

SS-HR-LF Wall/ceiling 520Hz horn, red

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Invented for life



- ▶ 520 Hz square wave tone meets NFPA 72 sleeping area requirements
- ▶ Rotary switch for setting sounder for temporal three pattern, continuous pattern, or coded supply within the frequency range
- ▶ Plug-in design with minimal intrusion into the back box
- ▶ Listed for wall or ceiling mounting
- ▶ Compatible with SS-MDL3R synchronization module

Certifications and approvals

Region	Regulatory compliance/quality marks	
USA	UL	ANSI/UL 464, Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories
	FM	see the FM Approval Guide
	CSFM	see the Bosch website (www.boschsecurity.com)

Installation/configuration notes

Compatible devices

The SS-HR-LF sounder can be used with the SS-MDL3R System Sensor synchronization module. However, the FPA-1000 family, FPD-7024 family, and FPP-RNAC-8A-4C Power supply have the System Sensor protocol built in.

Mounting considerations

The SS-HR-LF sounder mounts on a:

- Standard 4 in. x 4 in. x 1.5 in. back box
- 4 in. octagonal back box
- Double-gang back box
- Single-gang back box
- 2 in. x 4 in. x 1-7/8 in. back box

Wiring considerations

The input terminals can accept solid wires between 12 AWG (ISO 4 mm²) and 18 AWG (ISO 0.75 mm²).

Parts included

Quantity	Component
1	SS-HR-LF sounder
1	Universal mounting plate
1	Hardware pack - 5 mounting screws
1	Literature pack - Installation instructions

Technical specifications

Acoustic

Reverberant* sounder output (dBA)		
Temporal pattern (position 1)	12 or 24 V nominal*	76 dBA
Continuous pattern (position2)	12 or 24 V nominal*	80 dBA

* Minimum dB rating for operational voltage range per UL 464

Electrical

Sounder current draw (mA)		
Temporal pattern (position 1)	12 V nominal* 24 V nominal*	DC = 191, FWR = 262 DC = 138, FWR = 166
Continuous pattern (position 2)	12 V nominal* 24 V nominal*	DC = 292, FWR = 384 DC = 138, FWR = 208

* Minimum dB rating for operational voltage range per UL 464.

Voltage:

Nominal (regulated)	12 VDC/FWR or 24 VDC/FWR
Range	8 to 17.5 VDC/FWR or 16 to 33 VDC/FWR
Range with synch module	8.5 to 15.5 VDC/FWR or 16.5 to 33 VDC/FWR

Environmental

Humidity	10% to 93%, noncondensing
Temperature (operating)	+32°F to +120°F (0°C to +49°C)

Mechanical

Sounder dimensions LxWxH)	5.6 in. x 4.7 in. x 1.3 in. (142 mm x 119 mm x 33 mm)
Frequency range	520 Hz ± 10%
Wave form	Square wave

Trademarks

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

Ordering information**SS-HR-LF Wall/ceiling 520Hz horn, red**

A 520 Hz audible device designed for 12 VDC/FWR or 24 VDC/FWR circuits. The 520 Hz tone is more effective in waking individuals in sleeping areas.
Order number **SS-HR-LF**

Accessories**SS-MDL3R System Sensor Synchronization, RD**

The SS-MDL3R module allows synchronizing temporal-coded horns, synchronizing strobe flash time to 1 s, and silencing horns in horn/strobe combinations.
Order number **SS-MDL3R**

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