

Non-Addressable Indoor Multi-Tone NAC Device (VDOT-M)



Description

The Velocity non-addressable indoor range of NAC devices are available in a variety of solutions to fit many requirements.

The VDOT-M Multi-Tone sounder has a UL decibel rating between 79dB - 88dB @ 10 ft or the conversion equivalent to 86dB -97dB @ 1m, depending on the sound output setting.

The devices are flush wall mounted as standard be flush or surface wall mounted with the addition of a surface mounting back box.

They are also available in 2 colour options, red or white.

Powered by 2-wire DC24V, these appliances are designed to be connected to, and activated by a UL listed Velocity control panel. When multiple appliances are connected to the Velocity NAC, the sound and light between products on the same circuit area can be synchronised.

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



Features

- Designed to meet UL requirements
- Compatible with all Velocity-UL NAC Circuits
- Adjustable Sound output levels
- Indoor use only
- Powered by 2-wire DC 24V.
- Can be installed in a standard square 4 inch square gang box
- Appliances on the same NAC circuit can be synchronised.

Product Specification

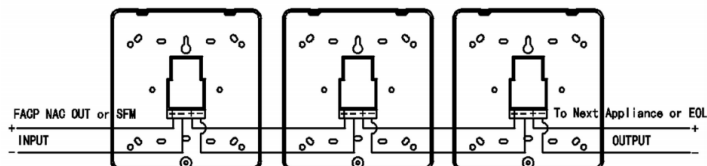
Approval / Standard	UL 464 / UL Laboratories
Mounting / IP Rating	Wall Mount / IP23
Nominal Voltage	Regulated 24 VDC
Operating Voltage Range	Regulated 16 VDC to 33 VDC
Operating Temperature	32 ° to 120 ° F (0 ° to 49 ° C)
Humidity Range	10% to 93%, non condensing at 100 ° F (38 ° C)
Dimensions H x W x D	140mm x 140mm x 45.5mm 140mm x 140mm x 90mm with VDOT-BB
Connections	Terminal for 18 AWG to 12 AWG (0.82 mm2 to 3.31 mm2)
Mounting Box	4 x 4 inch Double gang box or Surface Back Box (VDOT-BB)

Part Numbers

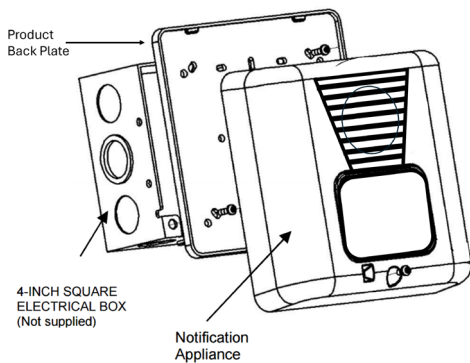
VDOT-M/R	Flush Mount Multi-Tone Sounder, Red
VDOT-M/W	Flush Mount Multi-Tone Sounder, White
Additions	
VDOT-BB/R	Surface Mount Back Box, Red
VDOT-BB/W	Surface Mount Back Box, White

Wiring

Ensure that the total current consumption of the circuit does not exceed the maximum load current of the NAC modules or SCM module, the device quantity must be considered in the design of the loop system.



Product Mounting - Wall Mount



Sounder Output Levels

Output Level	Horn Mode Tone	Sound Pressure Level Measurement dBA
High	Hi / LO	84.13 db @ 10 ft
High	Horn	88.36 dB @ 10 ft
High	Slow Whoop	82.1 dB @ 10 ft
High	60BPM	83.53 dB @ 10 ft
High	Siren	82.94 dB @ 10 ft
High	500 Hz Horn	85.21 dB @ 10 ft
High	Bell	88.58 dB @ 10 ft
High	120BPM	83.39 dB @ 10 ft
Standard	Hi / LO	81.36 dB @ 10 ft
Standard	Horn	86.58 dB @ 10 ft
Standard	Slow Whoop	79.24 dB @ 10 ft
Standard	60BPM	81.31 dB @ 10 ft
Standard	Siren	80.19 dB @ 10 ft
Standard	500 Hz Horn	83.43 dB @ 10 ft
Standard	Bell	84.61 dB @ 10 ft
Standard	120BPM	81.22 dB @ 10 ft

The minimum sound pressure is measured in UL-reverberant test chamber @ 16VDC

Input Voltage Regulated DC	Max Operating Current RMS
16 VDC	13mA