

## The OilSmart™ Pump Control and Alarm System

Since 1995, the Oil Smart® Pump Controller has been the reliable choice for pumping water from Elevator Sumps, Underground Vaults, and other applications.

- **OilSmart Technology:**

- OilSmart Pump Controller
  - When combined with a manual pump, will automatically pump water without the risk of pumping oil into the environment.
- OilSmart Alarm
  - Provides detection, monitoring, and will alert maintenance personnel of a high oil or high water condition at any given location.
- OilSmart Control Panels
  - Includes pump control and alarm technology while providing upgraded and custom features of industry standard control panels.

- **Applications:**

- Elevator Sumps
- Transformer Containment Barriers
- Underground Vaults
- Substations

### OilSmart Component Selection:

Part Number	Description	Alarm Panel	OilSmart Pump Controller	Liquid Smart Alarm Switch	High Water 2 Pump Switch
SOSS20PBPRX	OilSmart Pump Switch-Piggyback Plug		✓		
SOSS20RX	OilSmart Pump Switch- w/o plug		✓		
SOSA-05X	OilSmart Alarm	✓		✓	
SOSA-06X	OilSmart Alarm w/o plug, junction box	✓		✓	
Any Simplex	OilSmart Simplex Panel NEMA 4X	✓	✓	✓	
Any Duplex	OilSmart Duplex Panel NEMA 4X	✓	✓	✓	✓

## OilSmart™ System Specifications Sheet

### A. OilSmart™ Pump Controller

The OilSmart™ Pump Controller is an industrial grade switch (UL 508) with internal 20-amp relay used to control water pumps in elevator, utility, or any de-watering environment. Installation will allow water to be pumped automatically without the risk of pumping oil.

Options:

120VAC

\_\_\_\_\_ 20 Ft. Cord with piggyback plug

Model # SOSS20PBPRX

\_\_\_\_\_ 20 Ft. Cord no plug (hardwire)

Model # SOSS20RX

230VAC

\_\_\_\_\_ 20 Ft. Cord no plug (hardwire)

12/24VDC

\_\_\_\_\_ 20Ft. Cord no plug (hardwire)

### B. OilSmart™ Alarm

The OilSmart™ Alarm will alert resident or maintenance personnel of a high liquid level while indicating if oil or water is present. High Oil and High Water level lights and standard remote dry contacts.

Options:

\_\_\_\_\_ Alarm System with High Liquid Audible Alarm, Red Beacon, Oil Present-Yellow Light and Water Present-White Light. Includes power cord. Includes Liquid Smart Sensor. Model # SOSA-05X

\_\_\_\_\_ Alarm System with High Liquid Audible Alarm, Red Beacon, Oil Present-Yellow Light and Water Present-White Light. Junction Box for hard wiring. Includes Liquid Smart Sensor. Model # SOSA-06X

### C. Liquid Smart Alarm Switch

The Liquid Smart Sensor is a combination of capacitive and optic all in one encapsulated unit. Differentiates and indicates the presence of oil or water under high liquid condition.

### D. OilSmart™ Simplex Control Panel (Optional)

The OilSmart™ Simplex Panel will control pump and alert resident or maintenance personnel of a high liquid level. High Oil and Water level lights and standard remote dry contacts.

Options:

\_\_\_\_\_ Basic Simplex Panel Model # SOSSIM-30X

\_\_\_\_\_ Simplex Total Pump Protection Systems (Single or Three Phase with several options to choose from)

Model #'s: SOSSIM-TP-1X, SOSSIM-TP-1-DX, SOSSIM-TP-3X, SOSSIM-TP-3-DX, SOSSIM-TP-3-BX, SOSSIM-TP-3-B-DX)

### E. OilSmart™ Duplex Control Panel (Optional)

The OilSmart™ Duplex Panel will control pumps and alert resident or maintenance personnel of a high liquid level. High Oil and Water level lights and standard remote dry contacts.

Options:

\_\_\_\_\_ Duplex Panel (Single or Three Phase with several options to choose from) Model #'s: SOSSD1P-3X, SOSSD1P-3-DX, SOSSD1P-7X, SOSSD1P-7X, SOSSD3P-5X, SOSSD3P-5-DX, SOSSD3P-10X, SOSSD3P-10-DX)

### F. Pump(s)

Pump shall be any manual sump pump within approved rating of controls. Contact Pump Rep for details.

### G. Check Valve Recommended (not shown below)

Contact pump rep for details.

