Versa'larm™ 1-Zone Wireless Alarm System

Rated Type 1, Indoor Alarm Panel with System Accessories

ALARM PANEL, WIRELESS RECEIVER, WIRELESS TRANSMITTER, and CONTROL SWITCH

ALDERON™ Industries
Leading Edge Control Products

TECHNICAL DATA SHEET

DESCRIPTION OF OPERATION

The Versa'larm™ 1-Zone Wireless Alarm System is an indoor rated alarm panel, powered by a standard 120VAC wall outlet. When powered, the green LED will illuminate on the alarm panel. Included with the alarm system: indoor wireless receiver, wireless transmitter, and float switch with optional 47-inch mounting post and 2-inch riser connection kit (riser not included). This alarm system is used for water and wastewater applications.

The alarm panel is equipped with audible and visual alarm indication, activated by the normally open float switch connected to the terminal block. 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 a 9VDC battery (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.

When the liquid level rises activating the float switch and wireless transmitter, it sends a signal to the alarm panel to indicate an alarm condition, during which the red alarm LED will illuminate, buzzer will annunciate, and the auxiliary contacts will activate. The alarm condition will stay on until the float switch is deactivated. If the alarm silence pushbutton is pressed during an alarm condition, it will silence the buzzer. The silence condition will reset when the float switch deactivates and the alarm panel will auto reset for the next alarm cycle.

NOTE: The wireless transmitter is a waterproof unit that comes with an internal lithium battery. The battery life is approximately five years under normal operating conditions. Test monthly to ensure the system is working properly. Battery replacement: BWA-BATT-006, consult factory for ordering.

STANDARD FEATURES

(1) Power On LED - A green LED illuminates 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 on the front of the alarm panel.

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

(4) Alarm Test Pushbutton - Press the pushbutton to test the alarm to ensure proper operation. The buzzer should annunciate, alarm LED should illuminate, and auxiliary contacts should activate.

(5) Alarm Silence Pushbutton - Press the pushbutton to silence the buzzer during an alarm condition. The alarm LED remains illuminated until the alarm condition has been cleared and the alarm panel will auto reset for the next alarm cycle.

(6) Terminal Block - Connect a field installed sensor to the terminals from the monitoring area.

(7) Auxiliary Contacts - Interface with an external device including BAS systems and phone dialers. The contacts (normally open) are rated 24VDC/24VAC, 50/60 Hz, and 100mA maximum.

(8) Battery Backup - Install a 9VDC battery (not included) for battery backup during power outages.

(9) Panel Compartment - Wire connector for 9VDC battery (backup power), auxiliary dry contacts, and access cover with break away tabs for routing wire.

SPECIFICATIONS

Versa'larm™ 1-Zone Wireless Alarm CSA c US

Primary Power
120VAC, 60 Hz
(5-foot power cord)

Secondary Power
Class 2, 9-11.1VDC, 500mA

Auxiliary Contacts
Normally Open
Class 2, 24VDC/24VAC *(50/60 Hz)*
100mA maximum

Field Connection Sensor
9VDC, 200mA minimum
(signaling device)

Battery Backup
Standard 9VDC battery
(not included)

Buzzer
95 dB @ 2-feet

Enclosure
Type 1, Indoor

Certifications
CSA *(US and Canada)*

Three-Year Limited Warranty

Altra™ Gold Control Switch CSA c US

Electrical (Dual Switch Rated)
High Voltage: 0.1 - 5.0 Amp, 120/240VAC
Low Voltage: 4VDC, 1mA

Operating Temperature
0 - 140° F

Cable Type
SJOOW *(UL/CSA)*, 18 gauge, 2-conductor, flexible, and water/oil resistant

Float Housing
Polypropylene

Switch Arrangement
Single Pole, Single Throw

Switching Differential
20° total *(narrow angle)*

Certifications
CSA *(US and Canada)*

Three-Year Limited Warranty

MECHANICAL DRAWING

Versa'larm™ 1-Zone Wireless Alarm
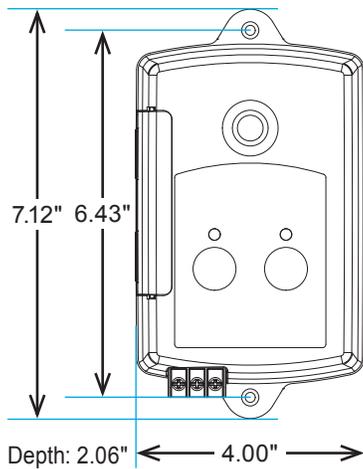
7.12" 6.43"
Depth: 2.06" 4.00"

Versa'larm™ Wireless Receiver

3.29" 3.07"
2.10"
4.09" 5.18"
1.09"

Altra™ Gold Control Switch

4.8"
2.6"

Wireless Transmitter

2.62"
3.09"
M30 x 0.059"
1.95"
1.75"
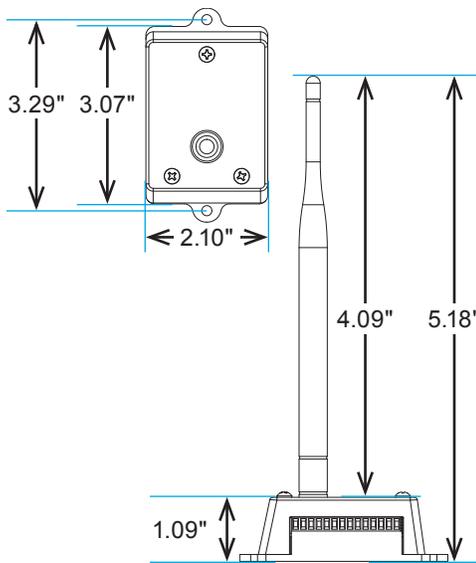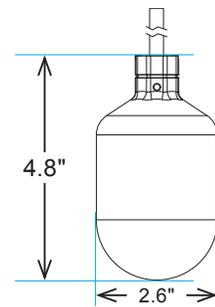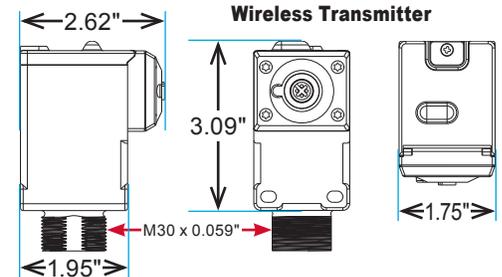
NOTE: Optional product dimensions listed below.
47-Inch Post: 5.0" x 5.0" x 47.0" | 2-Inch Riser Connection Kit: 2.0" x 9.5"

ORDERING INFORMATION

For a complete list of standard products with pricing, refer to the current year price sheet or visit alderonind.com for more information.

PART NUMBER	DESCRIPTION (Alarm Panel includes: Auto Reset, Battery Backup, and Auxiliary Contacts)
7991	Versa'larm™ Wireless, High Level, 15' Gold Alarm Float, Cast Iron Cable Weight, Stainless Steel Pipe Clamp
7992	Versa'larm™ Wireless, High Level, 15' Gold Alarm Float, Cast Iron Cable Weight, Stainless Steel Pipe Clamp, 47" Post, 2.0" Riser Connection Kit
8033	Versa'larm™ Wireless, Base Alarm, Hardwired Power Loss (Alarm Panel Only)
**VERSA'LARM™ INDOOR ALARM ACCESSORIES	EXPANDED APPLICATIONS**	
2001725	15' Altra™ Gold Narrow Angle Control Switch, Normally Open (high level), Stainless Steel Pipe Clamp, Bagged
7008	WaterSpotter™ Flood Sensor, AWS Series, 15' Cable
7009	WaterSpotter™ Probe Sump Sensor, 15' Cable, Stainless Steel Pipe Clamp
7019	Auto Dialer; 2-Zone, two different messages, one for water and one for furnace fail
7018	Low Temperature Switch (need to order 7019 also)
7933	Strobe Beacon, 6-12VDC