



## SJE Oil Spotter™ System installation instructions

The SJE Oil Spotter™ control and alarm system is designed to monitor and control in oil/water environments and provides a convenient location for all wiring required for an indoor simplex pump application. The SJE Oil Spotter™ employs a receptacle to accept one 120 VAC pump plug in the 120VAC model or one 230 VAC pump plug in the 230VAC model.

In normal operation the pump will turn on and off with the water level activating the probes (5" pumping range). If water gets high enough to activate the High Water probe, a red indicator will illuminate and activate auxiliary contacts. If the oil level reaches the High Oil float, a red indicator will illuminate and activate the auxiliary contacts.

### SJE OIL SPOTTER™ FEATURES

- NEMA 1 rated for indoor use.
- Factory-installed 10ft power cord.
- SJE Oil Spotter™ Panel with LED indicators for:
  - High Water Indicator (red)
  - High Oil Indicator (red)
  - Pump Run Indicator (green)
  - Power Indicator (green)
- Factory-installed Oil Water Switch includes:
  - High Oil Float
  - High Water Probe
  - Start Probe
  - Stop Probe
  - Reference Probe
- Entire system is UL and cUL Listed to meet and/or exceed industry safety standards.
- Five-year limited warranty.

#### PREVENTATIVE MAINTENANCE

- Inspect the probes, panel, and wiring every two weeks for possible damages that could impair the performance of the product. Replace the product immediately if any damage is found or suspected.
- Use only SJE Rhombus® replacement parts.

### SJE RHOMBUS® FIVE-YEAR LIMITED WARRANTY

Five-Year Limited Warranty. For complete terms and conditions, please visit [www.sjrhombus.com](http://www.sjrhombus.com).

#### NOTICE!

Products returned must be cleaned, sanitized, or decontaminated as necessary prior to shipment to ensure that employees will not be exposed to health hazards in handling said material. All applicable laws and regulations shall apply.

**⚠ WARNING****ELECTRICAL SHOCK HAZARD**

Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.

**⚠ WARNING****EXPLOSION OR FIRE HAZARD**

Do not use this product with flammable liquids. Do not install in hazardous locations as defined by National Electrical Code, ANSI/NFPA 70.

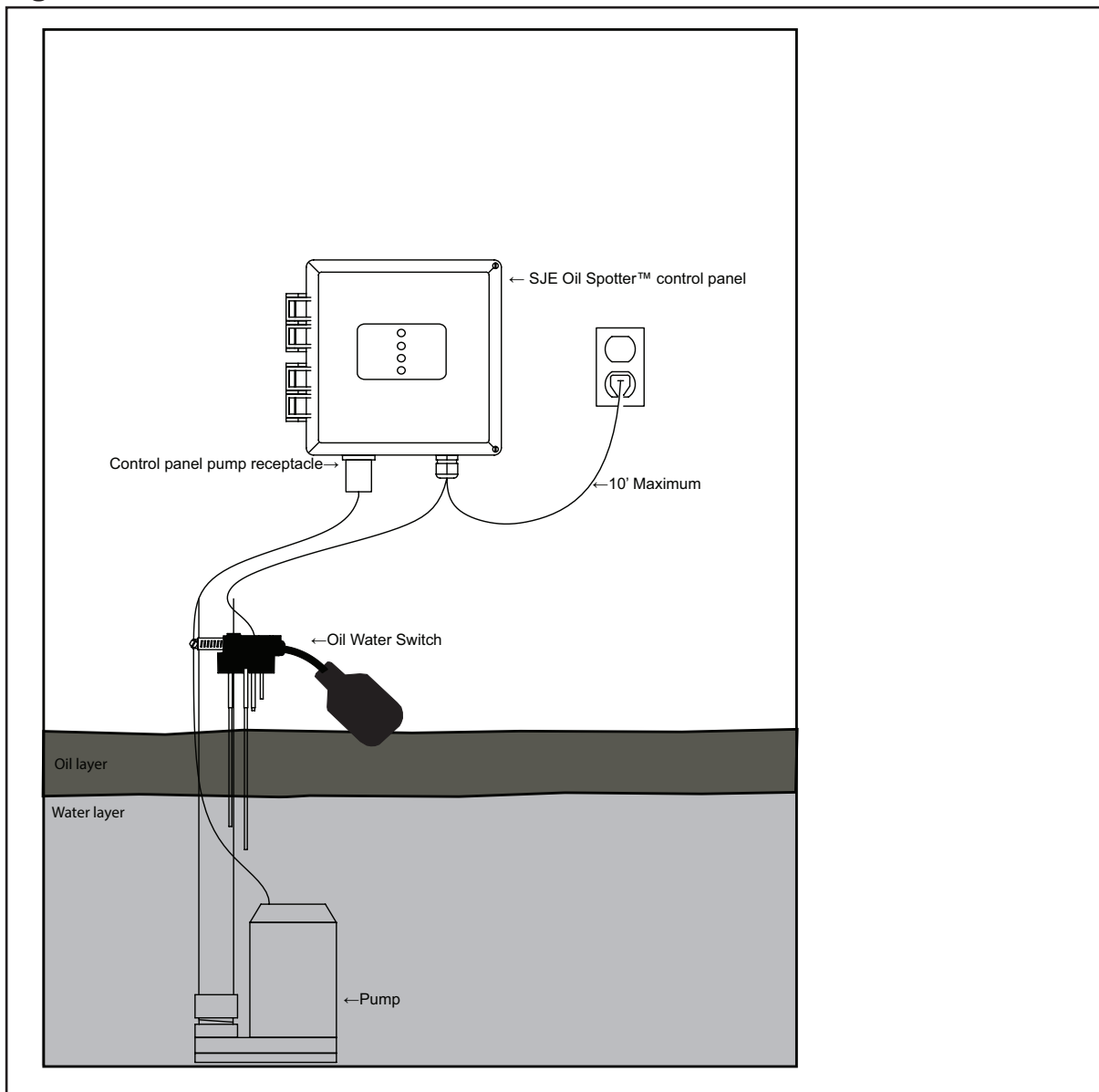
Failure to follow these precautions could result in serious injury or death. Replace product immediately if switch cable becomes damaged or severed. Keep these instructions with warranty after installation. This product must be installed in accordance with National Electric Code, ANSI/NFPA 70 so as to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable.

*For detailed specifications on this product, or for the complete line of SJE Rhombus<sup>®</sup> panel, alarm, and switch products, visit our web site at [www.sjerhombus.com](http://www.sjerhombus.com).*

## INSTALLING THE SJE OIL SPOTTER™ SYSTEM CONTROL PANEL

1. Determine desired location to mount the SJE Oil Spotter™ control panel (**Figure A**).
2. Attach the mounting flanges to the control panel enclosure. Mount panel at the desired location making sure the mounting location of the control panel is within 10 feet of electrical receptacle and the Oil Water Switch mounting location.
3. Plug power cord into electrical receptacle only when ready for testing. Verify the green "power" light illuminates.
4. Make sure to test SJE Oil Spotter™ System (see page 4).

**Figure A**



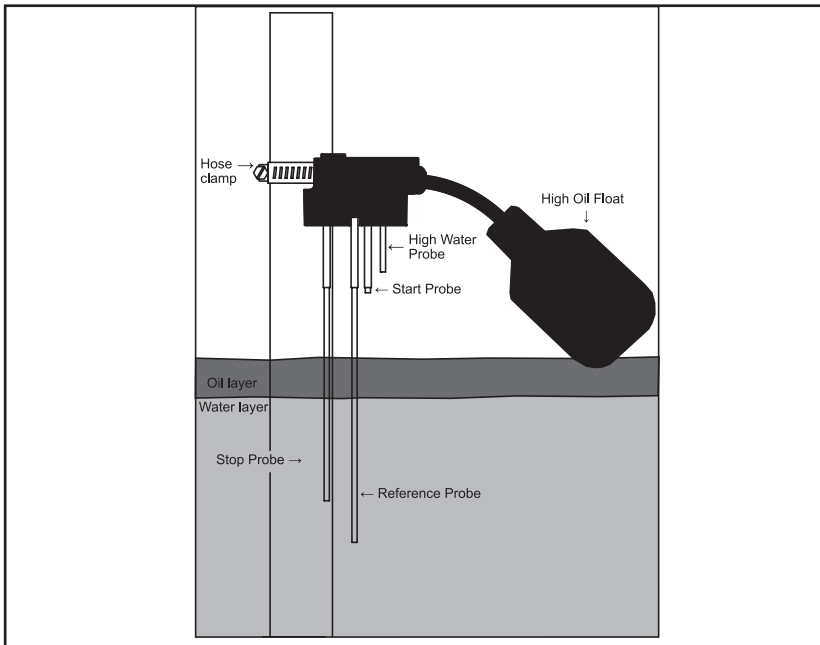
# INSTALLING THE OIL WATER SWITCH

**Caution:** The Oil Water Switch cable needs to run in separate conduit from the pump and power lines.

1. Determine the proper position for the oil water switch (**Figure B**).
2. Position the Oil Water Switch at the appropriate location on the pipe and secure the switch as shown (**Figure B**).
3. Tighten all hose clamps using a screw driver. Over-tightening may result in damage to the plastic parts.  
**Note:** All hose clamp components are made of 18-8 stainless steel material. See your SJE Rhombus® supplier for replacement parts.

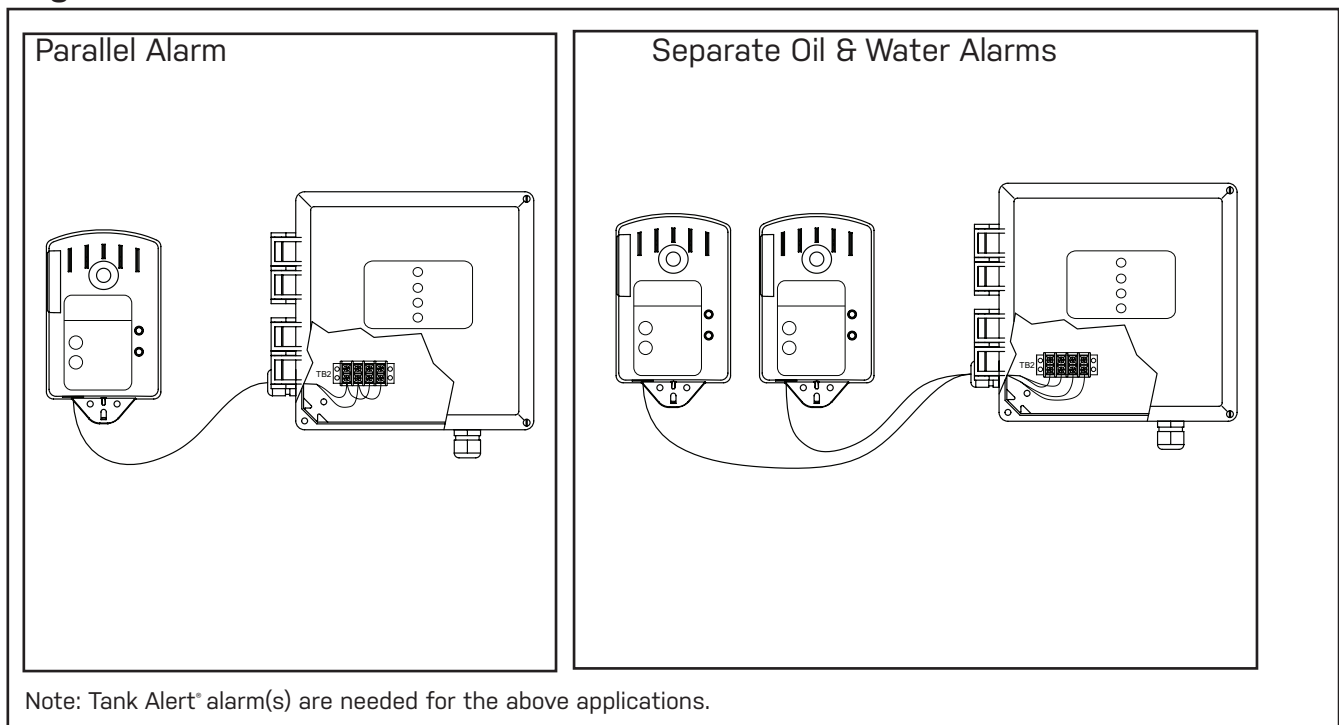
**Caution:** Do not splice the Oil Water Switch cable. Doing so could cause the system to fail.

**Figure B**



If using auxiliary contacts, connect wire to terminal block as shown in **Figure C**.

**Figure C**



Note: Tank Alert® alarm(s) are needed for the above applications.

# TESTING THE SJE OIL SPOTTER™ SYSTEM

Remove oil from pit prior to testing.

DISPOSE OF OIL IN ACCORDANCE WITH STATE AND LOCAL CODES

1. Verify the green "power on" indicator on panel is illuminated.
2. Unplug pump power from receptacle on panel, then fill sump pit with water until Red "High Oil" indicator on panel illuminates. If using auxiliary contacts, they will be in alarm condition.
3. Plug pump power into panel. Pump will run until water drops below "Stop" probe. If using auxiliary contacts, they will be in alarm condition.

Note: Test SJE Oil Spotter™ System every two weeks.

## NOTES:



Technical support: +1-800-746-6287  
techsupport@sjeinc.com  
www.sjrhombus.com

Technical Support Hours: Monday-Friday, 7 A.M. To 6 P.M. Central Time

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