

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: Description:

S/OSS20R6/X 120VAC 16AMPS 60Hz. Bare Leads
 S/OSS20PBPR6/X 120VAC 16AMPS 60Hz. Piggyback Plug
 S/OSS20R6E/X 230VAC 8AMPS 50/60Hz Bare Leads
 S/OSS20R6DC/X 12/24VDC 1AMP Bare Leads

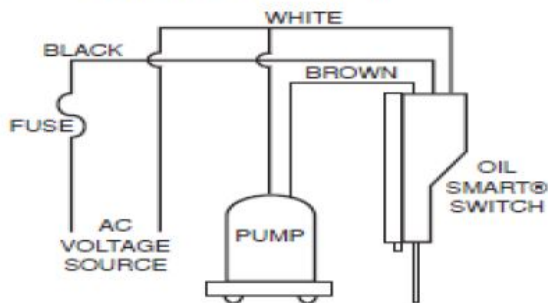
Custom Options:

- C= Custom cord length
 (available in OSS20R6, OSS20R6E and OSS20R6DC)
 example: OSS20R6C50 = 50' cord length

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
- Control Circuit: Solid State

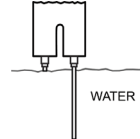
Hardwiring: WIRING DIAGRAM



OPERATION OF OILSMART

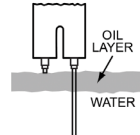
Normal Condition (Water Only)

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.



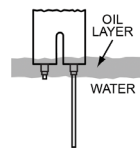
Oil Present Condition

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

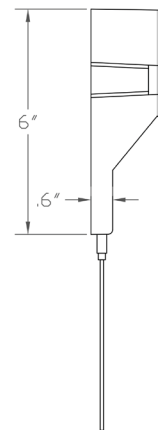
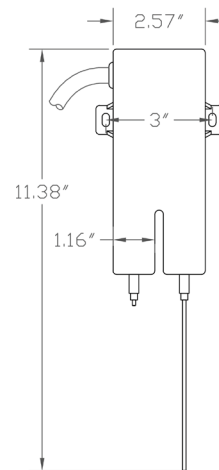
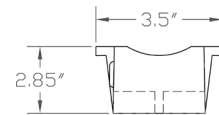


Water (Oil Present Condition)

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.



DIMENSIONS



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