

Mini Horns

**FW2972MSW, FW2972MSR,
FW2972MW, FW2972MR**

Conventional & Addressable



Overview

The Series 2 Maple Armor Mini Horn are an audible signaling appliance, combining contemporary design with energy-efficient performance.

They are engineered to operate in conventional and addressable operation modes, offering unparalleled versatility for a wide range of applications. In addressable mode, each device is equipped with intelligent communication capabilities, allowing it to report its precise location and status directly to the control panel.

The appliances provide a wide array of field-configurable audible settings. Multiple sound patterns are available, each with three selectable sound output levels. A button is available that when pressed will allow the device to be silenced for 10 minutes before automatically resounding.

Features

- Modern design
- Conventional Mode
- Addressable Mode
- Easy installation
- Fits on North American single-gang electrical box
- Designed with energy efficiency
 - More devices per circuit
 - Longer circuit wire runs
 - Lower wire gauge
 - Less installation cost
- Three selectable horn output levels
- Seven Selectable horn patterns
 - Temporal 3
 - Temporal 3 Mechanical
 - Temporal 4
 - Steady
 - March time 20 bpm
 - March time 60 bpm
 - March time 120 bpm
- Available in White and Red color finish
- Compatible with all Series 2 Maple Armor control panels

Operation

Two-Wire operation

This enables the mini horn to be wired and activated on the same NAC circuit in both conventional and addressable modes. The horn continues to sound until silenced.

Synchronization Sources

- Maple Armor FW2105 and FW2107 Fire Alarm Control Panels
- NAC Booster FW131
- Sync Module FW951

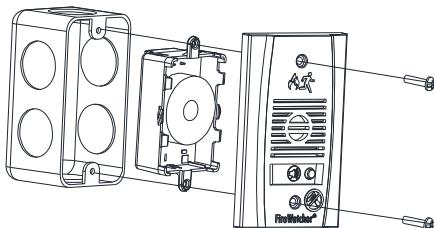
Note: refer to each panel data sheet for more information

Silencing Operation

The FW2972MS offers a silence button that when pressed the device will be silenced for 10 minutes and then resound automatically.

Installation

All Series 2 Mini Horns mount to any standard North American single-gang electrical box.



Field Configuration

All the Series 2 signaling appliances comes with a factory preset sound.

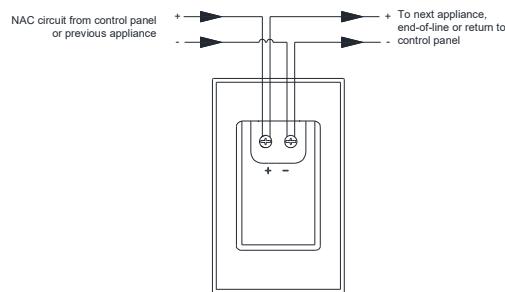
- The FW2972M mini horn comes pre-set to a high sound output level.

In **Conventional** operation mode, use the Maple Armor handheld programmer FW2411 to set the desired audible settings before installing the appliance.

While in **Addressable** operation mode, audible and/or visual settings are configured through control panel configurator.

Wiring

Field wiring is to be completed using the terminal screws on the back of the appliances, and it can accommodate #18 to #12 AWG (0.82 mm² to 3.31 mm²).



Note: The installation is to be performed according to the latest applicable codes and standards.

Sound Output

ULC Directional Sound Characteristics

Axis	Angle	OSPL (dBA)
Horizontal	0° (ref)	0 (ref)
	± 89°	- 3 dBA
	No Drop	- 6 dBA
	± 90°	- 3.4 dBA
Vertical	0° (ref)	0 (ref)
	± 26°	- 3 dBA
	± 30°	- 6 dBA
	± 90°	- 9.9 dBA

Mini Horn - Sound Output

FW2961	OSPL (dBA) at 3 meters (10 ft)					
	UL 464 Reverberant	ULC-S525 Anechoic				
Volume	16Vdc	24Vdc	33Vdc	16Vdc	24Vdc	33Vdc
A(Highest)	92	95	97	94	97	99
B	89	92	94	91	94	96
C (Lowest)	86	89	91	88	91	93

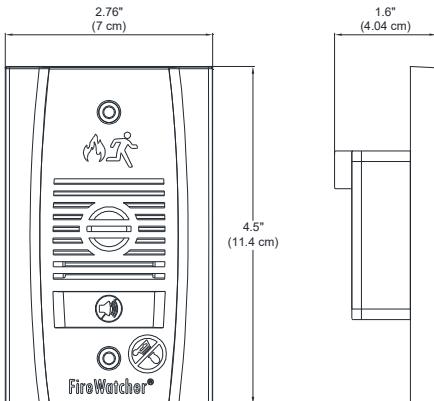
Current Draw

FW2972M Mini Horn - RMS Operating Current (mA)

FW2972M	Sound Setting		
Sound Setting	High	Medium	Low
	23	18	15

Dimensions

FW2972MS and FW2972M dimensions.



Specifications

Operating Voltage	16 to 33 VDC (regulated 24VDC)
Wire Size	18 to 12 AWG (0.82 mm ² to 3.31 mm ²)
Operating Temperature	14°F to 131°F (-10°C to 55°C)
Operating Humidity	0% to 93% RH Non-condensing
Horn Pattern	Temporal 3, Temporal 3 Mechanical, Temporal 4, steady, 20 bpm, 60 bpm, 120 bpm
Wire gauge	12 to 18 AWG
Location	Indoor wall
Compatible panels	FW131NACBOOSTER, FW2105/ FW2107 FACP

Ordering Information

Model	Housing Color	Description	Ship Wt. Kg (lbs)
FW2972MSW	White	Mini Horn with Silence Button, Wall Mount	0.1 (0.22)
FW2972MSR	Red	Mini Horn with Silence Button, Wall Mount	0.1 (0.22)
FW2972MW	White	Mini Horn without Silence Button, Wall Mount	0.1 (0.22)
FW2972MR	Red	Mini Horn without Silence Button, Wall Mount	0.1 (0.22)