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 Multi-tone Horn appliance is an indoor use only and DC 24V powered, two-line non-addressable multi-audible alarm appliance.
The product can be separated from the controller or synchronize functional module (SFM) to work independently, when multiple appliances are connected to a same UL listed control panel or synchronization module, the sound synchronization between products in the same
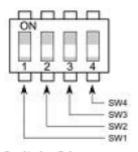loop circuit area can be realized.
Caution: The appliances emit sound alarm means there may be an emergency, and it should be attention immediately.

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	130.5mm×130.5mm×44mm
Connections	Terminal for 18 AWG to 12 AWG (0.82 mm² to 3.31 mm²)
Mounting Box	4 × 4 inch Double Gang Box
Model: VL-W-M-W	White
Model: VL-W-M-R	Red

Sound Level and Electrical Characters

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

Switch: S1
Figure 1.

S1 Settings				Horn Mode	Sound Pressure Level Measurement (dBA)
SW 4	SW 1	SW 2	SW 3	Tone	Reverberant Room at 10 Feet Per UL464
SW1:1 High Output	1	1	1	Broadband Horns	80.5
	1	1	0	Horn	80.9
	1	0	1	Bell	76.7
	1	0	0	Siren	75.8
	0	1	0	Slow Whoop	77.9
	0	0	1	500 Hz Horn	83.1
	0	0	0	Hi/Lo	82.5
	0	1	1	Reserved	Horn off
SW1:0 Standard Output	1	1	1	Broadband Horns	74.6
	1	1	0	Horn	75.8
	1	0	1	Bell	70.2
	1	0	0	Siren	68.6
	0	1	0	Slow Whoop	66.5
	0	0	1	500 Hz Horn	73.9
	0	0	0	Hi/Lo	72.7

The Minimum sound pressure is measured in UL reverberant test
chamber.
Adjust the Dip-switch in the back of the product to change the alarm horn mode. See Figure 1.
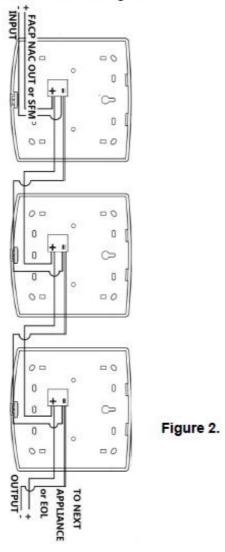
Wiring

Make sure 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.

The wiring circuit is shown in Figure 2.

Figure 2.

Products could be installed in standard square 4-inch double 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.

It is recommended to install a Cosmetic Adapter Plate before install the Notification devices products.

Please check the cosmetic adapter plate installation instructions for details.

Product installation diagram shown in Figure 3

Note:
Note 1: To remove the cover, Depress the snap at the bottom of the product with a key(or flat tip screwdriver) while pulling the cover up with the other hand.
Note 2: The product attaches directly to a standard 4-inch square electrical box(not supplied) flush mounted or surface mounted. Attach the product to the back cover using two screws (supplied) mounted.

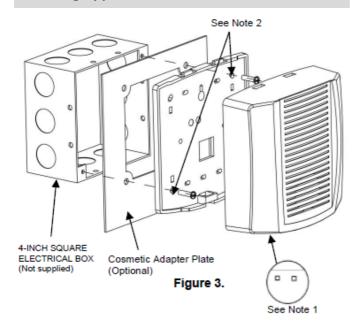*The Cosmetic Adapter Plate is not included in products packaging box.*

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.

Mounting Appliance Device

4-INCH SQUARE
ELECTRICAL BOX
(Not supplied)

Cosmetic Adapter Plate
(Optional)

Figure 3.

See Note 1