

**CE** **UL** **US**  
E55826

## Dual Channel Seal Failure Alarm

### 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>	10K $\Omega$ to 25K $\Omega$ $\pm$ 10% Adjustable 4.7K $\Omega$ to 100K $\Omega$ $\pm$ 10% Adjustable
<b>CONTACT RATING</b>	(2) SPST-N.O., 5 A @ 120 VAC Resistive
<b>LIFE EXPECTANCY</b>	Mechanical 20 Million Operations 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>	8-Pin plug-in "A" style enclosure
<b>WEIGHT</b>	8 oz.

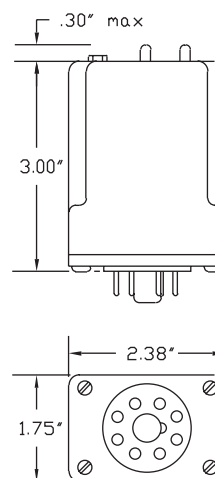
### MODEL NUMBER

<b>MODEL NUMBER</b>	SPM	120	ABA	
<b>SENSITIVITY</b>	10K $\Omega$ to 25K $\Omega$ $\pm$ 10% Adjustable			25K
	4.7K $\Omega$ to 100K $\Omega$ $\pm$ 10% Adjustable			100K

### OPERATION

The ATC Diversified Electronics **SPM Series dual Seal Failure** module is a specialized control for monitoring the shaft seals of *two* **submersible pump motors**. Leaks are detected by sensing the conductivity of the contaminating fluid through probes installed in the seal cavity. When a seal begins to leak, the seal failure module energizes one of its SPST output relays indicating that the seal needs to be replaced before the motor is damaged. The sensitivity of the probe inputs is field adjustable. When the resistance between one of the probe inputs and the common connection drops below the sensitivity setting, the corresponding output relay and LED are activated.

### DIMENSIONS (INCHES)



### WIRING

