

Oil Smart® Pump Switch: 120VAC

The Oil Smart® 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.

| Model | FLA Range |
|---------------------------|----------------|
| OSS20R6 - MAHR.5 | (0.0-9.8 FLA) |
| OSS20PBPR6 - MAPR1 | (0.0-16.0 FLA) |
| OSS20R6E (230V 50/60 Hz.) | (0.0-8.0 FLA) |

Oil Smart Mounting: NEMA 6P; IP67

Mounting - Mount Oil Smart® Pump Control Sensor with provided mounting hardware to the pump's PVC discharge pipe. The 'OFF' sensor of the Oil Smart® Switch shall be positioned at least 3" above the impeller of the pump.

Testing:

Oil Smart® Pump Switch Testing:

- Place your thumb on the short stainless steel sensor of the Oil Smart® Pump Switch, and the pump will turn on. While touching the short 'ON' sensor, touch the long 'OFF' sensor with your fingers; remove your thumb from the short 'ON' sensor and begin to move your fingers down the 'OFF' sensor simulating water being pumped down. Once fingers are removed from 'OFF' sensor, the pump will turn off.
- Optional: Fill the sump area with ground water, when water reaches the 'ON' sensor, the pump will turn on and remain on until water clears the 'OFF' sensor.

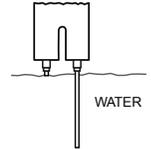


Sequence of Operation:

Operation of Oil Smart®

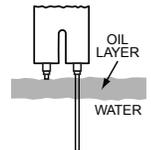
Normal Condition (Water Only)

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.



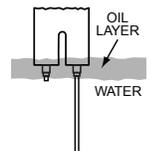
Oil Present Condition

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



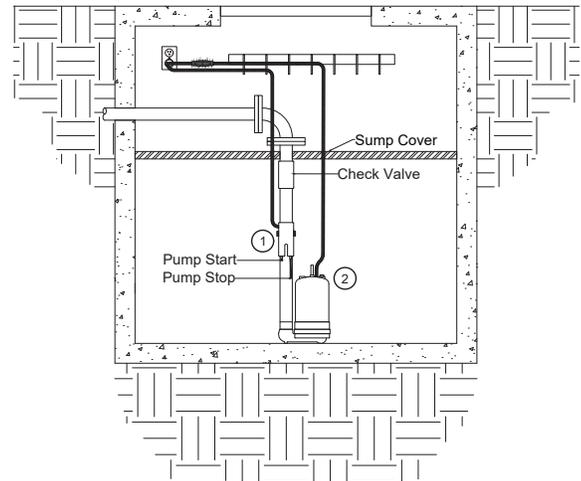
Water (Oil Present Condition)

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.



Typical Installation of Oil Smart® Pump Switch

- ① Oil Smart® Pump Switch
- ② Submersible Pump #1



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