
Oil Smart[®] Simplex Panel

Model #A1SEE1

INSTALLATION MANUAL



CentriPro

a xylem brand

OIL SMART SIMPLEX SYSTEM

The Oil Smart Simplex System, when combined with a manual sump pump, will automatically pump water without the risk of pumping oil into the environment. Additionally, the system alerts maintenance or building personnel in the event of a high oil or high water condition. Installation of the Simplex Panel allows you to comply with Elevator Code ASME A17.1 and State/Federal regulations while reducing the risk of adverse publicity, fines and expensive cleanup costs.

FEATURES

Patented Oil Smart® and Liquid Smart® Controls with 20' cords and mounting brackets.

Indoor/Outdoor NEMA 4X Heavy Duty Polycarbonate Enclosure: 10"x8"x4", color gray material 94V-2, polycarbonate, IP-56 rating.

Voltage: 120/208/240 VAC single phase 50/60 hz

CSA International Certified No. 229294

External Mounting Feet: Quick installation

High liquid alarm with test and silence features, red beacon alarm light, white light for water present, yellow light for oil present, high 85 decibel audible alarm. Complete dry contacts for each alarm condition.

HOA switch and green light for pump run

⚠ WARNING ALL INSTALLATIONS MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ANY OTHER APPLICABLE STATE AND LOCAL ELECTRICAL REQUIREMENTS.

PANEL INSTALLATION

1. **CAUTION:** To maintain the NEMA 4X rating, make all wiring connections with seal tight cable grips or conduit connections to be supplied by end user.
2. Determine mounting location for control panel. Mount panel using mounting feet supplied.
3. Determine hole location on panel for liquid-tight or conduit connections. Attach connectors and conduits.
4. If pump is present, it is important that the alarm circuit is independent of the pump to assure that the alarm will activate if pump circuit fails.

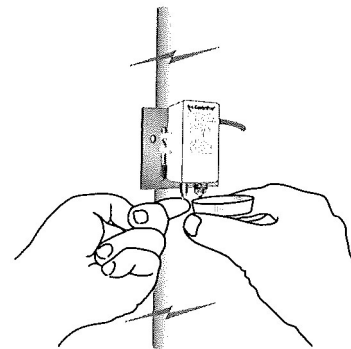
5. Run pump cable, Liquid Smart® cable, and Oil Smart® cable through conduit. Make field connections as shown on wiring diagram (see page 3).
6. Run power line conductor through conduit. Wire to terminals per enclosed schematic. Branch circuit protection to be provided by end-user.

COMPONENTS INSTALLATION

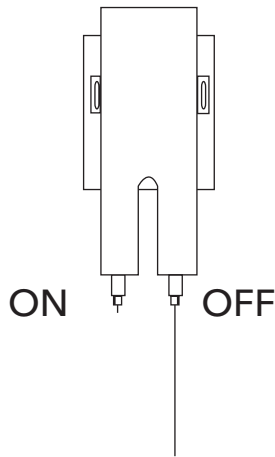
1. The Oil Smart Pump Switch and Liquid Smart Alarm Sensor shall be mounted in a clean environment, clear of mud and all metallic debris.
2. The switches shall be installed where the water intrusion will not directly contact or splash the white plastic case.
3. Mud or other conductive materials left on the body of the switches will hamper its operation; take effort to clean the switch prior to initial installation.
4. Mount with enclosed mounting brackets. Note: Keep sensors at least 2" clear of any metallic material.

TESTING

Liquid Smart® Alarm Sensor: Fill small cup supplied with oil. Submerge only the plastic lens (optic sensor) into oil, the alarm will activate showing oil present (yellow light). Now touch finger to the exposed stainless steel sensor, the alarm will show water present (white light) will turn on.



Oil Smart® Switch: Place HOA switch on control panel in the automatic position. Place your thumb on the short sensor of Oil Smart Pump Switch and the pump will turn on. While touching the short sensor, touch the long sensor "off" with your fingers. Remove your thumb from on sensor and begin to move your fingers down the off sensor. Remove your fingers from off sensor and the pump will turn off. OR fill sump with water, when water reaches on sensor, the pump will turn on and remain on until water clears the off sensor.



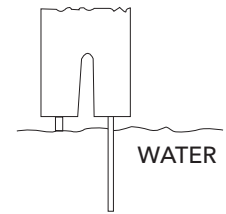
OIL SMART AND LIQUID SMART MAINTENANCE

The Oil Smart Pump and the Liquid Smart Alarm Switches are designed and tested to withstand the normal sump environment conditions. To ensure longevity of the components, make sure to wipe clean of any conductive material if the switch is submerged in water during initial install.

OPERATION

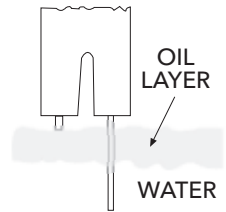
Normal Conditions (Water Only)

The short sensor probe turns the pump "on" and the long sensor probe turns the pump "off". When the short sensor is in contact with water, the pump will continue to cycle "on and off" until the short sensor detects oil.



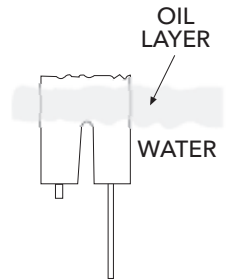
Oil Present Condition

The pump will not cycle if oil is in contact with the short sensor. As oil continues to rise, the alarm will sound that there is oil present and the oil will be pumped from the sump.

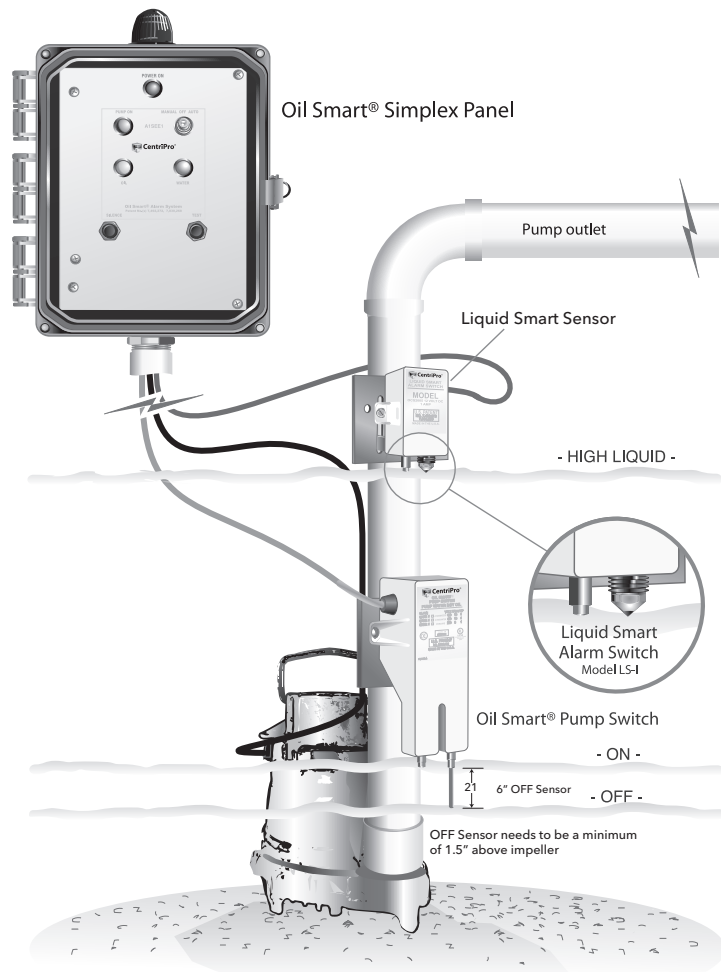


High Water (Oil Present Condition)

If additional water enters the basin, it will cause the oil layer to rise above the short sensor, resulting in the pump cycling.



COMPONENT INSTALLATION



Order Online: www.PumpCatalog.com

CENTRIPRO LIMITED WARRANTY

This warranty applies to all water systems pumps manufactured by CentriPro.

Any part or parts found to be defective within the warranty period shall be replaced at no charge to the dealer during the warranty period. The warranty period shall exist for a period of twelve (12) months from date of installation or eighteen (18) months from date of manufacture, whichever period is shorter.

A dealer who believes that a warranty claim exists must contact the authorized CentriPro distributor from whom the pump was purchased and furnish complete details regarding the claim. The distributor is authorized to adjust any warranty claims utilizing the CentriPro Customer Service Department.

The warranty excludes:

- (a) Labor, transportation and related costs incurred by the dealer;
- (b) Reinstallation costs of repaired equipment;
- (c) Reinstallation costs of replacement equipment;
- (d) Consequential damages of any kind; and,
- (e) Reimbursement for loss caused by interruption of service.

For purposes of this warranty, the following terms have these definitions:

- (1) "Distributor" means any individual, partnership, corporation, association, or other legal relationship that stands between CentriPro and the dealer in purchases, consignments or contracts for sale of the subject pumps.
- (2) "Dealer" means any individual, partnership, corporation, association, or other legal relationship which engages in the business of selling or leasing pumps to customers.
- (3) "Customer" means any entity who buys or leases the subject pumps from a dealer. The "customer" may mean an individual, partnership, corporation, limited liability company, association or other legal entity which may engage in any type of business.

THIS WARRANTY EXTENDS TO THE DEALER ONLY.



Xylem, Inc.
2881 East Bayard Street Ext., Suite A
Seneca Falls, NY 13148
Phone: (866) 325-4210
Fax: (888) 322-5877
www.centripro.com

CentriPro is a trademark of Xylem Inc. or one of its subsidiaries.
© 2013 Xylem Inc. IMOSSS Rev. 0 February 2013