

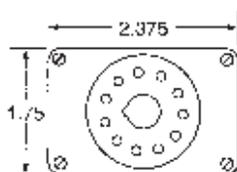
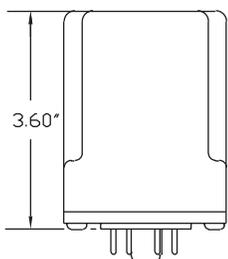
OPERATION

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.

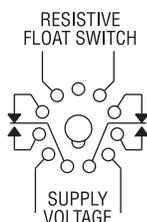


Single Channel Seal Failure Alarm

DIMENSIONS (INCHES)



WIRING



RB-11/PF013A

MODEL NUMBER

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

SPECIFICATIONS

CONTROL VOLTAGE	120 VAC, 50/60 Hz	
SWITCH VOLTAGE	9 VDC	
ISOLATION	2500 Volts	
POWER REQUIRED	2 VA	
DUTY CYCLE	Continuous	
SENSITIVITY	470 Ω ±10% Fixed 300 Ω to 10K Ω ±10% Adjustable 4.7K Ω to 100K Ω ±10% Adjustable	
CONTACT RATING	DPDT, 10 A @ 250 VAC Resistive	
RESPONSE TIMES	Operate	15 ms (approximately)
	Release	8 ms (approximately)
LIFE EXPECTANCY	Mechanical 10,000,000 Operations (Minimum) 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	11-Pin plug-in "A" style enclosure	
WEIGHT	8 oz.	