

# Oil Smart® Alarm Panel (Model #OSA-06)

BN	IM602
REV	1011

## Installation Manual

### Oil Smart® Alarm System:

The Oil Smart® Alarm System differentiates between oil and water. The system is complete with visible mounted features and dry contacts for remote monitoring. The alarm will activate with the presence of any liquid/substance and will identify if oil or water is present. Installation of the Oil Smart Alarm System allows you to comply with State and Federal regulations while reducing the risk of adverse publicity, fines and expensive cleanup costs.

### Features:

- No Moving Parts. Patented Liquid Smart® Control and 20' cord. Optional length available up to 100'.
- Indoor/Outdoor NEMA 4X Heavy Duty Polycarbonate Enclosure: 6"x6"x4", Color Gray Material 94V-2, Polycarbonate, IP-56 Rating
- Voltage: FGD VAC 50/60Hz
- 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.
- Easy Accessible Terminal Block



### WARNING

1. 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 screws provided.
3. 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.
4. Branch circuit protection to be provided by end-user

### Components Installation:

1. The Liquid Smart Alarm Sensor shall be mounted in a clean environment, clear of mud and all metallic debris.
2. The switch 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.

[www.seewaterinc.com](http://www.seewaterinc.com)  
or [www.oilsmart.org](http://www.oilsmart.org)  
951.487.8073 • 888.733.9283  
Email: [info@seewaterinc.com](mailto:info@seewaterinc.com)

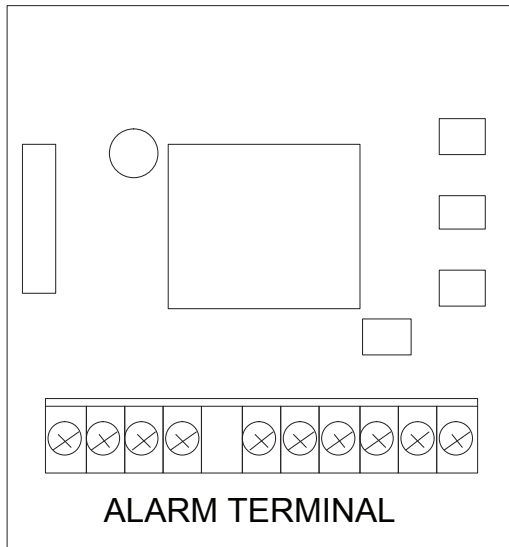
121 North Dillon Avenue • San Jacinto, CA 92583  
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Oil Smart® Technology since 1995.

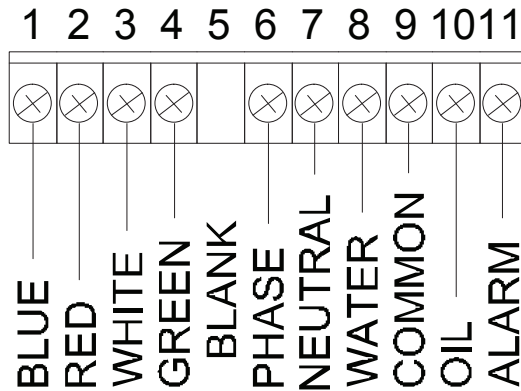
**SEEWATER** Inc.   
"OIL SMART" Water Pump Switches

**Wiring Diagram Drawing # 10(\***

Model # OSA-06



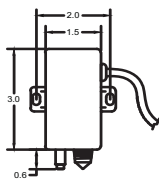
**ALARM TERMINAL**



[ LIQUID SMART ALARM SWITCH ] [ F20 V ] [ DRY CONTACTS ]

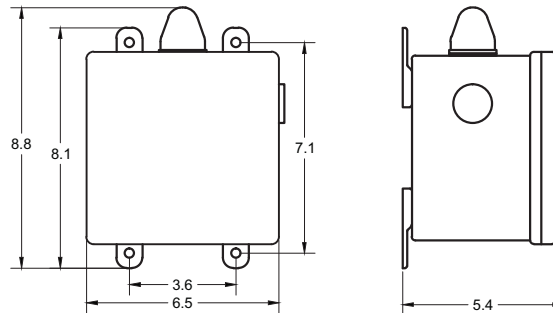
\*All components are pre-wired for plug and play installation. To access alarm circuit board and dry contacts for remote monitoring, remove back panel. The dry contacts are rated for 60V AC or DC, 1 amp maximum.

**Liquid Smart® Alarm Sensor**



If a liquid comes in contact with the sensors of the Liquid Smart Alarm sensor, the sensor will send a signal to the control panel that there is a high liquid present. Simultaneously, the alarm sensor will differentiate and indicate if oil or water is present.

**OSA-06-E Enclosure**



**Technical Specifications:**

- Panel Enclosure: NEMA 4X Polycarbonate, 6"x6"x4"
- Liquid Smart Enclosure: Type 3R High Impact Injected Plastic, 3.5"H x1.5"Wx1.5"D
- Liquid Smart Voltage: 12VDC
- Liquid Smart Wire: Insulation-PVC, PE with bylon rip cord, 18AWG, UL Listed
- Liquid Smart Technology: Combination capacitive/optic, solid-state low amp circuit

