

**MRI-4003-S
4000 SERIES SOUNDER BASE**



Description

The MRI-4003-S sounder base provides localized alarm sounding capability for the MIX-4000 family of fire detection devices.

It can be used in place of external sounders to minimize installation cost and footprint while allowing individual control of signal rate and on-off state for each device.

The MRI-4003-S must be used with a compatible fire alarm control unit.

Operational mode and levels are selected at the fire alarm panel through the MGC MP configuration tool.

Features

- Multiple options of tone patterns.
- Three-pulse temporal pattern fire alarm signal required by NFPA 72.
- Two volume levels: low and high

Benefits

- Open style mounting bases offer easy wiring and low-pressure docking.
- Save time with multiple mounting options.
- Compatible with all MRI-4000 detectors

Technical Specifications

Operating temperature	0°C to 49°C (32°F to 120°F)
Humidity range	0% to 93%
Nominal voltage	Regulated 24VDC/VFWR
SLC Standby Current	1.56mA
SLC Alarm Current	2.34 mA
Base Diameter	182mm (7-3/16 in)
Base Height	32mm (1-1/4 in)
Terminal wire gauge	12-22 AWG



Audible Ratings

MRI-4003-S							
Sound Pattern	Volume	UL Reverberant (dBA@10ft)					
		16 VDC	Regulated 24 VDC	33 VDC	16 VFWR	Regulated 24 VFWR	33 VFWR
Temporal	High	83.8	84.5	83.8	84.2	84.6	83.6
	Low	79.3	81.1	81.5	81.0	82.5	82.3
Continuous	High	83.8	84.5	83.8	84.2	84.6	83.6
	Low	79.3	81.1	81.5	81.0	82.5	82.3
20 BPM	High	83.8	84.5	83.8	84.2	84.6	83.6
	Low	79.3	81.1	81.5	81.0	82.5	82.3
March	High	83.8	84.5	83.8	84.2	84.6	83.6
	Low	79.3	81.1	81.5	81.0	82.5	82.3

MRI-4003-S							
Sound Pattern	Volume	ULC Anechoic (dBA@3m)					
		16 VDC	Regulated 24 VDC	33 VDC	16 VFWR	Regulated 24 VFWR	33 VFWR
Temporal	High	90.6	91.5	90.8	91.2	91.7	90.5
	Low	86.1	88.2	88.5	88.0	89.5	89.2
Continuous	High	90.6	91.5	90.8	91.2	91.7	90.5
	Low	86.1	88.2	88.5	88.0	89.5	89.2
20 BPM	High	90.6	91.5	90.8	91.2	91.7	90.5
	Low	86.1	88.2	88.5	88.0	89.5	89.2
March	High	90.6	91.5	90.8	91.2	91.7	90.5
	Low	86.1	88.2	88.5	88.0	89.5	89.2

Directional Sound Characteristics

MRI-4003-S		
HORIZONTAL ANGLE	VERTICAL ANGLE	OSPL (dBA)
+/- 34	+/- 36	-3
+/- 41	+/- 42	-6
+/- 90	+/- 90	-10 in horizontal -7 in vertical

Operating RMS Currents (mA)

MRI-4003-S			
Sound Pattern	Volume	Regulated 24VDC	Regulated 24VFWR
Continuous	High	22	44
	Low	19	41
Temporal	High	22	44
	Low	18	41
20 BPM	High	21	45
	Low	18	41
March	High	21	46
	Low	18	41

Ordering Information

Model	Description
MRI-4003-S	4000 SERIES SOUNDER BASE