



### Specifications

#### Electrical

**Supply Voltage:**  
12VDC & 24VDC  
24VAC, 120VAC & 240VAC  
**Frequency:** 50/60Hz  
**Power Consumption:** 2VA  
**Inputs:** 5VDC @ 2mA

#### 2-Input:

Seal: Adjustable 5KΩ to 200KΩ,  
+5KΩ Hysteresis  
Temp-Stat: 1NC Contact, Good condition

#### 1-Input:

Resistance trip point fixed at 330Ω & 1,500Ω  
Seal Fault: <330Ω  
Temp-Stat Fault: >1,500Ω

#### Contact Ratings:

Seal: 1NO  
Temp-Stat: SPDT  
10A @ 120VAC, 25°C  
5A @ 277VAC  
1/8HP @ 120/277VAC  
5A @ 30VDC

**Adjustments:** (4) Membrane Buttons  
**Display:** 16 Character, 2-line display, with back light

#### Physical

**Mounting:** Panel Mounting: Through the door

#### Termination:

Terminals: Pluggable Terminal Blocks

**Packaging:** Panel Mount

**Weight:** 1 Pound

#### Ambient Temperatures

#### Operating:

Terminal Blocks: -40°C to 60°C  
(Display and membrane buttons may not function below -20°C.)

**Storage:** -40°C to 85°C

### Operation

The STRP monitors the seal and embedded temperature sensor on submersible pump motors. If the resistance in the seal area goes lower than the set point or the temp-stat opens, individual relay outputs will be energized, one for a seal failure and one for a temp-stat failure.

#### 2-Input Operation

To monitor the seal for a leakage, low voltage is applied to the seal sensor. If the resistance sensed falls below the adjustable trip point, the seal fault output relay will be energized. High resistance is considered "good".

To monitor the temp-stat, low voltage is applied to the normally closed contact. If the contact opens, the temperature fault output relay will be energized. A normally closed input is considered "good."

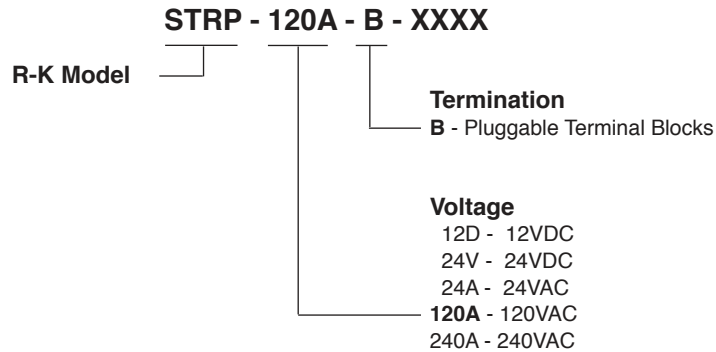
#### 1-Input Operation

An alternate input option is also built into the STRP. With the 1-input option selected, if the resistance is between 330Ω and 1,500Ω, both the seal and temp-stat are considered "good". If the input resistance falls below 330Ω, a seal fault is indicated and the seal fault output relay will be energized. If the input resistance goes above 1,500Ω, a high temperature fault is indicated and the temperature fault output relay will be energized.

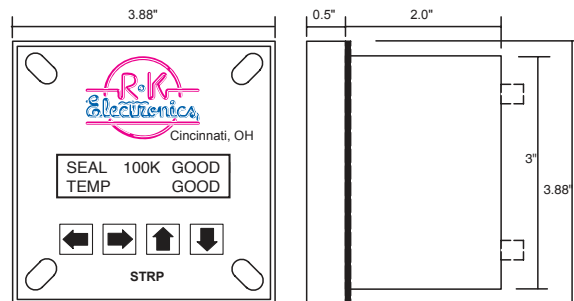
Adjustments are available to:

- Select 1-Input or 2-Input operation
- Select the resistance on the 2-input operation from 5KΩ to 200KΩ
- Select a Manual or Automatic reset after a fault has been corrected.

### Ordering Information



### Dimensions



### Connections

