Oil Smart® Alarm System:

The OSA-06 is an Oil Smart® Alarm designed for outdoor applications. The alarm is housed in an outdoor rated NEMA 4X enclosure convenient for hard wiring. The system is complete with visible mounted indicators and dry contacts for remote monitoring. The alarm will activate with the presence of any liquid and will identify if oil or water is present.

Models:

OSA-06
120V 60Hz.

OSA-06-E
230V 50Hz.

Features:

- Includes Liquid Smart® Alarm Switch with 20′ cord
- CSA Certified for the United States and Canada, UL Listed for the United States and Canada
- Panel enclosure: Heavy duty polycarbonate indoor/outdoor NEMA 4X rated with lockable latches
- Alarm sensor differentiates between oil and water
- Alarm visible indicators: red beacon alarm light, yellow light for oil, white light for water, alarm test and silence buttons
- Alarm horn that sounds at 85 decibels at 10 feet
- Remote monitoring dry contacts: oil, water, high liquid

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⚠ **WARNING**

1. All installations must be in accordance with the National Electrical Code, and any other applicable state and local electrical requirements.

⚠ **WARNING**

1. The switch and pump are not rated for explosive environments. This product is intended for hydraulic oils only.

Panel Installation:

1. Determine mounting location for control panel. Mount panel using mounting hardware provided.
2. Branch circuit protection shall be provided by the installer.

Components Installation:

1. The Liquid Smart® Alarm Sensor shall be mounted in a clean environment, clear of mud and all metallic debris.
2. 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.
3. Mount with provided mounting brackets.

Start Up:

1. To test the alarm circuit, push the test button on the front of enclosure, the audible alarm shall sound and the red beacon will light. Push the silence button to silence the alarm buzzer.
2. To test the Liquid Smart® sensor, refer to testing (page 2).

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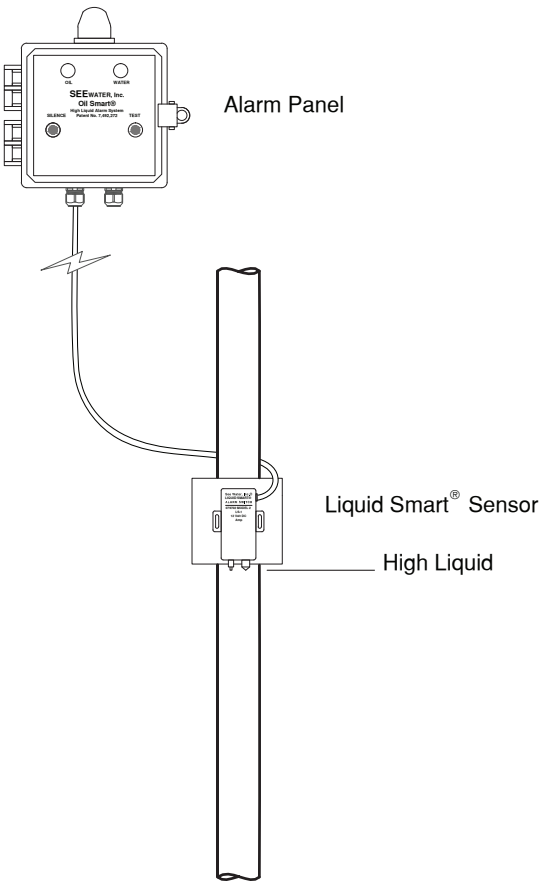
Installation Manual

Testing:

Liquid Smart® Alarm Testing

Oil Test: Submerge both sensors in oil and the yellow oil indicator on the front panel will light.
Water Test: Submerge both sensors in water and the white water indicator on the front panel will light.
Both tests will turn on the red beacon alarm light and sound the alarm buzzer.

Typical Installation for Oil Smart® Alarm System

Alarm Panel

Liquid Smart® Sensor

High Liquid

Oil Smart Control Panel Troubleshooting Guide

Problem	Possible Cause	Solution
Alarm will not activate	Power supply failure	Confirm separate 120V power to circuit board. Can be jumpered from incoming power on pump terminal if 120V is available.
	Defective Alarm Sensor	Replace Alarm Sensor
	Loose connection in control panel. or electrical system.	Confirm all connections are tight and secure.