

S8-70/25 Ceiling-mount Dual-voltage Speaker (white)

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Invented for life



- ▶ 24 VDC with a wide UL regulated voltage range using filtered VDC or unfiltered VRMS input
- ▶ Field-selectable voltages of 25 VRMS or 70 VRMS and powers from 1/8 W to 8 W
- ▶ High efficiency design for maximum output at minimum wattage across a frequency range of 400 Hz to 4 kHz
- ▶ Compatible with DC circuit supervision

The Wheelock S8-70/25 Ceiling-mount Dual-voltage Speaker provides high audible output with clear audibility at either of its field-selectable voltages (25 VRMS or 70 VRMS) and at all of its field-selectable powers (1/8 W, 1/4 W, 1/2 W, 1 W, 2 W, 4 W, or 8 W). The speakers have a 12-inch round metal grill and a molded, flame-retardant core.

Certifications and approvals

Cooper Wheelock, Inc. holds these Listings and Approvals:

| Region | Certification |
|--------|---|
| USA | UL UUMW: Speakers and Amplifiers for Fire Protective Signaling Systems (UL1480, UL1711, and UL2043) |
| | CSFM see our website |

Installation/configuration notes

Compatibility Information

These speakers are compatible with Wheelock SAFEPATH4 Facility Communication Systems and Bosch Voice Evacuation Systems.

Mounting Considerations

The S8-70/25 Speaker is designed to mount flush in a hung tile ceiling. The CBB-8 Circular Back Box or its equivalent is required to meet UL1480 requirements. When the speaker and back box cannot be installed directly through a ceiling tile, a support bridge (SBB-8 or equivalent) must be used.



Notice

Do not use these speakers in hazardous locations as defined by the National Electrical Code (NEC) and by NFPA. Do not expose these speakers to rain or moisture.

Wiring Considerations

The terminal block accepts two 12 AWG (2.3 mm) to 18 AWG (1.2 mm) stranded wires at each screw terminal.

Parts included

| Quant. | Component |
|--------|-----------------|
| 1 | Speaker |
| 1 | Literature pack |

Technical specifications

Environmental

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

Mechanical

| | |
|-----------|--|
| Color: | white, powder coat |
| Diameter: | Grill: 12 in. (30.5 cm) Speaker: 8 in. (20.3) |
| Weight: | 3.75 lb (1.7 kg) |

Electrical

Voltage

| | |
|------------|--------------------------------------|
| Range : | 16.0 VDC or VRMS to 33.0 VDC or VRMS |
| Regulated: | 24 VDC or VRMS |

Speaker Characteristics

| | |
|---------------------|---------------------------------------|
| Frequency Response: | 200 Hz to 15 kHz (400 Hz to 4 kHz UL) |
| Impedance: | 8 Ω |

Decibel Rating at 10 ft (3 m):

| | |
|--------|--------|
| 1/8 W: | 75 dBA |
| 1/4 W: | 78 dBA |
| 1/2 W: | 81 dBA |
| 1 W: | 84 dBA |
| 2 W: | 87 dBA |
| 4 W: | 90 dBA |
| 8 W: | 93 dBA |

Trademarks

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

Ordering information

S8-70/25 Ceiling-mount Dual-voltage Speaker (white)

Compatible with Wheelock SAFEPATH4 Facility Communication Systems and Bosch Voice Evacuation Systems

Order number **S8-70/25**

Accessories

CBB-8 Circular Back Box

Overall (flange) diameter of 31.3 cm (12.3125 in.), interior diameter of 24.8 cm (9.75 in.), depth of 10.3 cm (4.1 in.)

Order number **CBB-8**

SSB-8 Ceiling Support Bridge

23.75 in. (60.3 cm) long by 14.5 in. (36.8 cm) wide

Order number **SSB-8**

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