

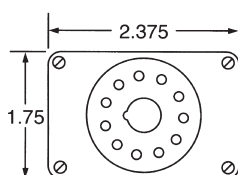
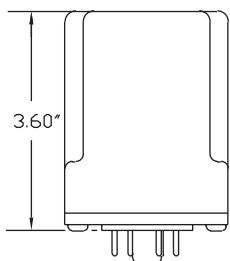
OPERATION

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.

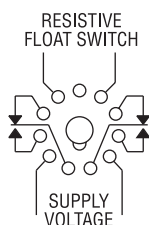


Single Channel Seal Failure Alarm

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.