Pump Sensor Alarm Panel

Seal and Thermal Monitoring, Simplex/Duplex
Model: PSP230 | Single Phase, 120/240VAC | Type 4X (Indoor/Outdoor)
INCLUDES: ALARM BEACON and AUXILIARY DRY CONTACTS

Alderon™ INDUSTRIES
MARKETING DATA FLIER



STANDARD FEATURES

- **Type 4X Enclosure, Indoor or Outdoor, Pad-lockable**
  - Enclosure Size 8" x 6" x 4" (inches)
  - Opaque Door, Alarm Beacon with Red Flashing LEDs
  - Alarm Buzzer and Alarm Test/Silence Switch
- **Beacon with Vibrant Multi-Color LEDs** ***(select indicators listed)***
  - Green (solid) = Normal
  - Red (flashing) = Sensor Alarm
- **Status LEDs**
  - Sensors are Activated or View Current Configuration
- **Built-in Printed Circuit Board Surge Protection** ***(conformal coated)***
- **Easily Change Configurations**
  - Green Beacon Disable, Normally Open (NO)/Normally Closed (NC) for Seal Sensor Inputs, and 330K Resistor Detection
- **Included Auxiliary "Dry" Contacts**
  - Seal 1 and Seal 2
  - Thermal 1 and Thermal 2
  - Thermal 1 Auxiliary is also Power Loss
- **Thermal Input Selector Switch**
  - 1) = Both Normally Closed (NC)
  - 2) = T1-Normally Closed (NC) and T2-Normally Open (NO)
  - 3) = Both Normally Open (NO)
- **Adjustable Seal Sensitivity Potentiometer**
  - Can be Configured to Activate at Equivalent Resistance Values of 10k-Ohms to 100k-Ohms (50k-Ohms recommended)
- **Test/Configure Button**
  - Activate Test Routine, Clear Alarms, and Enable Settings
- **Exterior Test/Silence Switch**
  - Test Alarm
  - Silence Buzzer during Alarm

DESCRIPTION OF OPERATION

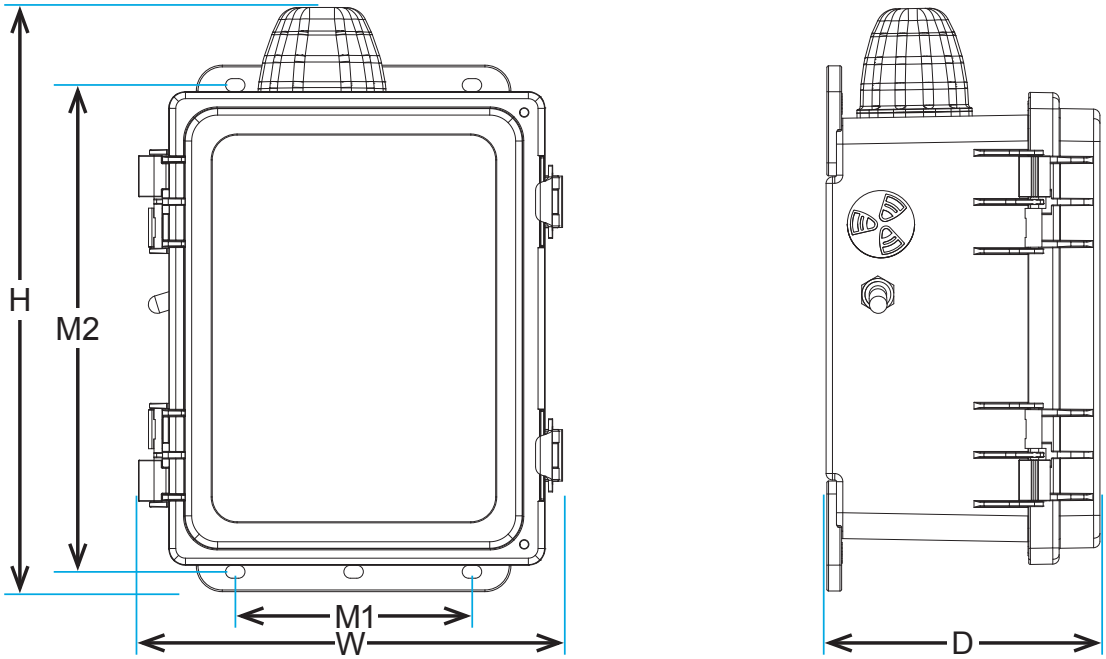
This panel monitors a pump that is equipped with seal and thermal sensors that can monitor up to two pumps. The seal sensors can be conductive probe(s) or normally closed float switch style. Easily enable 330K ohm monitoring resistor on conductive probes that have the 330K ohm resistor installed. Thermal monitoring can be normally closed or normally open allowing the monitoring of a normally open auxiliary contact from the control panel's overload relay. Normally open auxiliary contacts are provided for both seal and thermal sensors. The top mounted beacon will illuminate green when the pump sensors are in a normal state. When any pump sensor is activated, the alarm buzzer will annunciate, red alarm beacon will illuminate (flashing), and auxiliary contacts will activate to indicate an alarm condition. Toggle the test/silence switch upward during an alarm condition, the buzzer will deactivate and the alarm beacon will remain illuminated (solid). When the pump sensor(s) deactivate the alarm system will automatically reset itself.

ORDERING INFORMATION

ALDERON™ PUMP SENSOR PANEL - SINGLE PHASE

Model	Description
PSP230	Pump Sensor Alarm Panel, Seal and Thermal Monitoring, Simplex/Duplex
Order Number	
2011659	

ENCLOSURE SIZE	OVERALL Width (W)	OVERALL Height (H)	OVERALL Depth (D)	MOUNTING Width (M1)	MOUNTING Height (M2)
8 x 6 x 4	8.17	12.15	5.28	4.56	9.38
Enclosure measurements (inches)					



Circuit Board LED Indicators for Sensor Functions:

1. When the sensor(s) are activated, the control panel circuit board LEDs will illuminate for all sensors which are active (S1, S2, T1, and T2).

2. When the sensor(s) are deactivated the control panel circuit board LEDs are not illuminated for all sensors which are not active (S1, S2, T1, and T2).

