



OSA-06 OIL SMART® ALARM PANEL AND ELECTRIC JUNCTION BOX

OSA-06 Oil Smart® Alarm Panel and Electric Junction Box

Indoor & outdoor NEMA 4X Enclosure, Heavy Duty Polycarbonate plastic Construction. Larger enclosure: for use as electrical junction box, when hardwiring is required. Allows for field wiring of pump and oil smart switch. Includes the Liquid Smart® (All-In-One Optic & Capacitive Sensor).

SPECIFICATION:

Voltage: 120/208/240VAC primary, 50/60 Hz.

Enclosure: Type 4X non-metallic.

External Dimensions: 6"x6"x 4". Color Gray

Material 94V-2 Polycarbonate, IP-56 Rating.

CSA International Certified No. 229594

FEATURES:

External mounting feet for quick installation to any flat surface.

Test and silence buttons; alarm automatically resets.

15 AMP, 120 VAC GFCI for alarm, second circuit to be sized for pump application. Both circuits supplied and installed by end user. When alarm and pump system are installed on separate circuits the alarm unit will operate even if the pump circuit fails (a true alarm system).

- Red beacon alarm light
- High 84 decibel audible alarm and dry contact
- Oil present yellow light and dry contact
- Water present white light and dry contact
- Easy accessible terminal blocks
- Liquid Smart alarm switch 100' cord (standard 20')
- Silence switch and test switch
- Mounting hardware included

The Oil Smart Alarm system is triggered by the Liquid Smart® sensor. Alarms are equipped with both visual and audible signals. The Liquid Smart® alarm sensor will activate the alarm and indicator lights under the following condition: A high liquid level, the Oil Smart® Alarm will differentiate and indicate if oil (amber light) or water is present (white light).



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or www.oilsmart.org

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Fail-Safe Technology since 1995.

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"OIL SMART" Water Pump Switches

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PANEL INSTALLATION:

Caution: to maintain the NEMA type 4x watertight feature, make all wiring connections with seal tight cable grips or conduit connectors.

1. Determine hole location on panel for liquid-tight or conduit connectors. Drill proper sized holes for liquid-tight.
2. Determine mounting location for control panel. Mount panel using mounting feet.
3. Run Liquid Smart Alarm Switch cable, and 120 VAC cable through liquid tight cable grips or conduit. Make field connections per enclosed schematic.
4. Wire to terminals per enclosed schematic. **It is important that the alarm circuit is independent of the pump to assure that the alarm will activate if pump circuit fails.**
5. Testing Liquid Smart Switch: 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 and the white water light will turn on.

OPERATION:

Should the pump fail to lower the sump level and a continued rise activates the "Liquid Smart alarm" Switch, the external alarm horn and the high level flashing light will energize, simultaneously energizing the High Water alarm switch indicating water or oil present. A drop in sump level below the "alarm" sensor will de-energize the alarm. The alarm is also equipped with dry contacts indicating high liquid level, oil present, or water present.

TESTING THE LIQUID SMART SWITCH:

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 and the white water light will turn on. Place the high water alarm switch at the high liquid level desired, above the

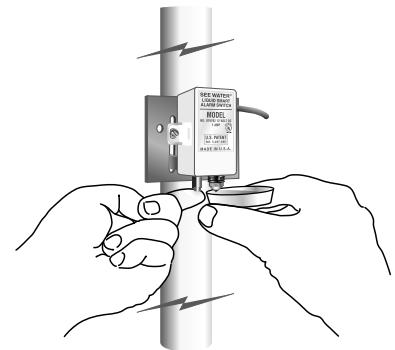
The alarm is also equipped with dry contacts indicating high liquid level, oil present, or water present.

SERVICE:

Caution: Before checking electrical connections within the control or attempting to replace any components, turn off all branch circuits supplying power to the main control panel.

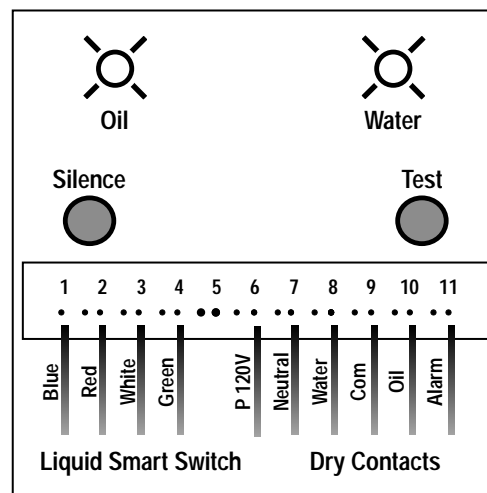
The alarm circuit can be tested by momentarily pressing the alarm test button. Once satisfied that the alarm circuit is functioning, press the silence button the alarm will de-energize and automatically reset.

OIL SMART ALARM PANEL
Model# OSA-06



WARRANTY:

SEWater, Inc. warrants that the products will be free from defects in material and workmanship for a period beginning as of the date of purchase for two (2) years. This warranty is limited to the replacement of the product only at the sole discretion of SEWater, Inc. This warranty valid only when the product is installed in strict compliance with the manufacturer's installation instructions. SEWater, Inc. will in no way be responsible for the reliability of any pump that is connected to or operates with SEWater, Inc. products. SEWater, Inc. will replace the product when it is returned to SEWater, Inc., postage prepaid with proof of original purchase included.



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SEEWATER Inc.
"OIL SMART" Water Pump Switches

Liquid Smart® Alarm Switch

Overview

The Liquid Smart® Alarm Switch is a combination of capacitive and optic technology. The switch will activate the Oil Smart® Alarm with the presence of any liquid and simultaneously identify if oil or water is present. The alarm is a solid-state, low amp alarm circuit.

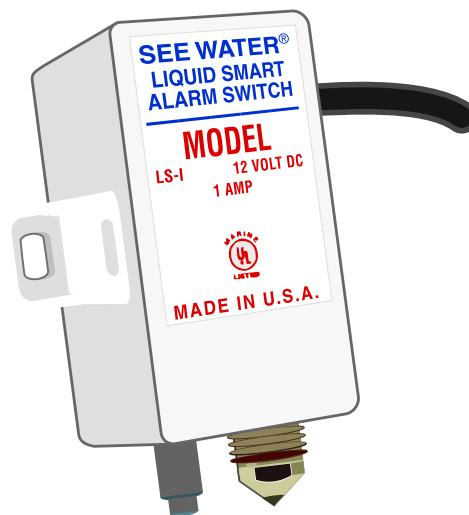
Liquid Smart® Specifications

Dimensions: 3" High x 1.5" Wide x 1.5" Deep

Voltage: 12VDC

Enclosure: Constructed of high impact injected molded plastic

Wire: Insulation-PVC, PE with Bylon rip cord, 18 AWG, UL listed for Direct Burial



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Rev 1 (1m/07-07) Printed in U.S.A.

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