

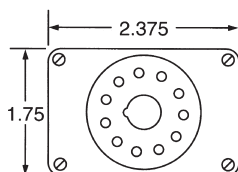
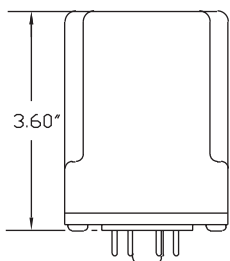
## OPERATION

The ATC Diversified **SPM Series** Single Channel Seal Failure module is a specialized control for monitoring the **shaft seal** of a **submersible pump motor**. A leak is detected by sensing the position of a resistive float switch installed in the seal cavity. When the resistance drops below the sensitivity rating, the output relay energizes and the LED illuminates.

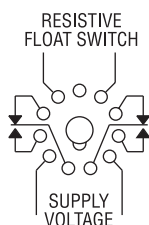


Single Channel Seal Failure Alarm

## DIMENSIONS (INCHES)



## WIRING



RB-11/PF013A

## MODEL NUMBER

<b>MODEL NUMBER</b>	SPM	120	AAA	
<b>SENSITIVITY</b>				
470 Ω ±10% Fixed				470
300 Ω to 10K Ω ±10% Adjustable				10K
4.7K Ω to 100K Ω ±10% Adjustable				100K

## SPECIFICATIONS

<b>CONTROL VOLTAGE</b>	120 VAC, 50/60 Hz
<b>SWITCH VOLTAGE</b>	9 VDC
<b>ISOLATION</b>	2500 Volts
<b>POWER REQUIRED</b>	2 VA
<b>DUTY CYCLE</b>	Continuous
<b>SENSITIVITY</b>	470 Ω ±10% Fixed 300 Ω to 10K Ω ±10% Adjustable 4.7K Ω to 100K Ω ±10% Adjustable
<b>CONTACT RATING</b>	DPDT, 10 A @ 250 VAC Resistive
<b>RESPONSE TIMES</b>	Operate 15 ms (approximately) Release 8 ms (approximately)
<b>LIFE EXPECTANCY</b>	Mechanical 10,000,000 Operations (Minimum) Electrical 50,000 Operations @ Rated Load
<b>INDICATORS</b>	Red LED illuminates when leak is detected
<b>TEMPERATURE RATING</b>	Operate -4° to 131°F (-20° to +55°C) Storage -40° to 185°F (-40° to +85°C)
<b>ENCLOSURE</b>	11-Pin plug-in "A" style enclosure
<b>WEIGHT</b>	8 oz.