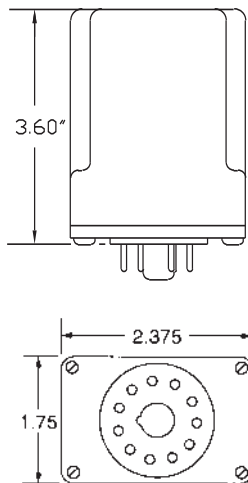


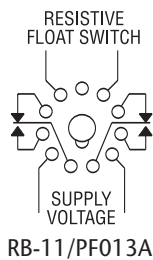
OPERATION

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. When the fault condition clears, the output relay resets automatically.

DIMENSIONS (INCHES)



WIRING



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

Single 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	470 Ω ±10% Fixed	
	470 Ω to 10K Ω ±10% Adjustable	
CONTACT RATING	4.7K Ω to 100K Ω ±10% Adjustable	
	DPDT, 10 A @ 250 VAC Resistive, 360 VA Inductive	
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.	