

BN	IM501
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Oil Smart® Pump Switch Installation and Operator's Manual

Oil Smart® Pump Switch:

The Oil Smart® Pump Switch is a stand-alone pump controller requiring no expensive pump control panels. It will operate any pump up to 1HP. All models include built-in ON and OFF differential of 2.5" or 6". It is an industrial grade switch that differentiates between oil and water used to control pumps in elevators, transformer oil containment areas, underground vaults, marine, and other applications. The Oil Smart Switch can be an integral part of the pump assembly or a stand alone component wired to the pump or a control valve. Since 1995, the Original and Patented Oil Smart Switch has been the reliable choice for safely pumping water. Installation of the unit allows you to comply with State and Federal regulations while reducing the risk of adverse publicity, fines and expensive cleanup costs.

Models

OSS20R

MAHR1 120V 50/60 Hz. 16 Amps (1HP No Plug)
 Model #OSS20R 2.5" Pumping Differential
 Model #OSS20R6 6" Pumping Differential

OSS20PBPR

MAPR1 120V 50/60Hz. 16 Amps (1HP Piggyback Plug)
 Model #OSS20PBPR 2.5" Pumping Differential
 Model #OSS20PBPR6 6" Pumping Differential

Features:

- No Moving Parts. Patented Electronic Control.
- Solid-state sensing device that differentiates between oil and water. Incorporates two level sense points, pump ON, pump OFF.
- Includes 20' of 12AWG SJTOW Wire.
- Completely Encapsulated and Water Tight; Type 3R Outdoor UV Resistant Enclosure
- Dimensions: 2.5" Wide x 6" High x 1.75" Deep Plus Length of Sensors: 2.5", 6", 12" Differential
- UL 508, Magnetic Motor Controller
- UL Certified File E183129, CE Certified
- Includes Complete Mounting Brackets..

www.seewaterinc.com
 or www.oilsmart.org

951.487.8073 • 888.733.9283

Email: info@seewaterinc.com

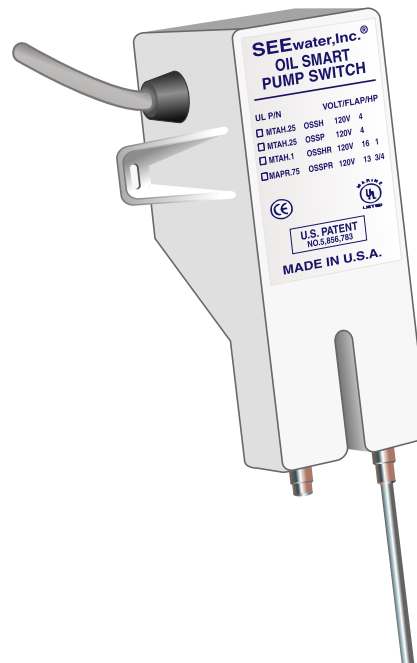
121 North Dillon Street • San Jacinto, CA 92583
 P.O. Box 1269 • San Jacinto, CA 92581

Fail-Safe Technology since 1995.



WARNING

1. All installations must be in accordance with the National Electrical Code, and any other applicable state and local electrical requirements.

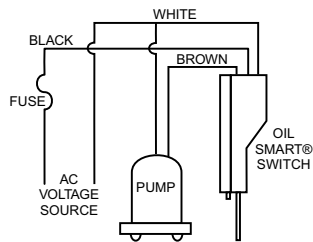


Oil Smart Switch Installation:

- Caution: Remove any float switch that is currently in use or supplied by pump manufacturer. If pump has manual/auto set, switch to manual.
 - I. Fusing: Follow the pump manufacturer's instructions. Do not exceed the Oil Smart® Switch amp rating. Maximum branch circuit-15 amps.
 - II. Ensure correct polarity; the switch will not function with incorrect polarity.
 - III. Mount switch using mounting bracket provided. Do not attach to metal discharge pipe. If required, wrap insulated tape in between switch and pipe. Mount switch at least 3" above pump impellor to prevent from pumping oil.

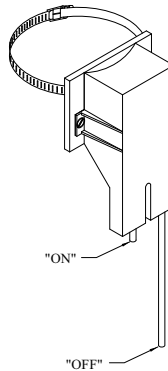
Oil Smart® Pump Switch

Hardwiring: WIRING DIAGRAM



Testing:

- Place your thumb on the short sensor of Oil Smart® Pump Switch and the pump will turn on. While touching the short sensor, touch the long sensor "off" with your fingers. Remove your thumb from on sensor and begin to move your fingers down the off sensor. Remove your fingers from off sensor and the pump will turn off. -or- Fill up sump area with water, when water reaches the on sensor, the pump will turn on and remain on until water clears the off sensor.



Maintenance:

The Oil Smart® Pump Switch is designed for harsh environments and tested to withstand the normal environment of a pump switch.

For 24 hour troubleshooting, call 888-733-9283.

Warranty:

See Water, Inc. warrants that the See Water Oil Smart Pump Switch will be free from defect in material and workmanship for a period beginning as of the date of purchase for three (3) years. Replacement of the switch is only at the sole discretion of See Water, Inc. This warranty is valid only when the product is installed in strict compliance with the manufacturer's installation instructions. See Water, Inc. will in no way be responsible for the reliability of any pump that is connected to or operates with See Water, Inc. products. See Water, Inc. will replace the switch when it is returned to See Water's factory, postage prepaid with proof of original purchase included.

Operation:

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. If oil comes in contact with the on sensor, the pump will not turn on; however the pump switch will activate and pump water from under the oil. Oil does not harm the system in anyway. The sensors can oscillate through oil and see water.

