

Demersible Non-Clog Pumps

Specifications:

INPUT POWER 120 VAC ± 10%, 7.0 VA max
OUTPUT RATING 8A @ 120 VAC
OPERATING TEMP -20°C to +65°C
STORAGE TEMP -45°C to +85°C
TEMP SENSOR VOLT 6.6 VDC ±10%
LEAK SENSOR VOLT 4.7 VAC ±10%
ENCLOSURE White Lexan, NEMA 1
BASE..... Phenolic

Operation:

The pump monitor relay provides Motor Over Temperature Alarm and Seal Leakage Alarm for submersible pumps.

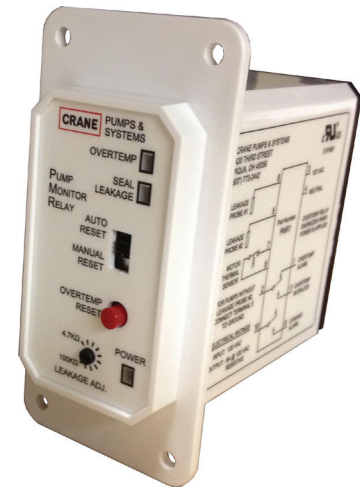
Motor Over Temperature Alarm - The unit applies a low voltage DC signal to the motor thermal sensor to check its status. If the unit detects that the motor thermal sensor contacts are closed (normal condition), the over temp indication remains off, and the over temp relay is energized closing the contacts between terminals 2 and 11.

If the motor thermal sensor contacts open (over temperature condition), the over temp indication is turned on and the over temp alarm relay is de-energized opening the contacts between terminals 2 and 11 and closing the contacts between terminals 2 and 1.

When the high motor temperature condition has cleared, the unit will reset, based upon the position of alarm reset mode select switch (auto or manual). When in the auto position, the over temp alarm resets automatically. If the switch is in the manual position, the over temp reset push-button must be pushed for approximately 1.5 seconds to clear the alarm.

Seal Leakage Alarm - The unit applies a low voltage AC signal to the leakage probe to detect moisture in the seal cavity. A seal leakage condition is considered present when the amount of moisture in the seal cavity causes the resistance between the leakage probe and the motor housing to drop below the setting on the potentiometer. When this occurs the unit turns on the leakage indication and energizes the leakage alarm relay closing the contacts between terminals 9 and 10.

The alarm trip point may be set by the following procedure: isolate the leakage probe from terminal 6. Connect a resistor, recommended starting at 20KΩ, across terminals 5 and 6. Slowly adjust the potentiometer to the point where the alarm turns on. Remove the resistor and reconnect the leakage probe to terminal 6.



P/N: 134667
Includes Standard Screw Base for Face Mounting

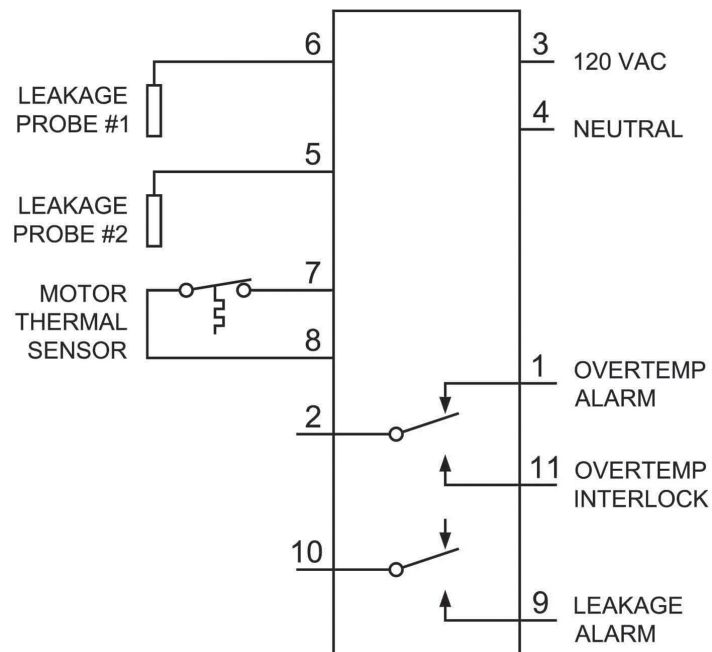
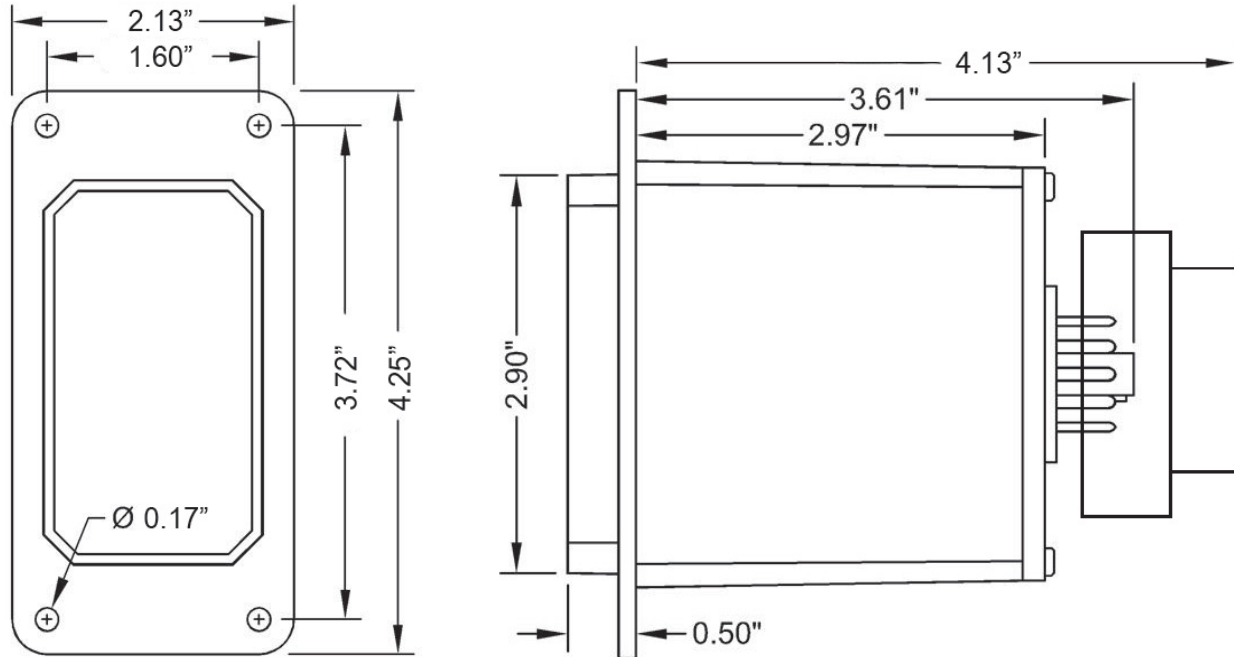


Optional:
P/N 134729
11 Pin, Din Rail Base



UL File No.
E101681

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