SEE WATER, INC.

Oil Smart® Pump Switch

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:

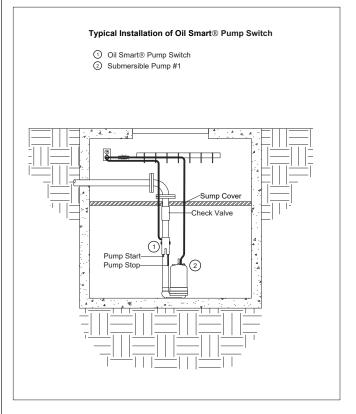
Oil Smart® Pump Switch Testing:

- 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 Water (Oil Present Condition) If the water level rises enough to contact the (on) sensor under the WATER oil layer, the pump will turn on and remain on until the (off) sensor clears





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Notes:	

Troubleshooting:

Caution: before checking electrical connections within the control or attempting to replace any components, turn off all branch circuits supplying power to the main control panel.

Pump control does not activate the pump or pump does not run

- Verify polarity is correct.
- Confirm all connections are tight and secure.
- White plastic case must be kept clean. Clean with house hold rubbing alcohol and rag.
- Keep control 1" 2" clear of any metallic material. Mount to PVC pipe or if mounted to metal pipe, make sure to mount with See Water quick mount PVC bracket.

Preventive Maintenance

• The Oil Smart® Pump Switch must be kept clean. If the switch is submerged during install or maintenance, clean the white plastic case with rubbing alcohol. Consistent inspection and preventive maintenance ensures longevity and proper operation of components.

Warranty:

See Water® Inc. warrants that products of its manufacture are free from defects in material and workmanship for a period of 5 years from the date of purchase. This date shall be determined by the date on the invoice and the serial number on the product.

Replacement of the product is at the discretion of See Water Inc. This warranty is valid when the product is installed in compliance with the manufacturer's installation instructions. The manufacturer's obligation under this warranty shall be limited to the repair or replacement of any parts found by the manufacturer to be defective, provided that the product is returned to See Water's factory, postage prepaid with proof of original purchase included.

The manufacturer of this warranty shall not be liable under this warranty if the product has not been properly installed; any alterations/additions/changes to the product will result in a void warranty. Failure to properly install and test this product can result in personal injury or equipment malfunction. See Water, Inc. shall not be liable for any loss, damage or expenses from installation or use of its products.



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