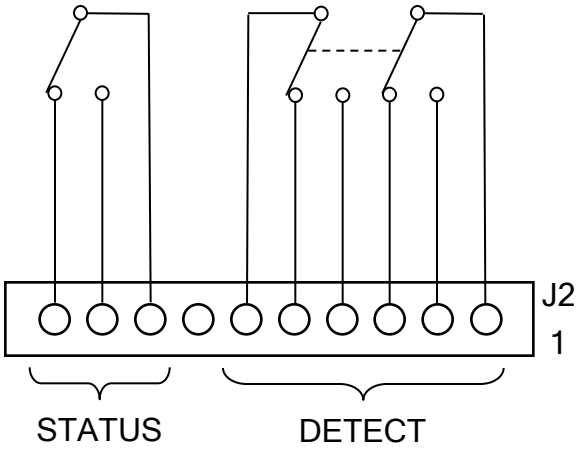
# EQUIPMENT STATUS &
# OIL DETECTION RELAYS

The Slick Sleuth Oil Detection & Alarm Systems include dry contact relay interface as a standard feature. The Equipment Status and Oil Detection Relays are supplemental to the optional Current Loop (0-20 mA) Output Interface and/or Serial Data Interface – all of which function concurrently as required.

The relay interface provides two relay outputs, one for the equipment status and the other to indicate the detection of oil. The Relay Interface Board is mounted within the Slick Sleuth at the same location as the Current Loop Interface Assembly, and the external cable is routed through the cable gland designated for I/O. The outputs may be be used in both hardwire and wireless configurations.

The configuration of the Equipment Status Relay (SPDT) and the Oil Detect Relay (DPDT) terminal connections on J2 of the Relay Board are shown below.

**Wiring Connections**




**Equipment Status Relay**

Function:
The relay is energized when the Slick Sleuth ADS is functioning properly.

Electrical:

| | |
|---|---|
| Configuration: | SPDT |
| Rating: | 15 amps @ 240 VAC, resistive |
| | 10 amps @ 28 VDC, resistive |
| | ½ HP @ 240 VAC |
| | ¼ HP @ 120 VAC |

| | Terminal | Description |
|---|---|---|
| Termination: | J2-8 | Pole |
| | J2-9 | NC |
| | J2-10 | NO |

**Oil Detect Relay**

Function:
The relay is energized when oil is detected as 'present'. The determination is based upon background and threshold levels established by the user during routine setup of the Slick Sleuth ADS. The ADS maintains the relay in its state for the last condition reported until a new condition is detected.

Electrical:

| | |
|---|---|
| Configuration: | DPDT |
| Rating: | 10 amps @ 120 VAC, resistive |
| | 10 amps @ 30 VDC, resistive |
| | 10 amps @ 277 VAC, resistive |
| | 1/2 HP @ 250 VAC |
| | 1/3 HP @ 120 VAC |

| | Terminal | Description |
|---|---|---|
| Termination: | J2-1 | Pole 1 |
| | J2-2 | Pole 1 NO |
| | J2-3 | Pole 1 NC |
| | J2-4 | Pole 2 NO |
| | J2-5 | Pole 2 NC |
| | J2-6 | Pole |

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