Your Peace of Mind is Our Top Priority®

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

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DESIGNED • MACHINED • ASSEMBLED IN THE USA

OIL SMART® PUMP SWITCH
SPECIFICATIONS SHEET

Application
The Oil Smart® Switch is factory calibrated and set up for immediate installation and operation. The dielectric design is extremely sensitive to variations in dielectric constant of air, water, oil and/or hydrocarbons (see Dielectric Data Chart).

Material
- The Oil Smart® Switch is constructed of high impact injection molded plastic.
- Enclosure (Ignition Proof).
- 304 SS sensor probes.

Temperature
- The Oil Smart® Switch standard temperature operation range is -33°F (-36°C) to 170°F (77°C).

Operating Pressure
- The Oil Smart® Switch is designed to operate to 30 psig (2 bar) at 70°F (21°C).

Standby Current
- 0.004 Amps.

Signal Output
The Oil Smart® Switch is configured at the Factory.
- 120 VAC - 50/60 Hz (6 Amps).

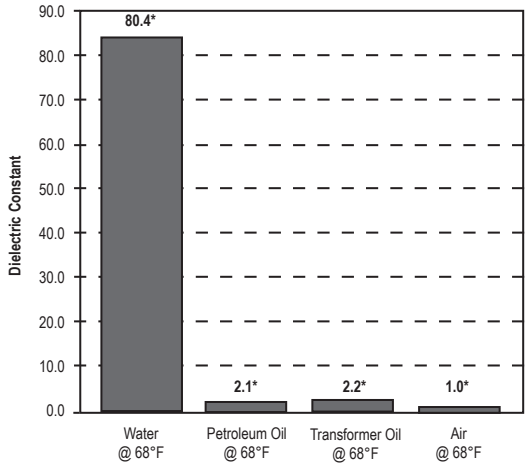
Relay Configuration
- 20 Amp internal relay.

Approval
- UL Marine Listed
- CE Certified

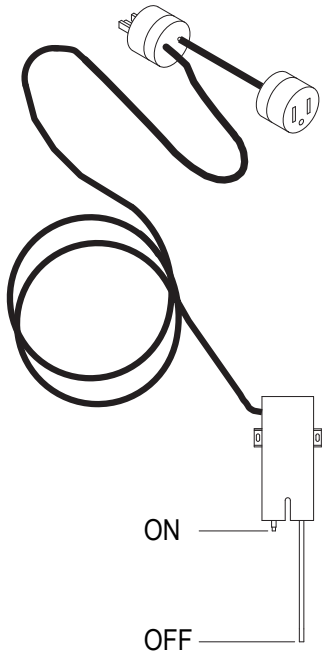
Control Circuit
- Solid State.

Power Input
- 120 VAC - 50/60 Hz.

Dielectric Data Chart



*Note: Estimated values.



SK2404

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Oil GUARD® PUMP SYSTEM

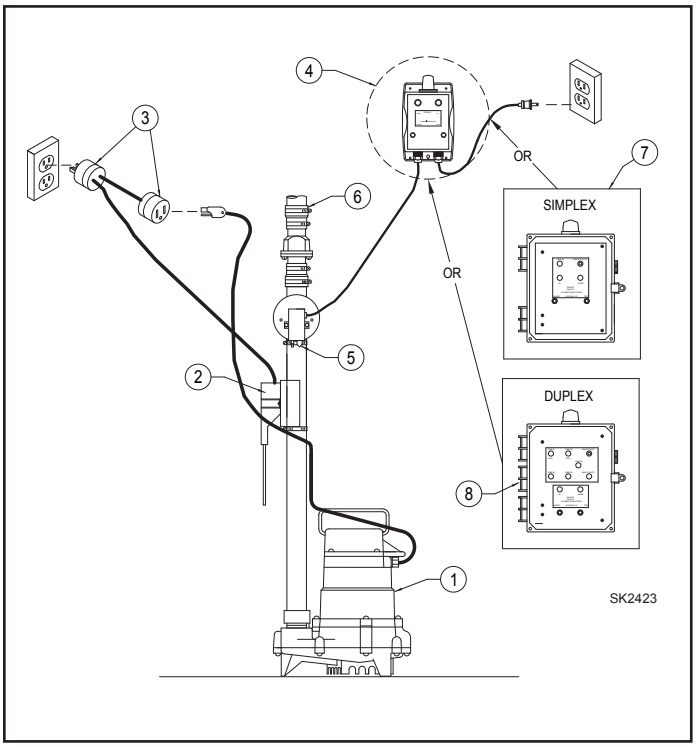
SPECIFICATIONS

1. ***Single Phase Pumps***
   General
   Pump motor shall be hermetically sealed, submersible type operating in a high quality dielectric oil for cooling the windings and for lubrication of the motor bearings and ceramic-carbon shaft seal. Single phase motor shall have internal automatic resetting, thermal overload protection. Construction shall be of cast iron with 100% baked-on powder coated epoxy finish for corrosion resistance and longer casting durability. All fasteners and external metal parts shall be of stainless steel. Impeller shall be of vortex non-clog design. Check applicable series.

   _____ 57 (.3 HP) cast iron series pump shall have a shaded pole motor. Guard and handle shall be stainless steel.

   _____ 152 (.4 HP) _____ 153 (1/2 HP) series pump shall have a permanent split capacitor motor. Motor housing shall be cast iron. The impeller shall be glass reinforced thermoplastic.

   _____ 161 (.5 HP) series pump shall have a 3450 RPM motor. Motor housing, switch case and pump housing shall be cast iron. The impeller shall be bronze.



2. ***The Oil Smart® Pump Switch*** is an industrial grade switch with internal 20 amp relay and 304 SS sensor probes used to control water pumps in elevator, utility, marine and industrial sump applications. Installation will prevent oil and or hydrocarbons from being inadvertently pumped into the environment.
   Options:
   _____ 20 ft. cord with piggyback plug.

3. ***115 Volt Piggyback Power Plug***

4. ***Oil Smart® Alarm*** will alert residents or maintenance personnel of liquid level problems. High Oil and High Water Level Lights and standard Remote Dry Contacts (SCADA Monitoring System).

   _____ Alarm System with High Liquid Audible Alarm (71db @ 2ft.), Red Beacon, Oil Present - Yellow Light and Water Present - White Light. Built with Oil Smart® technology.

5. ***Liquid Smart Sensor™*** incorporates both an electro-optic and Oil Smart® Sensor all in one encapsulated unit. Differentiates and indicates the presence of oil and or water under high water condition.

6. ***Check Valve Recommended*** (purchased separately).

7. ***Optional Oil Smart® Simplex Control Panel -*** Built with Oil Smart® technology. Will control pump and alert residents or maintenance personnel of liquid level problems. High Oil and High Water Level Lights and standard Remote Dry Contacts (SCADA Monitoring System).
   _____ Simplex Panel 10-2149.

8. ***Optional Oil Smart® Duplex Control Panel -*** Built with Oil Smart® technology. Will control pumps and alert residents or maintenance personnel of liquid level problems. High Oil and High Water Level Lights and standard Remote Dry Contacts (SCADA Monitoring System).
   _____ Duplex Panel 10-2150.

Notes: 20 Amp Relay is inside pump switch.
For Float Tree Installation (see FM2364).

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