MIZ Piezoelectric Mini-horns

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BOSCH
Invented for life

- Operates on 24 VDC, filtered or unfiltered
- Field-selectable settings for temporal (Code 3) or continuous horn
- High sound output (90 dBA at 10 ft [3 m])
- Low current draw on two-wire loop
- Low temperature compensation

These Wheelock mini-horns are dual-tone alarm devices listed for indoor use under UL464 for Audible Appliances. They combine a low current draw for a high sound output and offer field-selectable tone settings for temporal (Code 3) or continuous horn tones. They use either filtered DC or unfiltered full wave rectified (FWR) input voltage. All inputs are polarized for standard reverse polarity supervision. They can be synchronized when used with the SM (single) and DSM (dual) Synchronization Modules or a compatible control panel. If not synchronized, the temporal sound patterns could overlap and not be distinctive.
Available in red for high visibility or off-white to blend in with room decor, these notification appliances offer the durability of high impact thermoplastic construction, easy installation through two-wire circuitry and single-gang box compatibility. They are ideal audible notification appliances for signaling alarms in individual rooms in apartments, hotels, motels, and offices.

Certifications and approvals

Cooper Wheelock, Inc. holds these Listings and Approvals:

Region	Certification	
USA	UL	UCST: Audible Signal Appliances, General Siganal (UL464), ULSZ: Audible Signal Appliances (UL464)
	FM	MIZ Family
	CSFM	see our website
Canada	ULC	ULSZC: Audible Signal Appliances, Fire Alarm, Including Accessories (CAN/ULC-S525 and ULC-S527)

Installation/configuration notes

Compatible Products
The following products are compatible with the MIZ Mini-horns:

Category	Product ID	Product Description
Control Panels	FPA-1000	Analog Addressable FACPs
	FPD-7024[1]	Addressable FACP
	FPD-7024	Conventional FACP
	D7024[1]	Addressable FACP
	D7024	Conventional FACP
	D8024[2]	Analog FACP
	D9124[2]	Addressable FACP

	D10024A[2]	Analog FACP
Modules	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 or D7024 become addressable fire alarm control panels (FACPs).
[2] For synchronization, use the SM or DSM Synchronization Modules with these control panels.

Mounting Considerations
Mount these mini-horns on the indicated back boxes for the indicated applications:

	Conduit Applications	Surface Mounted	Flush Mounted
Single-gang, wiremold		•	
Single-gang, deep	•		•

Wiring
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	MIZ-24S-R or MIZ-24S-W Mini-horn
1	Hardware pack
1	Literature pack

Technical specifications

Electrical

Maximum Horn Current (RMS, operating):	VDC: 26 mA FWR : 43 mA
Voltage (nominal input):	24 VDC or FWR
Voltage (operating range):	16 V to 33 VDC or FWR

Environmental

Relative Humidity:	Up to 93%, non-condensing
Temperature (Operating):	+32°F to +120°F (0°C to +49°C)

Mechanical

Dimensions (H x W x D):	4.5 in. x 2.75 in. x 1.375 in. (11.4 cm x 7.0 cm x 3.5 cm)
Material:	High-impact thermoplastic

Sound Output (UL Reverberant Room) at 10 ft (3 m)

Continuous:	16 VDC: 79 dBA 24 VDC: 83 dBA 33 VDC: 85 dBA
Temporal (Code 3):	16 VDC: 75 dBA 24 VDC: 78 dBA 33 VDC: 81 dBA

Notice
The sound output for the temporal Code 3 is lower than in Continuous mode because the time that the horn is off is averaged into the sound output rating. While the horn is producing a tone in temporal Code 3 modes, its sound pressure is the same as the Continuous mode.

Ordering information

MIZ-24S-R 24 V Mini-horn (red)
Red, 24 VDC dual-tone alarm device with low current draw, high sound output, and field-selectable settings for temporal (Code 3) or continuous horn tones
Order number **MIZ-24S-R**

MIZ-24S-W 24 V Mini-horn (white)
White, 24 VDC dual-tone alarm device with low current draw, high sound output, and field-selectable settings for temporal (Code 3) or continuous horn tones
Order number **MIZ-24S-W**

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2712034443 | en, V4, 13. Aug 2014