



## OIL SMART® DUPLEX PANELS

### Single Phase Oil Smart® Duplex Panel

The Oil Smart Duplex Panel, when combined with two manual sump pumps, will automatically pump water without the risk of pumping oil into the environment. The panel provides pump alternation and high demand two pump operation. Additionally, the duplex system alerts maintenance or building personnel in the event of a high oil or high water condition. The control panel comes complete with all required controls and panel monitoring capabilities. Installation of the Duplex Panel allows you to comply with State and Federal regulations while reducing the risk of adverse publicity, fines and expensive cleanup costs.

#### Models:

##### OSD1P-3

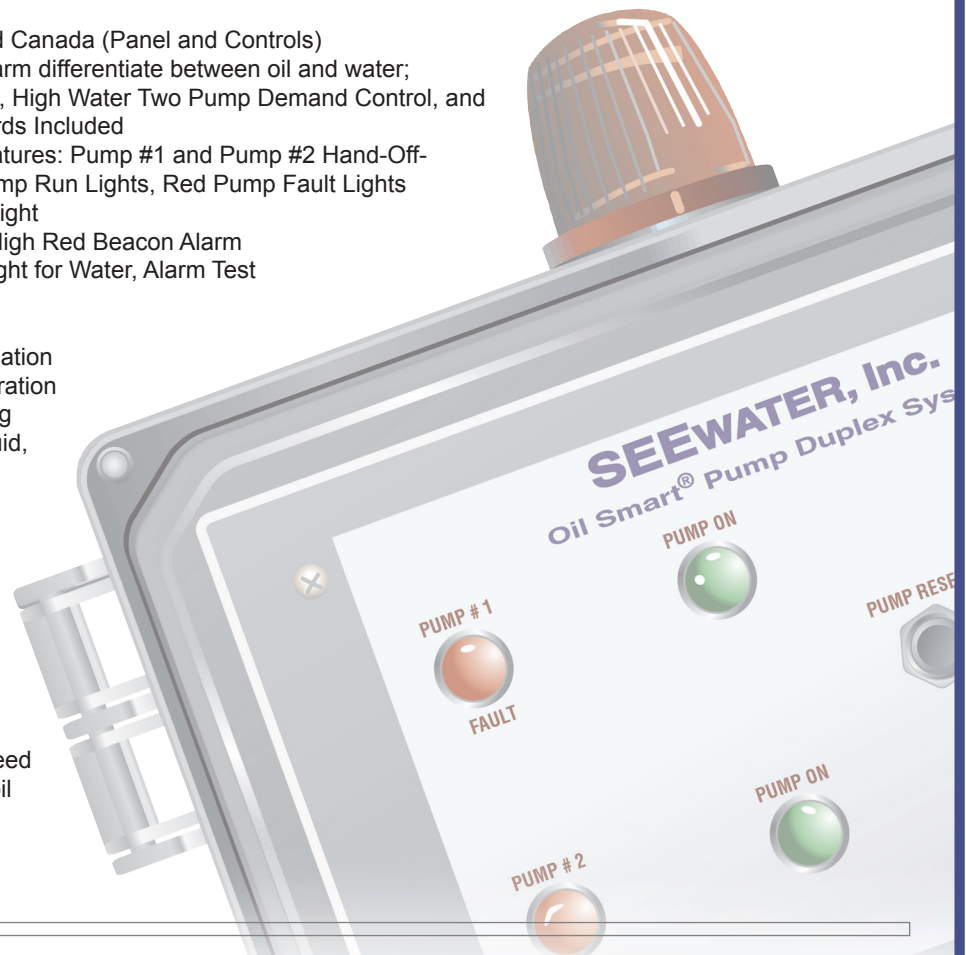
120/208/240 VAC Single Phase, operates pumps up to 1HP @ 120V, 2HP @ 208/240V

#### Features:

- UL Listed for the United States and Canada (Panel and Controls)
- Pump Controls and High Liquid Alarm differentiate between oil and water; Includes Oil Smart® Pump Control, High Water Two Pump Demand Control, and Liquid Smart Alarm Switch; 20' Cords Included
- Pump Control Visible Mounted Features: Pump #1 and Pump #2 Hand-Off-Auto (H.O.A.) Switches, Green Pump Run Lights, Red Pump Fault Lights with Reset Button and Power On Light
- Alarm Visible Mounted Features: High Red Beacon Alarm Light, Yellow Light for Oil, White Light for Water, Alarm Test and Silence Buttons
- High 85 Decibel Audible Alarm
- Duplex Provides: Two Pump Alternation and High Demand Two Pump Operation
- Complete Panel Remote Monitoring Dry Contacts: Oil, Water, High Liquid, Pump #1 Fault, Pump #2 Fault
- Pump Protection: Two Pump Circuit Breakers, Pump No-Load Lockout, Pump Seal/Overheat Contacts with Lockout

#### Applications:

- Elevator Sumps
- Transformer Containment Areas
- Underground Vaults
- Any application where there is a need to remove water while containing oil



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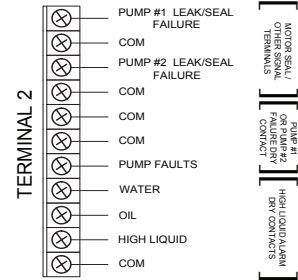
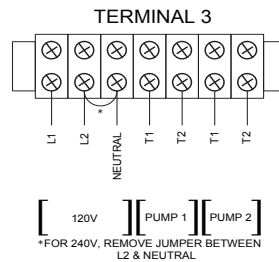
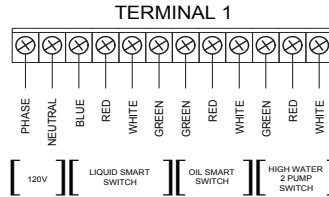
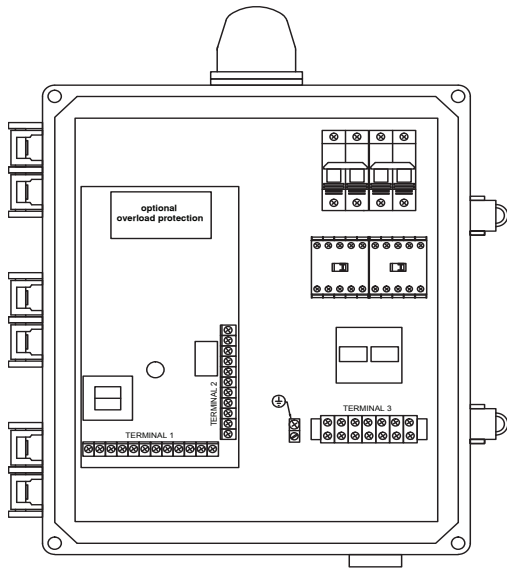


Oil Smart® Technology since 1995.

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

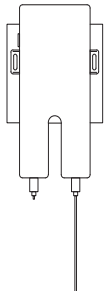
# OIL SMART® DUPLEX PANELS

## Single Phase Duplex Panel



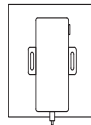
### Operation:

#### Oil Smart® Water Pump Switch



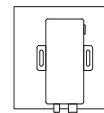
When water comes in contact with the short (on) sensor, the pump will turn on; The pump will remain on until water clears the long (off) sensor. If oil comes in contact with the on sensor, the pump will not turn on; however the pump switch will activate and pump water from under the oil. Oil does not harm the system in anyway. The sensors can oscillate through oil and see water.

#### High Water Two Pump Switch



If water continues to enter the sump and one pump cannot keep up with the inflow of water, water will make contact with the sensor of the High Water Two Pump Demand Switch. If water comes in contact with the sensor, the second pump will turn on and both pumps will continue to pump water until water clears the off sensor of the Oil Smart Switch, shutting both pumps down.

#### Liquid Smart® Alarm Sensor



If a high 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.

### Technical Specifications:

- Panel Enclosure: Heavy Duty NEMA 4X Polycarbonate, 14"x12"x6"
- Components Enclosure: Type 3R High Impact Injected Plastic
- Oil Smart Switch Dimensions: 2.5"W x 6"H x 1.75"D plus 6" sensor
- Liquid Smart/High Water 2 Pump Switch Dimensions: 3.5"H x 1.5"W x 1.5"D

### Custom Options:

- Pump Overload Protection
- Additional Component Cord Length
- Elapsed Time Meter
- Cycle Counter
- Main Disconnect Switch
- Pump Run Dry Contact
- HOA Dry Contact
- Wireless Communication

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