

Model VDA-1001 Visual Door Alarm

DESCRIPTION

The visual door alarm (VDA) is a compact device providing a visual and audible indication of an impending or actual door alarm event. The VDA receives contact closure inputs from an attached door controller or other source, and it displays door status via a multicolor LED array. The array brightness is adjustable from zero to 183.8 lumens, roughly the equivalent of a 40-watt incandescent light bulb. The LED array is capable of displaying a user-defined selection of colors to correspond with the status of the door.

The unit includes an embedded audio sounder, which is fully adjustable from 0- 100 DB, and can be used to complement the visual display and LED array. The sounder can be overridden at any time with a programmable key fob.



The unit flush mounts onto a standard double gang box, with the entire unit measuring 113 mm (4.4") square and protruding 10 mm (.4") from the finished wall surface. A user-defined configuration may be saved and used to program other units to ensure consistency and rapid deployment.

SPECIFICATIONS

VISUAL

LED Display

5 (w) x 7(h) LED matrix

Individually addressable RGB LED's

Intensity (@ apex angle of 120°)

Maximum per LED component:

Green = 2.8 lumens

Red = 1.5 lumens

Blue = 0.95 lumens

Total array output = 183.8 lumens

Colors: full visible spectrum

Window dimension:

35 mm (1.38") w x 49 mm (1.93") h

AUDIBLE

Sounder type

Piezo-electric, microprocessor driven

Size

30 mm (1.2") dia.

Tones

Constant, Yelp (selectable)

Frequency

3.0 - 4.0 KHz

Intensity

0- 100 DB, adjustable

Silenceable via programmed key fob (definable maximum # users)

SPECIFICATIONS (CONTINUED)

ELECTRICAL

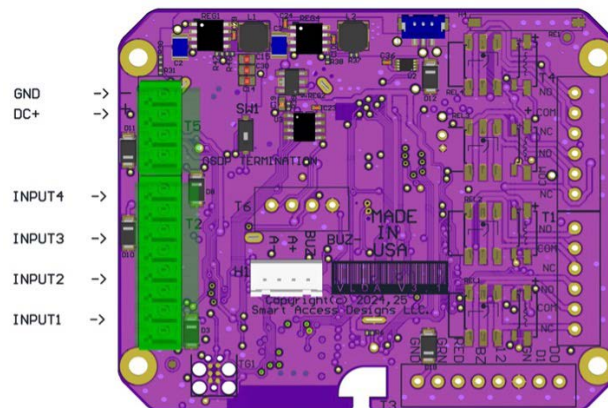
Input Voltage	12 – 30 VDC
Power Consumption	Maximum: 12 W (maximum LED brightness) Normal state: < 1 W (LED's unlit)
Contact Inputs	(4) NO or NC, selectable (Note: Only 1 pair required for alarm)
Distance from Input Source	>500 feet

COMMUNICATIONS & PROGRAMMING

Bluetooth Core Specification Version 5.0 (BLE) 5.0

PHYSICAL

Dimensions (with face plate)	4.4" x 4.4" x1 .5" (depth includes faceplate 10 mm (.4") above surface)
Mounting	2-gang box with Torx T30 screws
Operating Humidity	0 – 95% non-condensing
Operating temperature	-20° C - +70° C (-4° F – 158°)



PROGRAMMING

Factory pre-programmed for most parameters, and graphics
Adjustable via BLE app from smart device

Programmable functions:

- Add users (key fobs)
- Pre-alarm time
- Max alarm time sounder activation
- LED color and brightness
- Sound type and volume

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