

MINI HORNS

DESCRIPTION

The MHR and MHW mini-horns operate at 12 and 24 volts and are ideal for hotel, motel or residential fire system applications, where a smaller notification device is desired. The mini-horns offer high and low volume settings, and temporal or non-temporal tones. The horns can be mounted to single gang back boxes for aesthetically sensitive applications. Synchronization is also provided when using the MDL3 module.

The MHR and MHW mini-horns can operate between 32 and 120 degrees Fahrenheit from a regulated DC or full-wave rectified, unfiltered power supply. They are listed to Underwriter's Laboratories Standard UL 464 for fire protective signaling systems.

FEATURES

- 12 and 24V operation
- High and low volume settings
- Temporal and non-temporal tones
- Mounts to single gang back box
- Compatible with MDL3 sync module
- Mechanically and electrically compatible with PA400 series Mini-Alert™ sounders
- Listing for ceiling or wall mounting

ARCHITECT/ENGINEER SPECIFICATIONS

Mini-horns shall be a System Sensor Model MHR or MHW capable of operating at nominal 12 or 24VDC and shall mount to a deep single gang back box. Mini-horn shall be listed to Underwriter's Laboratories Standard UL464 for fire protective signaling systems. Mini-horns shall operate between 32 and 120 degrees Fahrenheit from a regulated DC, or full-wave rectified, unfiltered power supply. When used with the Sync•Circuit™ Module, 12-volt rated notification appliance circuit outputs shall operate between 8.5 and 17.5 volts; 24-volt rated notification appliance circuit outputs shall operate between 16.5 and 33 volts.

SPECIFICATIONS

Physical Specifications

Dimensions:	4.6" L × 2.9" W × .45" D
Weight:	2.67 oz.
Operating Temperature Range:	32°F to 120°F (0°C to 49°C)
Mounting Surface:	deep single-gang back box (2 3/4" deep)
Flush:	Standard 4" × 4" back box with single gang mud ring, which allows sufficient clearance for conduit entrance.

Electrical Specifications

Input Terminals:	12 to 18 AWG
Nominal Voltage:	Regulated 12DC/FWR or regulated 24DC/FWR
Operating Voltage:	8-33
Operating Voltage with MDL3:	8.5-33



APPROVALS:

- UL - S4011
- ULC - CS1099
- FM - 3028007
- CSFM - 7135-1653:196



UL SOUND OUTPUT AND CURRENT DRAW DATA

Sounder Output (dBA)								
Switch Setting	Pattern	Output Level	8–17.5 VDC	8–17.5 VFWR	Nominal 12 VDC	Nominal 12 VFWR	16–33 VDC	16–33 VFWR
1	Temporal	High	68	67	71	70	78	76
2	Temporal	Low	66	65	69	68	76	75
3	Non-temporal	High	72	71	75	74	80	79
4	Non-temporal	Low	70	69	73	72	78	77

Sounder Current Draw (mA RMS)						
Switch Position	Sound Pattern	Volume	8–17.5 Volts		16–33 Volts	
			DC	FWR	DC	FWR
1	Temporal	High	12	10	17	15
2	Temporal	Low	10	9	14	13
3	Non-temporal	High	22	17	29	25
4	Non-temporal	Low	17	13	21	19

ORDERING INFORMATION

Fike P/N	Mfg. Model	Description
20-2022	MHR	Mini-Horn, Red
20-2023	MHW	Mini-Horn, White