



OIL SMART® SIMPLEX PANELS

Three Phase Oil Smart® Simplex Panel

The Oil Smart Simplex Panel, when combined with a manual sump pump, will automatically pump water without the risk of pumping oil into the environment. The panel provides complete pump protection and monitoring. Additionally, the 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 Simplex Panel allows you to comply with State and Federal regulations while reducing the risk of adverse publicity, fines and expensive cleanup costs.

Models:

OSSIM-TP-3

208/240 VAC Three Phase, operates pumps up to 3HP @ 208/240V

OSSIM-TP-3-B

480 VAC Three Phase, operates pumps up to 7.5HP @ 480V

Features:

- UL Listed for the United States and Canada (Panel and Controls)
- Pump Control and High Liquid Alarm differentiate between oil and water; Includes Oil Smart® Pump Control and Liquid Smart Alarm Switch; 20' Cords Included
- Pump Control Visible Mounted Features: Pump #1 Hand-Off-Auto (H.O.A.) Switch, Green Pump Run Light, Red Pump Fault Light 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
- Complete Panel Remote Monitoring
Dry Contacts: Oil, Water, High Liquid, Pump Fault
- Pump Protection: Pump Circuit Breaker, Pump No-Load Lockout, Pump Seal/Overheat Contact 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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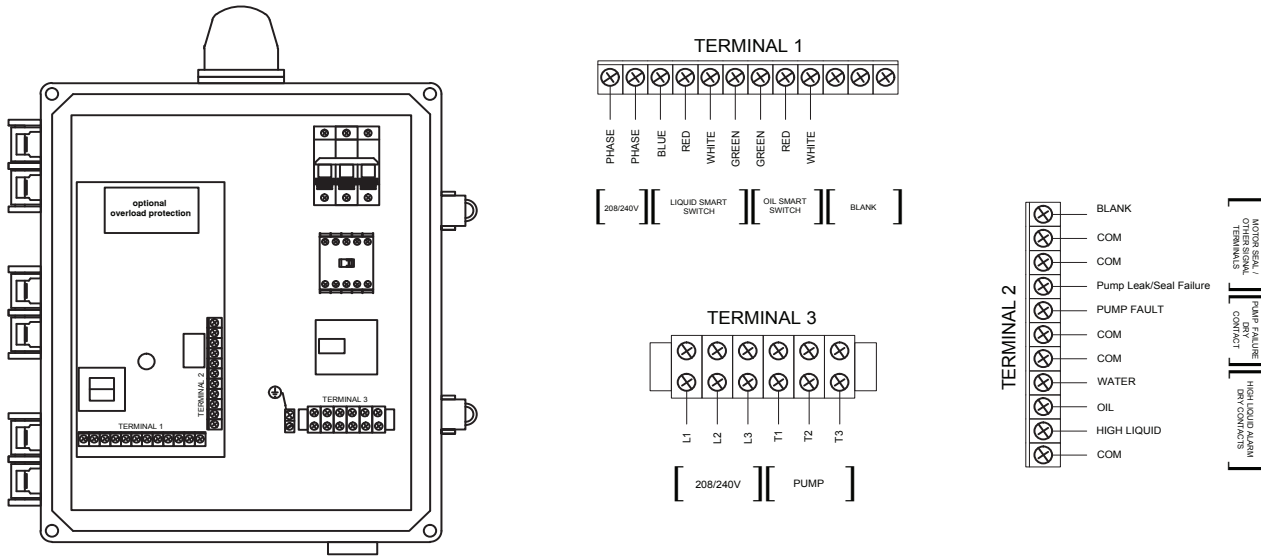
Oil Smart® Technology since 1995.



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Three Phase Simplex Panel

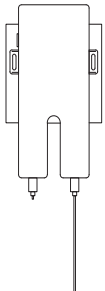


The above Wiring Diagram is Model # OSSIM-TP-3; On Model # OSSIM-TP-3-B, 480V wires to Terminal Block Three, #1-3 and the panel includes a built-in 480V to 120V power supply to power Terminal Block One, #1-2.

The dry contacts are each rated for 60V AC or DC, 1 amp maximum.

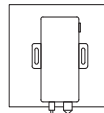
Operation:

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.

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 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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