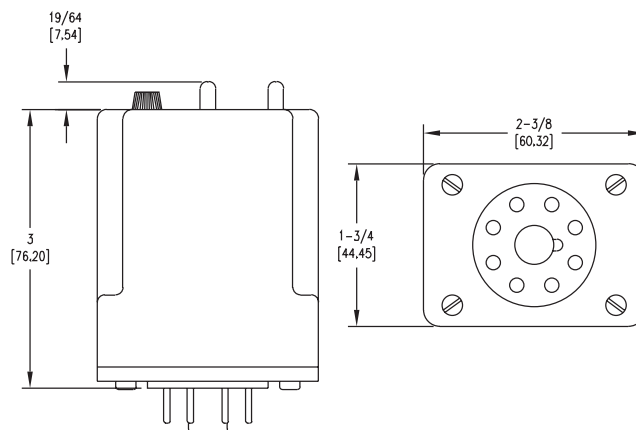




Series DLD Dual Channel Leak Detection Relay

Specifications - Installation and Operating Instructions



The **Series DLD** is a specialized control for monitoring the shaft seal of two submersible pump motors. A leak is detected by sensing the status of a resistive float switch installed in the seal cavity. When the resistance drops below the sensitivity rating the output relay energizes and the corresponding LED illuminates. When the fault condition clears, the output relay resets automatically.

Important: Read the following carefully and completely before installing or connecting DLD units.

Note: DO NOT exceed specified electrical rating. Doing so may result in damage to control unit and load device.

INSTALLATION

1. Lock out all electrical current to relevant control panel during installation.
2. Fasten a standard 8-pin octal socket in the control panel.
3. Make the appropriate connections as shown in the wiring diagram (Figure A) to the corresponding numbered contacts on socket.
4. Fit the Series DLD controller in the 8-pin octal socket.
5. **ADJUSTABLE SENSITIVITY MODELS ONLY:** Set the potentiometer on face of unit to desired resistance.
6. Resume power to control panel and monitor system for proper functionality.

SPECIFICATIONS

Power Requirement: 120 VAC, 50/60 Hz.

Power Consumption: 2 VA (approximate).

Isolation Voltage: 2500 V.

Temperature Limits:

Operating: -4 to 131°F (-20 to 55°C);

Storage: -40 to 185°F (-40 to 85°C).

Switch Type: (2) N.O. SPST.

Switch Voltage: 9 VDC.

Electrical Rating: 5 A @ 120 VAC resistive, 345 VA inductive.

Response Times:

Energize: 6 ms (approximate);

Release: 2.5 ms (approximate).

Indicators: Respective red LED illuminates when leak is detected.

Enclosure: Polycarbonate dust cover.

Mounting: 8-pin octal.

Weight: 8 oz (227 g).

Agency Approvals: UL 508.

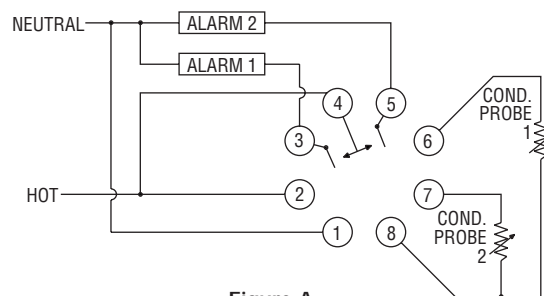


Figure A

MAINTENANCE

Upon final installation of the Series DLD Dual Channel Leak Detection Relay, no routine maintenance is required. A periodic check of the system calibration is recommended. The Series DLD is not field serviceable and should be returned if repair is needed (field repair should not be attempted and may void warranty). Be sure to include a brief description of the problem plus any relevant application notes. Contact customer service to receive a return goods authorization number before shipping.