



Oil Smart® Pump Switch

Oil Smart® Pump Switch

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® Pump Switch has been the reliable choice for safely pumping water without the risk of pumping oil into the environment.

Model	UL Listing	Voltage	FLA
OSS20R6	MAHR.5	120 VAC	9.8 A
OSS20PBPR6	MAPR1	120 VAC	16.0 A
OSS20R6E	MEHR1	230 VAC	8.0 A
OSS20R6DC	119606	12/24 VDC	1 A

Oil Smart Mounting: NEMA 6P; IP67

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

Wiring Connections:

The Oil Smart® Pump Switch (Model #OSS20PBPR6) contains a piggyback plug for quick connection of a pump. Plug the Oil Smart® Pump Switch into a power outlet. Next, plug the pump's power cable into the piggyback plug.

For hardwired models, reference the following connection details.

Oil Smart® Pump Switch Models: #OSS20R6, #OSS20R6E	Power Supply & Pump Connections
BLK	LINE Power Supply
BRN	LINE Pump
WHT	NEUTRAL Power Supply & Pump

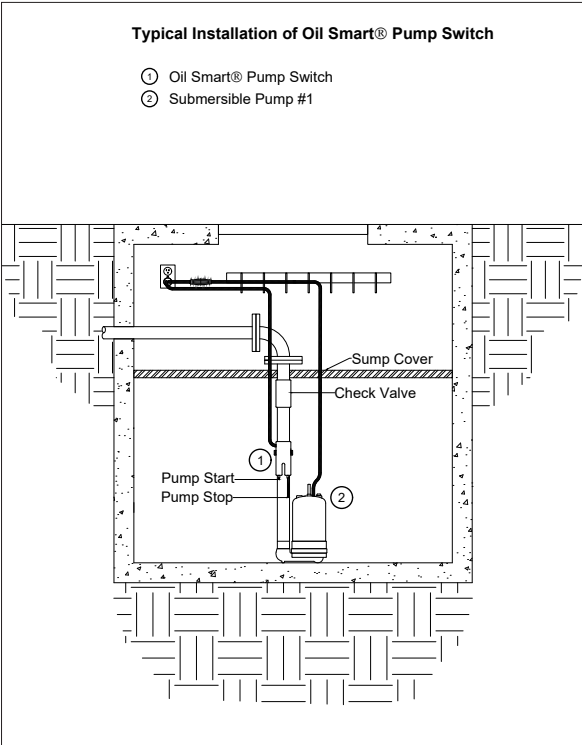
The Oil Smart® Pump Switch (Model #OSS20R6DC) typically serves as a control input into a control panel, rather than directly activating a pump.

Oil Smart® Pump Switch Model: OSS20R6DC	Power Supply & Controller Connections
RED	POSITIVE Power Supply
GRN	POSITIVE Control Input
WHT	NEGATIVE Power Supply

Testing:

Oil Smart® Pump Switch:

- 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.*





Oil Smart® Pump Switch

Sequence of Operation:

Operation of Oil Smart® Pump Switch

Normal Condition (Water Only)

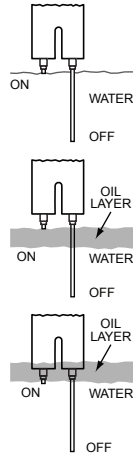
When water comes in contact with the short "On" sensor, the pump will turn on. The pump will remain on until water clears the long "Off" sensor.

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 water clears the "Off" sensor.



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 household rubbing alcohol and rag.
- Keep the Oil Smart® Pump Switch 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.



www.seewaterinc.com
951.487.8073 • 888.733.9283 • info@seewaterinc.com
2220 Opportunity Way, Suite 101 • Riverside, CA 92518