

# OilSmart Pump Switch

## PUMPS WATER ONLY, WILL NOT PUMP OIL

### Overview:

The OilSmart Pump Switch, when combined with a non-auto sump pump, will allow water to be pumped without the risk of pumping oil. This product is ideal for elevator sumps, transformer containment areas, and city underground vaults. Since 1995, the Oil Smart Switch has been the reliable choice for safely pumping water.

### Features:

- Directly controls sump pumps 0 to 1 hp or 16FLA (piggyback): quick installation
- Available in 120 VAC, 230 VAC 50/60 Hz., or 12/24 VDC
- No expensive electrical panel required
- Sensors differentiate between oil and water
- Differential between on and off is 6" (Pumping Range)
- Available as hardwire or piggyback plug configuration
- Helps satisfy elevator code ASME A17.1 and the EPA's Spill Prevention, Control, and Countermeasure Plan

### Applications:

- Elevator Sumps
- Transformer containment areas
- Underground utility vaults
- Any application where there is a need to remove water while containing oil



# OilSmart Pump Switch

## Model:

S/OSS20PBPR6/X 120VAC 16AMPS 60Hz. Piggyback Plug

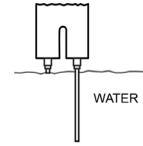
## Technical Specifications:

- Plastic: Type 3R High Impact Injected Plastic
- Sensors: Type 304 Stainless Steel
- Standard Temperature Operating Range:  
-33°F (-36°C) to 170°F (77°C)
- Operating Temperature: Designed to operate up to 30 psig at 70°F (21°C)
- Standby Current: .004 Amps
- Technology: Capacitive type sensitive to variations in dielectric constant of water and/or hydrocarbons

## OPERATION OF OILSMART

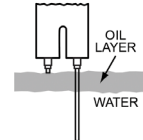
### Normal Condition (Water Only)

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.



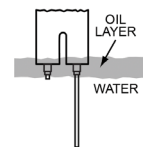
### Oil Present Condition

If oil comes in contact with the (on) sensor, the pump will not turn on.

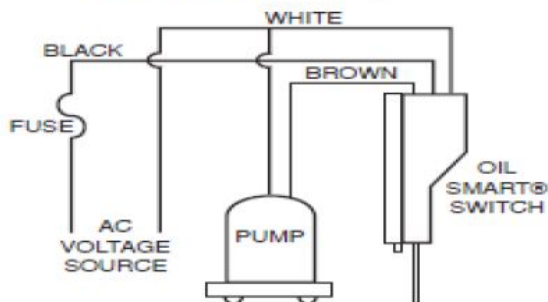


### Water (Oil Present Condition)

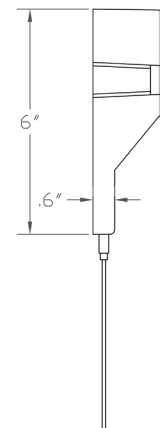
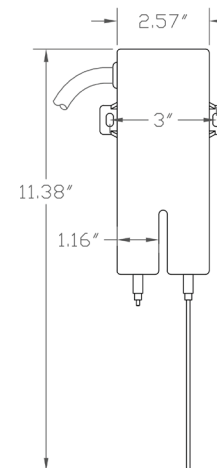
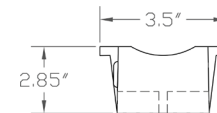
If the water level rises enough to contact the (on) sensor under the oil layer, the pump will turn on and remain on until the (off) sensor clears of water.



## Hardwiring: WIRING DIAGRAM



## DIMENSIONS



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