



CE [®] **US**
E55826

Dual Channel Seal Failure Alarm

SPECIFICATIONS

CONTROL VOLTAGE	120 VAC, 50/60 Hz
SWITCH VOLTAGE	9 VDC
ISOLATION	2500 Volts
POWER REQUIRED	2 VA
DUTY CYCLE	Continuous
SENSITIVITY	10K Ω to 25K Ω $\pm 10\%$ Adjustable 4.7K Ω to 100K Ω $\pm 10\%$ Adjustable
CONTACT RATING	(2) SPST-N.O., 5 A @ 120 VAC Resistive
LIFE EXPECTANCY	Mechanical 20 Million Operations Electrical 50,000 Operations @ Rated Load
INDICATORS	Red LED illuminates when leak is detected
TEMPERATURE RATING	Operate -4° to 131°F (-20° to +55°C) Storage -40° to 185°F (-40° to +85°C)
ENCLOSURE	8-Pin plug-in "A" style enclosure
WEIGHT	8 oz.

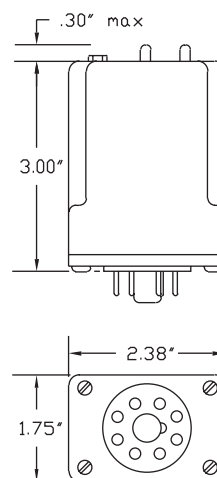
MODEL NUMBER

MODEL NUMBER	SPM	120	ABA	
SENSITIVITY				
10K Ω to 25K Ω $\pm 10\%$ Adjustable				25K
4.7K Ω to 100K Ω $\pm 10\%$ 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

