SBL2-R Retrofit Device Back Box (red)

dimensions 27.8 cm (10.9 in.) x 15.5 cm (6.1 in.) x 4.3 cm (1.7 in.)

Order number **SBL2-R**

**SER-R Square Semi-flush Extension Ring (red)**

12.7 cm (5 in.) square by 4 cm (1.5625 in.) deep

Order number **SER-R**

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**SFP-R Semi-flush Plate (red)**

15.2 cm (6 in.) square by 0.8 cm (0.3125 in.) thick

Order number **SFP-R**

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