

7001 Versa'Larm™ Tank Alarm



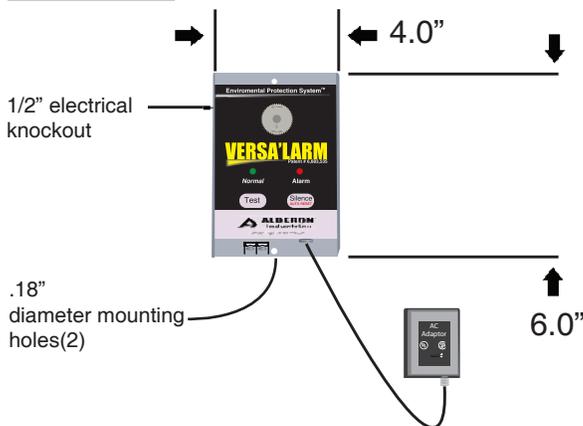
Operation, Maintenance
and Installation Manual



Warning! Turn off all power when installing or adjusting unit. Failure to turn off all power could result in serious injury or death! Read all instructions thoroughly! Check local codes and install to meet requirements - Refer to National Electrical Code (NFPA 70) Alarm unit MUST be mounted indoors, failure to do so will damage unit and void warranty

Specifications

Mechanical



Enclosure powder coated paint for indoor use
Six foot power cord
1/2" electrical knock-out

Part Number 7001 (Standard)

Description of Operation & Maintenance

The VERSA'LARM is a multipurpose alarm that can be used in a wide variety of applications such as: 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 VERSA'LARM.

The VERSA'LARM is powered by 120 VAC coming from standard wall outlets and is transformed to 9 VDC. Installing a 9 Volt battery provides battery back-up.

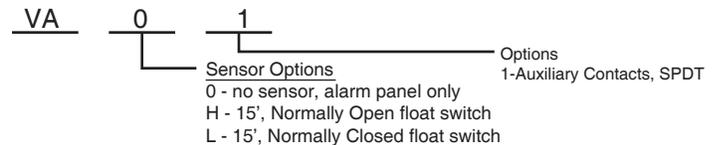
When a switch (signaling device) contact "closes" the buzzer and light will turn "on" and the optional auxiliary contacts will be activated. Pressing the "silence" switch deactivates the buzzer and auxiliary contacts. When the alarm is remedied, the system automatically resets itself.

Test product weekly. Make sure the green "power on" light is "on". Press the "Test" switch, the red alarm light and buzzer should turn "on". If the battery backup system is utilized, unplug the wall mount power supply (the green light will be off). Now press the "Test" switch, the red alarm light and buzzer will turn "on". If the buzzer sounds less loud then when tested with the normal power supply, then replace the battery. Refer to instructions on installing/replacing the battery on page 2. Reconnect power supply when finished to put the Versa'larm back into service.

Electrical

Primary Power: 120 VAC, 50/60 HZ
Secondary Power: Class 2, 9 VDC, 200 ma
Auxiliary Contacts: Single Pole, Double Throw
(Optional) Class 2, 24 VDC/24 VAC (50/60HZ),
 500 ma **MAXIMUM**
Battery: 9 Volts (Not included)
Buzzer: 90 db @ 30 cm
 103db @ 2 feet
Switch: UL listed, 9 VDC, 200 ma minimum
(signaling device) Single Pole, Single Throw

Model Number Nomenclature



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P/N 10026 Rev B
10/28/02
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7001 Versa'alarm™ Tank Alarm



Operation, Maintenance and Installation Manual

1. To install/replace the battery for the backup power feature, remove the two side screws and install 9 VDC battery (Duracell model MX 1604B2). After installing battery, press the test button to activate the alarm to make sure the battery works properly. Reinstall side screws. See Figures 1 & 2 .
2. Determine mounting location for the VERSA'LARM. Make sure power outlet is within 6 feet of the VERSA'LARM. Make sure the outlet is on a separate circuit breaker from any other device and not on a switched receptacle to maintain power integrity. Mount the VERSA'LARM using two #8 x 1 1/4" self tapping screws(not included). Use #8 plastic anchor if mounting to sheet rock. See Figure 2
3. If Auxiliary Contacts are used continue, else go to step 4. Remove cover from base and remove 1/2" electrical knockout from base. Use 16 - 2 AWG stranded wire - make sure there is at least 6" of wire inside of enclosure. Install a 1/2" strain relief with jam nut. Connect wires for required application using wire nuts. Caution! - When installing wires, route all wires away from sharp objects & internal components. See figures 3A & 3B.
4. Use the included label identification kit or permanent marker/user supplied label to identify the alarm condition. Use the tick marks for alignment. See Figure 2.
5. Connect a UL listed switch (rated 9 VDC, 200 ma MINIMUM) such as a float switch, pressure switch, etc. to the two position terminal block on the VERSA'LARM. One wire per terminal. The alarm is activated by a closed switch. See Figure 2. Caution! - When installing the "signaling switch" refer to it's installation instructions for proper installation.
6. Plug in the power supply into a 120VAC, 50/60 HZ standard wall outlet. For UL applications, remove center screw on receptacle and place cord from wall mount transformer inside the plastic cord holder. Secure plastic cord holder to the receptacle by reinstalling screw to the center hole of receptacle. See Figure 2. For Canadian applications DO NOT INSTALL Plastic Cord Holder! The green "Normal" light should come on.
7. Test the system by pressing the "Test" switch or by activating the "signaling device". The buzzer and the red warning light will be "on". The green "Normal" light will be "off". Press the "Silence" switch. The buzzer will silence but the alarm light will remain "on". Deactivate the "signaling device." The alarm light will turn "off" and the green "Normal" light will turn "on" indicating the system is now in a normal condition. Since the VERSA'LARM is equipped with "Auto Reset", reactivating the "signaling device" for a new test cycle will reactivate the buzzer and alarm light.
8. Test product weekly to ensure system integrity.

Figure 1 - Installing/Replacing Battery

Battery Strap Connector

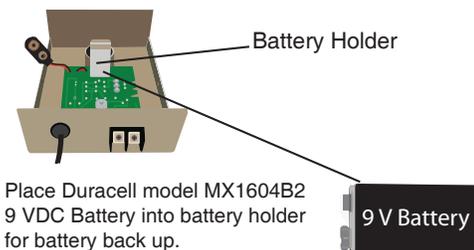


Figure 2 - Mounting

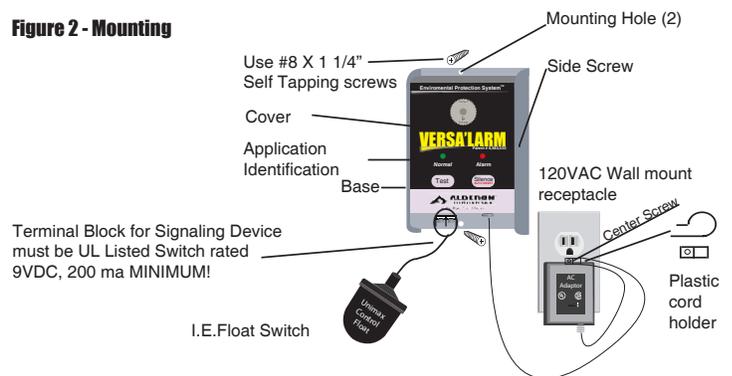


Figure 3A - Installing Field Wiring for Auxillary Contacts

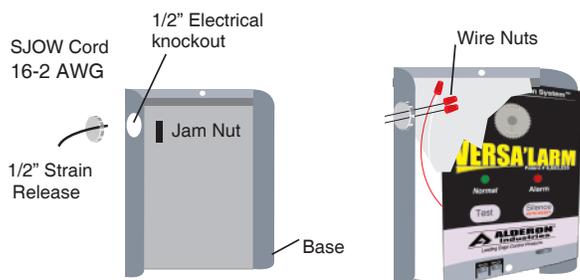
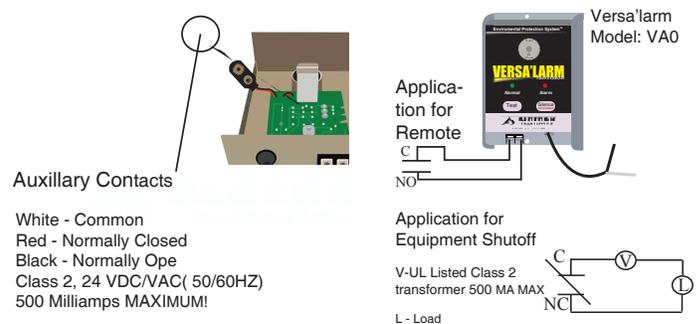


Figure 3B - Wiring Diagram for Optional Auxillary



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Safety Guidelines



CAUTION: Disconnect power before servicing

Read instructions thoroughly.
Check local codes and install to meet requirements

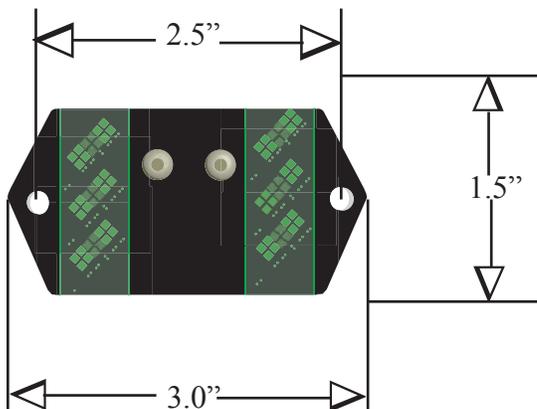
Part Number 7008 (15')



Patent #6,683,535

Specifications

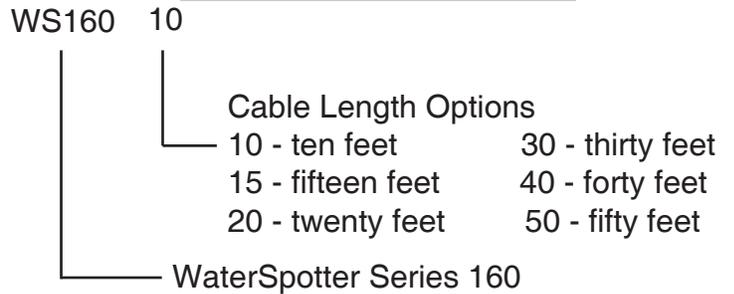
Mechanical



Electrical

Voltage: 9-12VDC
Operating Current: 3 ma
Switching Current: 500 ma Maximum

Model Number Nomenclature



Description of Operation & Maintenance

The WaterSpotter is a reliable leak detection sensor that can be used in a wide variety of applications such as: computer rooms, basements, sumps, air conditioner condensate runover, water heaters, utility rooms, and many more applications.

The solid state circuitry is encapsulated in epoxy making the unit waterproof and tamperproof. The probes are stainless steel and will not rust. Works excellent even with distilled and condensate water.

When connected to the VERSA'LARM and when water bridges the probes, the VERSA'LARM activates the buzzer and flashing alarm light. Optional auxiliary contacts can be utilized to annunciate the alarm or wired into a control circuit that will shut the machine off to prevent further water leakage. Up to six WaterSpotter's can be connected to the VERSA'LARM for zone area protection.



Leading Edge Control Products™

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Operation, Maintenance and Installation Manual

1. Disconnect Power. Determine location for leak detection. See Figure 1.
2. Install the Alderon VERSA'LARM per Installation Instruction for the VERSA'LARM (P/N 10026 Rev A).
3. Connect the WaterSpotter to the VERSA'LARM. CAUTION! - Red wire must be connected to the "left" terminal and the Black wire must be connected to the "right" terminal. See Figure 2.
5. Place the WaterSpotter at the desired location. Optional: For a more secure mount use either the included adhesive foam tape or use screws installed through the mounting feet on the WaterSpotter.
6. In the event of water detection, completely wipe off probes before putting back into service.
7. Test product weekly. For the Versa'larm, make sure the green "Normal" light is "on". Press the "Test" switch, the red alarm light and buzzer should turn "on". If the battery backup system is utilized, unplug the wallmount power supply (the green light will be off). Now press the "Test" switch, the red alarm light and buzzer will turn "on". If the buzzer sounds less loud then when tested with the normal power supply, then replace the battery. Refer to instructions on installing/replacing the battery on page 2 of the Versa'larm Installation Instruction P/N 10026 Rev A. Reconnect power supply when finished to put the Versa'larm back into service. Test the WaterSpotter by immersing the probes in water or place a wet rag or sponge across the probes. The Versa'larm should activate. Completely wipe and dry probes before putting unit back into service. See Figure 3.

Versa'larm Advanced Monitoring System

Figure 1

Typical application shown for leak detection on Air Handler Unit

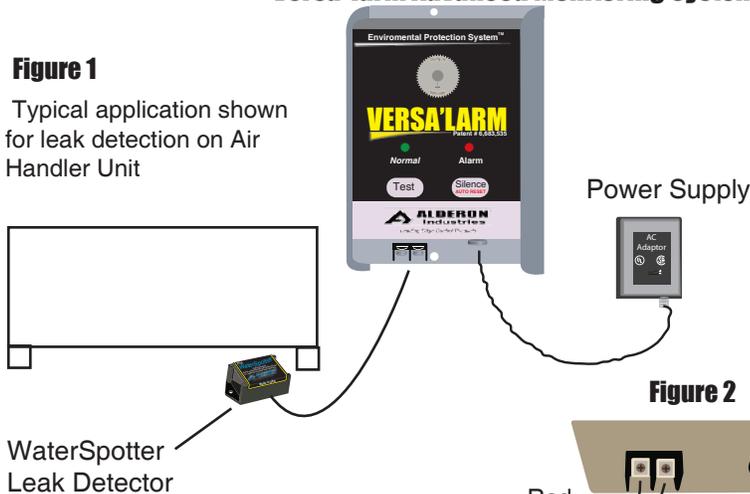


Figure 2

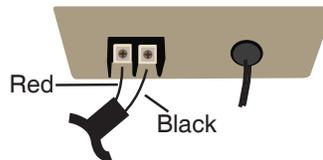
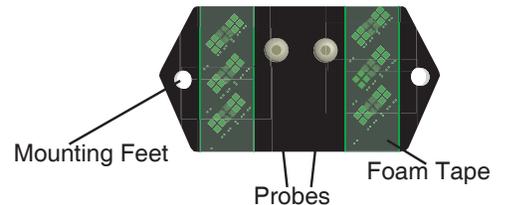
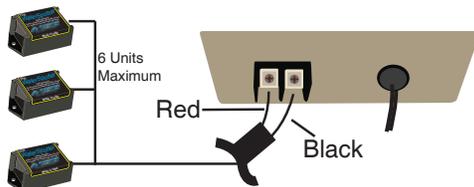


Figure 3



Multiple WaterSpotter's can be connected for zone protection. Maximum of 6 WaterSpotter's per each Versa'larm monitoring system.



The VERSA'LARM is able to monitor multiple sensors such as a float switch and WaterSpotter Simultaneously.

