

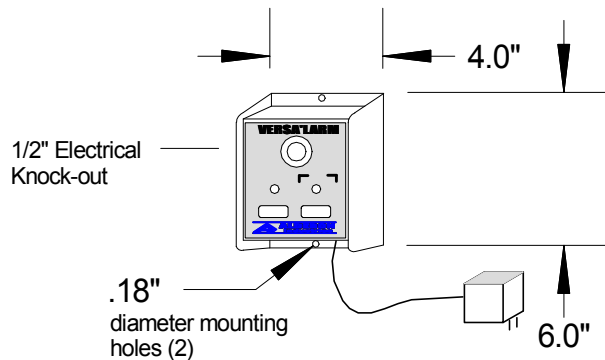
# VERSA'LARM™ Installation Instructions

**Warning!** Turn off all power when installing or adjusting unit. Failure to turn off all power could result in serious injury or death!  
 Read 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)**

### Electrical

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

### Model Number Nomenclature

VA	0	1		<u>Options</u>
				1 - Auxiliary Contacts, SPDT
				<u>Sensor Options</u>
				0 - no sensor, alarm panel only
				H - 15', Normally Open float switch
				L - 15', Normally Closed float switch
				WS - 10' WaterSpotter - model WS160-10
				VA - Versa'alarm series monitoring system



## 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 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.

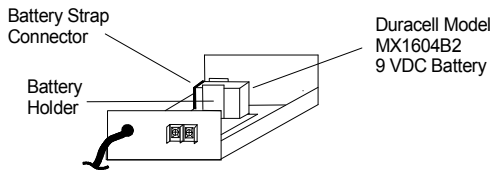
Test product weekly. Make sure the green "power on" light is "on". Press the "Test" switch, the red alarm light and buzzer should turn "on". If the battery backup system is utilized, unplug the wallmount power supply (the green light will be off). Now press the "Test" switch, the red alarm light and 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. Reconnect power supply when finished to put the Versa'alarm back into service.



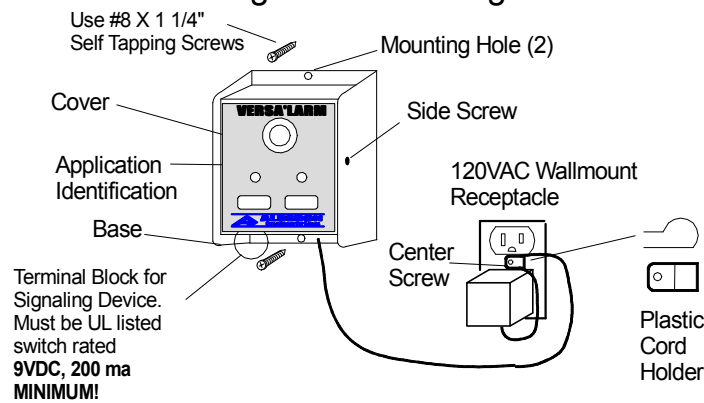
# VERSA'LARM™ Installation Instructions continued

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 wallmount 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 "signalling 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.

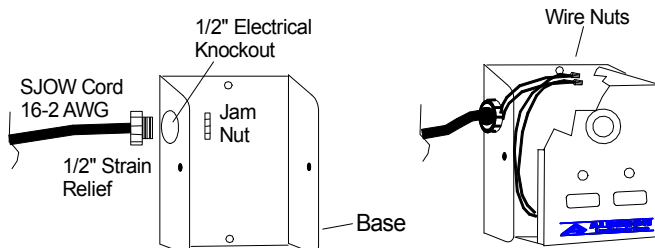
### Figure 1 - Installing/Replacing Battery



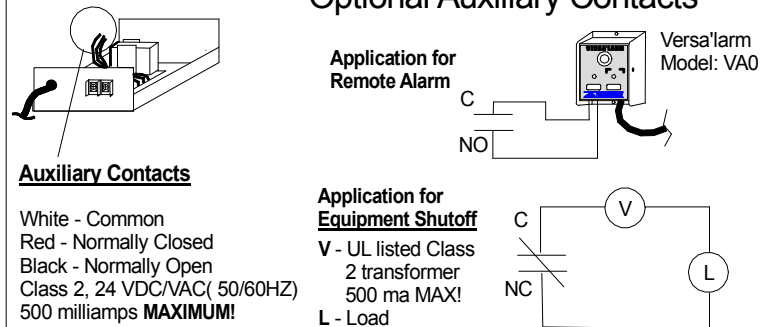
### Figure 2 - Mounting



### Figure 3A - Installing Field Wiring for Auxiliary Contacts



### Figure 3B - Wiring Diagram for Optional Auxiliary Contacts



# UniMax™ Control Switch Installation Instructions

**Warning: Turn off all power when installing or adjusting unit. Failure to turn off all power could result in serious injury or death!**

**Read instructions thoroughly.**

**Check local codes and install to meet requirements.**

UL Listed. Suitable for use in water and sewage.

Note: Check to make sure the right float switch is being used for the right application.

**Normally Open** - float switches are open while hanging "down" and will close on a rising liquid level. Typically used for high level alarms and "empty tank" applications.

**Normally Closed** - float switches are closed while hanging "down" and will open on a rising liquid level. Typically used for low level alarms and "filling tank" applications.

## Stainless Steel Pipe Clamp Models

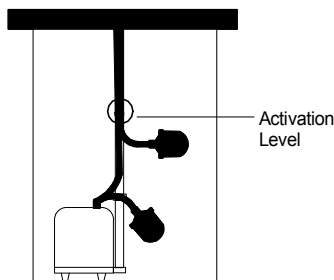
1. Determine desired activation level. See Figure 1.
2. Attach the Stainless Steel Pipe Clamp at the desired activation Level. Place the cord in the plastic holder and tether cord to about 4 inches and tighten screw tight to keep the cord from moving.
3. Connect the wires from the float switch into control/alarm device as required.
4. Check installation by cycling the float "on & off" to insure proper operation.

## Externally Weighted Models

1. Determine desired activation level. See Figure 2.
2. Suspend switch and cable weight at desired level. See Figure 4.
3. Wire leads of the float switch to control/alarm device as required.
4. Check installation by cycling the float "on & off" to insure proper operation.

### Pipe Clamp Models

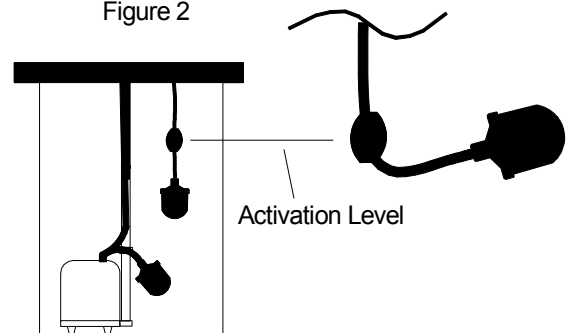
Figure 1



Typical application shown is for a pumping system

### Externally Weighted Models

Figure 2



## Specifications

**Electrical:** 1 amp @ 24 VDC or 5 amps @ 120/230 VAC  
**Cord:** SJOW-A flexible 16 gauge, 2 conductor Neoprene  
**Float Housing:** High Impact PVC, 3.25" diameter x 4.55" length  
**Max Temperature:** 140 degrees F.  
**Switch Configuration:** Single Pole, Single Throw



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