

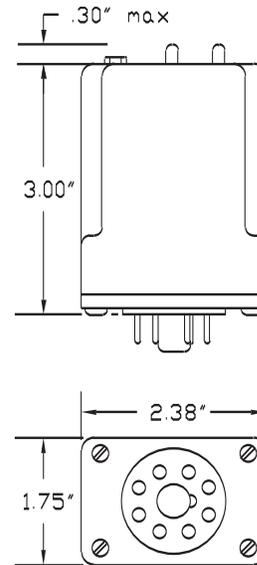


Dual Channel Seal Failure Alarm

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.

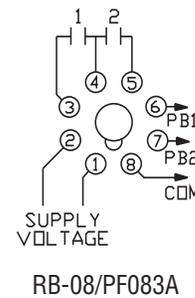
DIMENSIONS (INCHES)



SPECIFICATIONS

CONTROL VOLTAGE	120 VAC, 50/60 Hz	
PROBE 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, 345 VA Inductive	
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.	

WIRING



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