201-100-SLD

Single-Channel Seal-Leak Detector

UL listed when used in combination with OT08PC socket only.

Description

The model 201-100-SLD is an 8-pin plug-in style seal-leak detector to sense seal failures on submersible pumps. A microcontroller-based relay that monitors the shaft seal of a submersible pump motor. A resistive probe is installed in the seal cavity. If water leaks into the pump, the resistance measured by the probe decreases. When the resistance drops below the sensitivity setpoint, the unit will trip and the relay contacts will change state. The unit will automatically reset when a fault is cleared.

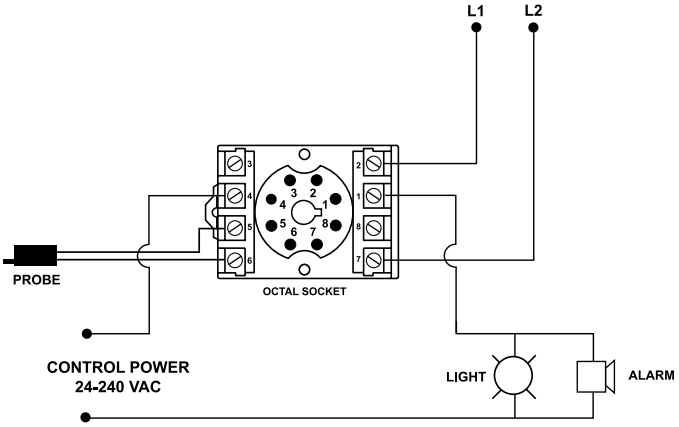
Features & Benefits

- LED status indicator
- Compact plug-in design
- DIN rail or surface mountable via octal base

Accessories

OT08PC 8-pin Octal Socket
Octal Socket for plug-in units. 8-pin surface & DIN rail mountable. Rated for 10A @ 600VAC.

Wiring Diagram



For dimensional drawing see: Appendix, page 509, Figure 8.

Note: Manufacturer's recommended screw terminal torque for the RB Series and OT Series Octal Sockets is 12 in.-lbs.

Specifications

Control Voltage	110/120VAC nominal
Frequency	50/60Hz
Sensitivity	4.7k-100kΩ
Probe Sense Voltage	5vdc pulsed
Output contact Rating	SPDT
Pilot Duty	480VA @ 240VAC
General Purpose	10A @ 240VAC
Operating Temperature	-40° to 70°C (-40° to 158°F)
Storage	-40° to 80°C (-40° to 176°F)
Maximum Input Power	5 W
Relative Humidity	10-95%, non-condensing per IEC 68-2-3
Electrostatic Discharge (ESD)	IEC 61000-4-2, Level 3, 6kV contact, 8kV air
Radio Frequency Immunity, Radiated	150MHz, 10V/m
Fast Transient Burst	IEC 61000-4-4, Level 3, 3.5kV input power and controls
IEC	IEC 61000-4-5, Level 3, 4kV line-to-line; level 4, 4kV line-to-ground
ANSI/IEEE	C62.41 Surge and Ring Wave Compliance to a level of 6kV line-to-line
Hi-Potential Test	Meets UL508 (2 x rated V + 1000V for 1 min.)
UL*	UL508 (File #E68520)
CE	IEC 60947-6-2
Enclosure	Polycarbonate
Dimensions	**H** 44.45 mm (1.75"); **W** 60.325 mm (2.375"); **D** (with socket) 104.78 mm (4.125")
Weight	0.7 lb. (11.2 oz., 317.51 g)
Mounting Method	DIN rail or surface mount (plug into OT08PC socket)
Socket Available	Model OT08PC (UL Rating 600V)
Approvals	UL, CE

*Must use Model OT08PC socket for UL Rating!
The 600V socket can be surface mounted or installed on DIN Rail.

SOCKETS

SOCKETS		
Product	Features	Accessory For
OT08PC Octal Socket 8-Pin 	8-pin 35mm DIN rail or surface mount octal socket. Rated at 10A @ 600VAC and has pressure clamp terminals.	**AWG 12 to 22 (3.2 to 0.33 mm²) wire sizes. Consult individual datasheet for compatibility**
NDS-8 Octal Socket 8-Pin Screw terminals with captive wire clamps 	8-pin 35mm DIN rail or surface mount octal socket. Rated at 10A @ 300VAC. Surface mounted with two #6 (M 3.5 x 0.6) screws or snaps onto a 35 mm DIN rail. A spring mechanism allows easy removal. Uses PSC8 hold-down clips.	**Up to two #14 AWG (2.45 mm²) wire size** **Series:** **ARP FS500 LLC4 LLC5** **PRLM TDB TDBH TDBL** **TDI TDIH TDIL TDM** **TDMB TDMH TDML TDR** **TDS TDSH TDSL TRDU** **TRM TRS TRU**
P1011-6 Octal Socket 8-Pin 	8-pin surface mount socket with binder head screw terminals. Rated at 10A @ 600VAC. UL Listed combination when used with TDM, TDB, TDS Series timers. Uses PSCRB8 hold-down brackets.	**Series:** **ARP FS500 LLC4 LLC5** **PRLM TDB TDM TDMB** **TDR TDS TRB TRDU** **TRM TRS TRU**
OT11PC Magnal Socket 11-Pin 	Magnal Sockets are for plug-in units	**11-pin Plug-in units** **Series:** **ARP LLC6 TDB TDBH** **TDBL TDMB TDS TDSH** **TDSL TRB TRDU TRM** **TRS TRU**
SD12-PC Rectangle Socket 12-pin 	12-pin surface Rectangle Socket.	**ACBC-120**
NDS-11 11-pin Magnal Socket Screw terminals with captive wire clamps 	11 pin 35 mm DIN rail or surface mount socket. Rated at 10A @ 300VAC. Surface mounted with two #6 (M 3.5 x 0.6) screws or snaps onto a 35 mm DIN rail. A spring mechanism allows easy removal. Uses PSC11 hold-down clips.	**AWG 12 to 22 (3.2 to 0.33 mm²) wire sizes** **Series:** **ARP LLC6 TDB TDBH** **TDBL TDMB TDS TDSH** **TDSL TRB TRDU TRM** **TRS TRU**

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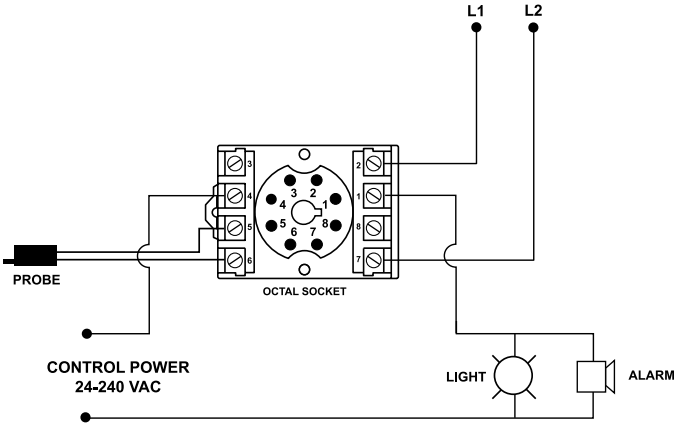

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IEC	IEC 61000-4-5, Level 3, 4kV line-to-line; level 4, 4kV line-to-ground
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P1011-6 Octal Socket 8-Pin 	8-pin surface mount socket with binder head screw terminals. Rated at 10A @ 600VAC. UL Listed combination when used with TDM, TDB, TDS Series timers. Uses PSCRB8 hold-down brackets.	**Series:** **ARP FS500 LLC4 LLC5** **PRLM TDB TDM TDMB** **TDR TDS TRB TRDU** **TRM TRS TRU**
OT11PC Magnal Socket 11-Pin 	Magnal Sockets are for plug-in units	**11-pin Plug-in units** **Series:** **ARP LLC6 TDB TDBH** **TDBL TDMB TDS TDSH** **TDSL TRB TRDU TRM** **TRS TRU**
SD12-PC Rectangle Socket 12-pin 	12-pin surface Rectangle Socket.	**ACBC-120**
NDS-11 11-pin Magnal Socket Screw terminals with captive wire clamps 	11 pin 35 mm DIN rail or surface mount socket. Rated at 10A @ 300VAC. Surface mounted with two #6 (M 3.5 x 0.6) screws or snaps onto a 35 mm DIN rail. A spring mechanism allows easy removal. Uses PSC11 hold-down clips.	**AWG 12 to 22 (3.2 to 0.33 mm²) wire sizes** **Series:** **ARP LLC6 TDB TDBH** **TDBL TDMB TDS TDSH** **TDSL TRB TRDU TRM** **TRS TRU**

