

# Vizyalarm™ 1-Zone Alarm

WiFi | Rated Type 1, Indoor Alarm Panel

MODEL: VZW-02, ALARM PANEL ONLY

**ALDERON™**  
Industries

Leading Edge Control Products

**TECHNICAL DATA SHEET**

## DESCRIPTION OF OPERATION

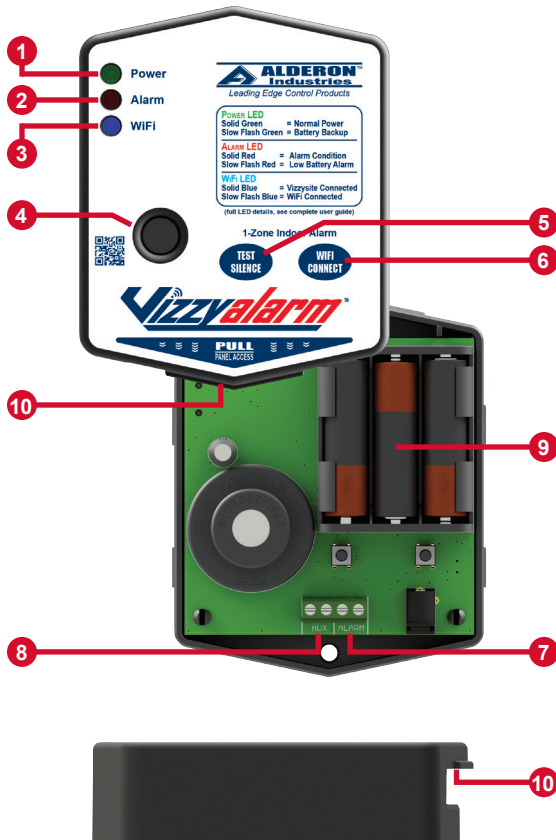


The Vizyalarm™ 1-Zone WiFi Alarm is an indoor rated alarm panel, powered by a standard 120VAC wall outlet. The green power LED will illuminate (solid) when powered. The Vizyalarm™ is a multipurpose alarm panel that can be used for a variety of applications, including but not limited to: septic tanks, sumps, holding tanks, pump chambers, water tanks, flow, pressure, condensate, temperature, and any others where a "dry" contact can be connected to the alarm panel. Connect and register your wireless device to the Alderon™ cloud based Vizy.site™ to begin monitoring and receiving text and email alerts for system conditions.

The alarm panel is equipped with audible and visual alarm indication, activated by a normally open or normally closed sensor wired to the terminals and/or the low battery alarm detection. A variety of sensors can be used such as a float switch, pressure switch, or any "dry" type sensor that "closes" during an alarm condition (normally open or normally closed). Installing (3) AA batteries (not included) provides battery backup during power outages. Use the auxiliary contacts to connect to building automation systems (BAS) and phone dialers. Multiple sensors (signaling device) can be connected for expanded monitoring.

An alarm condition occurs when the sensor (signaling device) contact is activated, during which the red alarm LED will illuminate (solid), buzzer will annunciate (solid), and the auxiliary contacts will activate. The alarm condition will stay on until the sensor is deactivated. If the test/silence pushbutton is pressed during an alarm condition, it will silence the buzzer while the alarm LED remains on (solid) with activated auxiliary contacts (alarm LED slow flash). The silence condition will reset when the sensor deactivates and the alarm panel will auto reset for the next alarm cycle.

## STANDARD FEATURES



(1) **Power LED** - A green LED illuminates (solid) on the front of the alarm panel to indicate the power is on.

(2) **Alarm LED** - During an alarm condition, the red alarm LED will illuminate (solid/slow flash) on the front of the alarm panel.

(3) **WiFi LED** - A blue LED illuminates (slow flash) when a WiFi connection is established and (solid) when connected to Vizy.site™.

(4) **Alarm Buzzer** - The alarm buzzer will annunciate (solid) in addition to the visual indication provided by the red alarm LED during an alarm condition.

(5) **Test/Silence Pushbutton** - Press to test the alarm; all LEDs should illuminate (quick flash) and buzzer should annunciate (quick pulse) after approximately 5-6 seconds. During an alarm condition, press to silence the buzzer.

(6) **WiFi Connect Pushbutton** - Press to select either WPS or HTTP mode and establish a WiFi connection to an IP address.

(7) **Sensor Inputs** - Connect a field installed sensor to the terminals from the monitoring area.

(8) **Auxiliary Contacts** - Interface with an external device including BAS systems and phone dialers. The contacts (normally open) are rated 30VDC at 700mA maximum.

(9) **Battery Backup** - Install (3) AA batteries (not included) for battery backup during power outages. The green power LED will illuminate (slow flash) during battery backup mode to conserve battery power.

(10) **Panel Access** - Pull the cover off to access the panel, includes an open wiring compartment to safely route wires while connecting sensors and auxiliary dry contacts.

# SPECIFICATIONS

## Vizyalarm™ 1-Zone WiFi Alarm, Panel Only

**Primary Power**  
120VAC, 50/60 Hz

**Circuit Board Primary Power**  
11.1VDC, 500mA maximum

**Circuit Board Secondary Power**  
4.5VDC, (3) standard AA batteries  
(battery backup; not included)

**Field Connection Sensor**  
3-10VAC/DC, 10mA minimum  
(signaling device)

**Auxiliary Contacts**  
30VDC, 700mA maximum  
Normally Open; Single Pole, Single Throw

**LEDs**  
Green (power), Red (alarm),  
and Blue (Vizy/WiFi)

**Buzzer**  
85 dB @ 10-feet

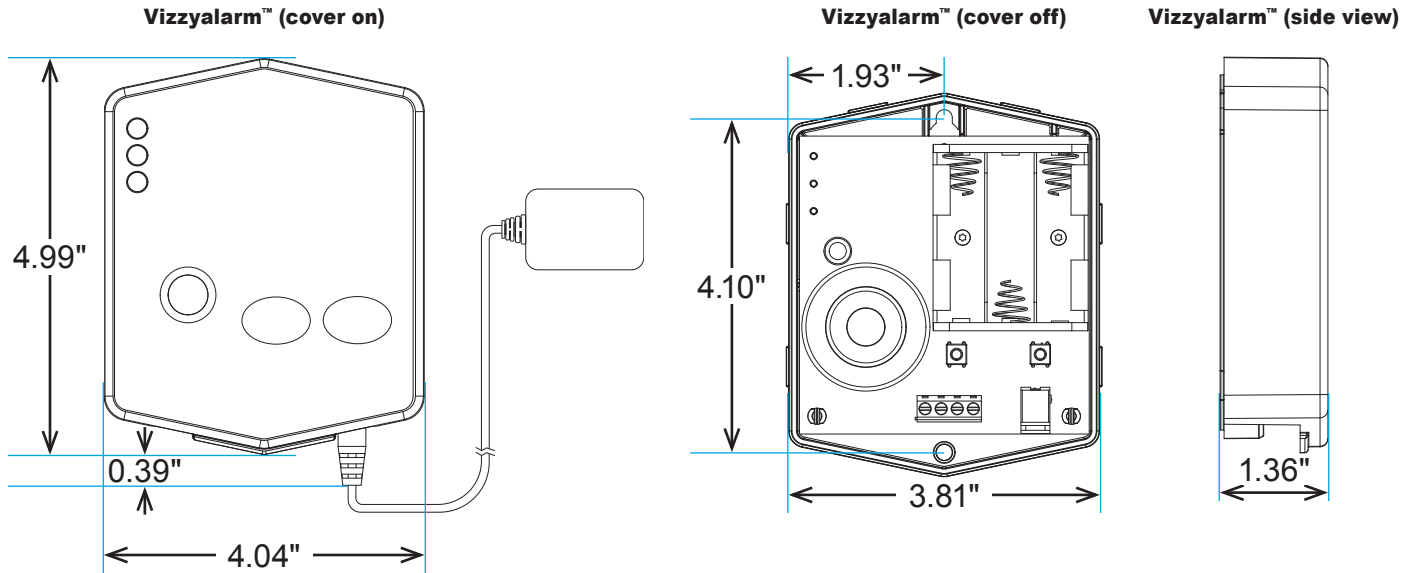
**Wall-Mounted Power Supply**  
120VAC, 50/60 Hz (input)  
11.1VDC, 500mA maximum (output)  
(6-foot cord)

**Enclosure**  
Thermoplastic  
5 x 4 x 1.3 (inches)  
Type 1, Indoor  
Removable Cover

**Certifications**  
CSA (US and Canada)  
FCC Part 15 (US and Canada)

**Three-Year Limited Warranty**

# MECHANICAL DRAWING



# ORDERING INFORMATION

**VZW-021A1B1D**

1      2   2   2

<b>Customized Model Number:</b>			
MODEL # BOX 1	MODEL # BOX 2	MODEL # BOX 2	MODEL # BOX 2
VZW-02			

PART NUMBER	DESCRIPTION (Alarm Panel includes: Auto Reset, Battery Backup, and Auxiliary Contacts)	
2009592	Vizyalarm™ 1-Zone Indoor WiFi Alarm (Alarm Panel Only)	
<b>VIZYALARM™ WIFI MONITORING SYSTEM - EXPANDABLE SERIES</b>		
Choose from the list of components below to customize a Vizyalarm™ WiFi Monitoring System for your specific application. A maximum of three (3) sensors can be used with the alarm, recommended for one per zone. For multiple sensors, use a junction box for wiring.		
NUMBER	CATEGORY	TYPE / EXAMPLE
1	Base Alarm Panel	VZW-02 = Vizyalarm™ WiFi, 1-Zone Alarm, 120VAC
2	Sensors and Floats	<b>QTY</b> <b>TYPE / EXAMPLE</b> (select quantity of each sensor and float option, add to Model Box(es) 2 above for custom part number)
		X = No Sensors or Floats
		A = WaterSpotter™ Flood Sensor, PWS Series, 15' Cable
		B = Alarm Advisor™ Sump Sensor with Bracket, 15' Cable
		C = 15' Narrow Angle Control Switch, Normally Open (high level), Stainless Steel Pipe Clamp
		D = 20' Narrow Angle Control Switch, Normally Open (high level), Stainless Steel Pipe Clamp
		E = 15' Narrow Angle Control Switch, Normally Closed (low level), Stainless Steel Pipe Clamp
F = 20' Narrow Angle Control Switch, Normally Closed (low level), Stainless Steel Pipe Clamp		