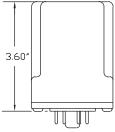
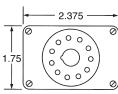
OPERATION

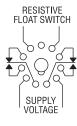
The ATC Diversified SPM Series Single Channel Seal Failure module is a specialized control for monitoring the shaft seal of a submersible pump motor. A leak is detected by sensing the position of a resistive float switch installed in the seal cavity. When the resistance drops below the sensitivity rating, the output relay energizes and the LED illuminates.

DIMENSIONS (INCHES)





WIRING



RB-11/PF013A

MODEL NUMBER

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

-	2.375	
1.75 0		0

SPM Series



Single Channel Seal Failure Alarm

SPECIFICATIONS

E55826

CONTROL VOLTAGE	120 VAC, 50/60 Hz		
SWITCH VOLTAGE	9 VDC		
ISOLATION	2500 Volts		
POWER REQUIRED	2 VA		
DUTY CYCLE	Continuous		
SENSITIVITY	470 $\Omega \pm 10\%$ Fixed 300 Ω to 10K $\Omega \pm 10\%$ Adjustable 4.7K Ω to 100K $\Omega \pm 10\%$ Adjustable		
CONTACT RATING	DPDT, 10 A @ 250 VAC Resistive		
RESPONSE TIMES	Operate Release	15 ms (approximately) 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 Storage	-4° to 131°F (-20° to +55°C) -40° to 185°F (-40° to +85°C)	
ENCLOSURE	11-Pin plug-in "A" style enclosure		
WEIGHT	8 oz.		