

**Cautions**



**ELECTRICAL HAZARD:** Disconnect power from equipment prior to making any internal adjustments. Service should only be performed by qualified personnel.



**FRAGILE:** Inspect the equipment prior to installation. Do not install the equipment if damage is apparent. Do not attempt to disassemble this equipment. If damaged, return to the supplier.



**ELECTROSTATIC HAZARD:** This is sensitive electronic equipment. Apply safe ant-static practices when handling this equipment.



**CIRCUIT LIMITATIONS:** The maximum number of detectors connected to a single detection zone is limited by the control and indicating equipment, and may be limited by local regulations.

**General Description**

The non-Addressable Mini Horn is sound alarm notification appliance which is powered by 2-wired DC 24V and indoor use only and wall mounted. It has the ability of volume adjustment function.

The product can be separated from the control panel or SFM to work independently, when multiple products are connected to control panel or SFM, the sound between products in the same circuit area can be synchronized.

When an alarm signal is emitted, it means there may be an emergency, and should be pay attention immediately.

**Product Specifications**

Nominal Voltage	Regulated 24 VDC
Operating Voltage Range	Regulated 16 VDC to 33 VDC
Operating Temperature	32° to 120° F (0° to 49°C)
Humidity Range	10% to 93%, non-condensing at 100° F (38°C)
Dimensions	117.4mm × 76.6mm × 41.6mm
Connections	Terminal for 18 AWG to 12 AWG (0.82 mm <sup>2</sup> to 3.31 mm <sup>2</sup> )
Mounting Box	Single Gang Box
Model: VL-MH-W	White
Model: VL-MH-R	Red

**Sound Level and Electrical Characters**

High Output Sound Level	Maximum Operating Current RMS
High	55 mA
Standard	55 mA

SW Setting	SW2	SW1	Sound Pressure Level Measurement (dBA)
<p>Switch: S1 Figure 1.</p>	<p>ON: Horn OFF: CAN Horn</p>	Sound Level	Reverberant Room at 10 Feet Per UL464
		ON: High Output	78.2
		OFF: Standard Output	69

The Minimum sound pressure is measured in UL reverberant test chamber.

The alarm Tone adjust switch is located in the PCBA of the product, as shown in Figure1,

To remove the cover, Depress the snap at the top of the Mini horn with a flat tip screwdriver while pulling the cover up with the other hand.

**To open the cover, Depress the snap at the top of the Mini horn with a flat tip screwdriver while pulling the cover up with the other hand.**

**Note:** Mini Horn will change the tone pattern to Canadian Broadband Horn if the appliance sw2 set to OFF in FAST MARCH TIME mode,

**Wiring**

In order to ensure that the total current consumption of the circuit does not exceed the maximum load current of the FACP or SFM module, the device quantity must be considered in the design of the loop system.

Number of circuit is connected with the maximum number of notification products must calculate the loop line loss of voltage to ensure loop notification products work in rated voltage range, please refer to the corresponding FACP or NAC SFM and other equipment installation instructions.

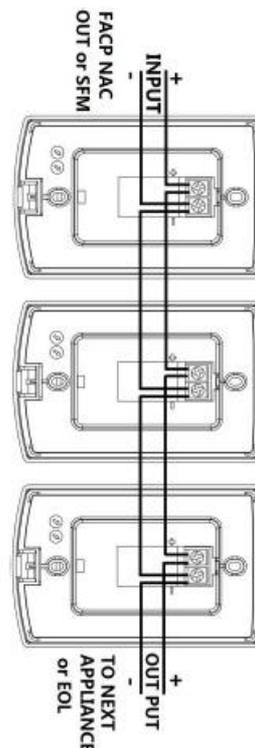
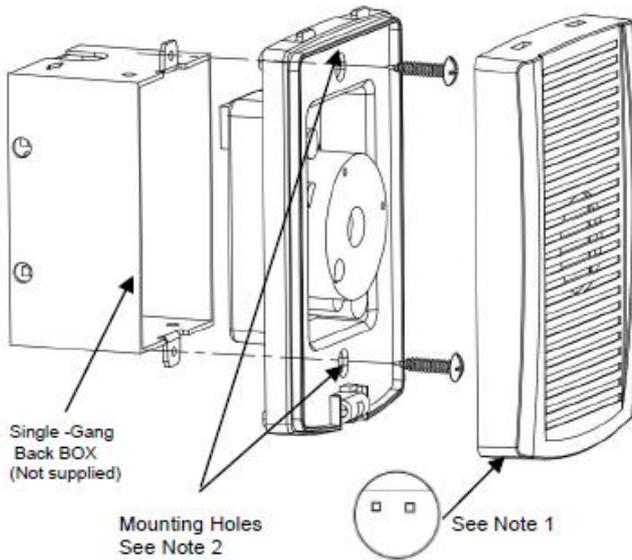


Figure 2

The wiring circuit is shown in Figure 2

## Mounting Appliance Device



**Figure 3.**

The products could be installed in single-gang box.

Before installing and wiring, the power of the loop circuit must be power off.

After the completion of the terminal to ensure that the terminal lock, Mini Horn installation diagram shown in Figure 2.

See Figure 3 for mounting the notification appliance to the enclosure box.

**Note:**

*Note 1: To remove the cover, Depress the snap at the bottom of the Mini horn with a key (or flat tip screwdriver) while pulling the cover up with the other hand.*

*Note 2: The Mini horn attaches directly to a standard single-gang box (not supplied) flush mounted or surface mounted. Attach the mini horn to the electrical box using two screws (supplied) mounted.*

*Wire type: 18-12AWG,  
Maximum tightening torque: 0.5Nm (4.4Lb.in).*

## Limited Warranty

Velocity Detection over Time Zeta Alarms Ltd declares that this product is free from defects in material and workmanship and it will repair or replace any product or part thereof which proves to be defective in workmanship or material for a period of twelve (12) months from the date of purchase but not to exceed eighteen (18) months from the date of manufacture. Please contact Velocity Detection over Time Zeta Alarms Ltd directly for a return merchandise authorization (RMA) number before returning goods under warranty. Shipment must be prepaid and Velocity Detection over Time Zeta Alarms Ltd will repair or replace the product if the failure was caused by a manufacturing defect.