MYERS® MODELS SA-1 AND OSA-1
Sump Alarms

Indoor or Outdoor
Liquid Level Alarm Systems

The Myers® sump alarms are designed as high liquid level alarm systems. The SA-1 and OSA-1 alarm systems are engineered specifically for sump pump basins, holding tanks, sewage systems, lift pump chambers and non-potable water systems.

Benefits and Features.

- Installs in minutes.
- Quick connect terminal block.
- Corrosion resistant construction.
- Indoor, NEMA 1 enclosure. Outdoor, NEMA 4 enclosure.
- Audible and visual (OSA-1) alarms.
- Works during power failure (SA-1).

- Includes three power modes: 120 volt power source 9 volt battery source (SA-1) (battery not included) 120 volt with 9 volt back-up (SA-1).
- UL and CSA listed power supply.

Technical Information	
Power Cord	6 ft. 18/3 SPT-2
Voltage	Primary, 120V, 60 Hz Secondary, 9V
Watts	5 watt alarm condition
Alarm Panel (SA-1)	NEMA 1, 6" x 4" x 2" plastic enclosure with line cord
(OSA-1)	NEMA 4
Float (SA-1)	2" dia. x 3" long switch
Intermittent Liquid Temp.	Up to 140°F
Switch Cord	10 ft. 18/2 SJOW (SA-1) 15 ft. 18/2 SJOW (OSA-1)
Third Party Approval	UL, CSA

Installing the Float Switch.

1. Place the cord into the clamp.
2. Locate the clamp at the desired activation level and secure the clamp to the discharge pipe. NOTE: Do not install cord under hose clamp.
3. Tighten the hose clamp using a screwdriver. Over tightening may result in damage to the plastic clamp. Make sure the float cable is not allowed to touch the excess hose clamp band during operation.
4. Wire cable leads directly into control device.
5. Check installation. Allow system to cycle to ensure proper operation.

Installing the OSA-1 Alarm.

1. Mount alarm box using existing holes in back of box. To ensure watertight seal, use screws and sealing washers included with alarm. NOTE: Screws are to be located over wall stud or used with a wall anchor sized for a #8 x 1.25 self-tapping screw.
2. Determine "conduit-in" locations on alarm. NOTE: when used with a pump application, connect alarm to a circuit separate from the pump circuit. This allows alarm to continue to operate if the pump circuit fails.
3. Drill holes for conduit entry, taking care not to damage bosses inside alarm box.
4. Attach conduit.
5. Bring float switch cable through conduit and wire to terminal block.
6. Wire power conductors to terminal block and ground wire to ground termination post.
7. If remote device is used, connect wires using supplied wire nuts.
8. Attach alarm box cover using the four pre-installed screws.
9. Turn on power. Light on switch should come on.
10. Check installation by manually tipping the float. The horn and beacon should turn on.
11. Push silence switch to test silence feature.
12. Test unit once per week to insure proper operation.

Installing the SA-1 Alarm.

1. Mount alarm panel inside building with screw using the hole located on the top center of the upper mounting bracket on the panel.
2. Connect the two conductor wires from the sensor float to the quick connect terminals on the bottom of the alarm panel. NOTE: The alarm panel plugs into a standard household 120 VAC receptacle.
3. To check the alarm panel, move the H-O-A switch to the "Test" position.

   NOTE: The float switch operates on low voltage and is isolated from the 120V power line to reduce shock hazard. Attach float switch cable to discharge pipe with cable tie provided. Minimum tether should be 5 inches.