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IND. CONT. EQ.  
496Y  
(Model AEE)

## Submersible Pump Monitor Dual Function Alarm Relay

### SPECIFICATIONS

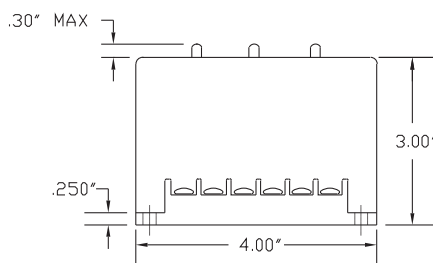
<b>CONTROL VOLTAGE</b>	120 VAC, 50/60 Hz (Model AEE) 120-240V AC 50/60 Hz (Model AEA) 24V AC/DC (Model AEA)
<b>SENSOR VOLTAGE</b>	12 VDC (Model AEE) 9V DC (Model AEA)
<b>POWER REQUIRED</b>	4 VA
<b>DUTY CYCLE</b>	Continuous
<b>SENSITIVITY</b>	Leakage 1K $\Omega$ to 35K $\Omega$ adjustable (Model AEE) 1K $\Omega$ to 25K $\Omega$ adjustable (Model AEA) 4.7K $\Omega$ to 100K $\Omega$ adjustable (Model AEA) Over Temperature Open Circuit
<b>CONTACT RATING</b>	(2) SPDT, 10 A @ 120 VAC Resistive
<b>LIFE EXPECTANCY</b>	Mechanical 10 Million Operations Electrical 100,000 Operations @ Rated Load
<b>INDICATORS</b>	Green LED illuminates under normal conditions Red LED illuminates when leak is detected Red LED illuminates on over-temperature
<b>TEMPERATURE RATING</b>	Operate -4° to 131°F (-20° to +55°C) Storage -40° to 185°F (-40° to +85°C)
<b>RESPONSE TIMES</b>	Leakage Trip 1 SEC Leakage Reset 1 SEC Temperature Trip 0.1 SEC
<b>TERMINATIONS</b>	(12) #8-32 Screw Terminals (Model AEE)
<b>ENCLOSURE</b>	Style "E" Lexan® Surface Mounted (Model AEE) Style "A" 11 Pin Plug-In (Model AEA)
<b>WEIGHT</b>	17 oz. (Model AEE)
<b>RESET</b>	Seal Leakage: When the leakage condition clears the relay resets automatically Over Temperature: 1. Remote Manual Reset 2. For "S" type models when reset switch is set in auto position the unit will be reset by interrupting supply voltage for 1.5 sec.

The ATC Diversified **Submersible Pump Monitor** is a specialized control for monitoring the **shaft seal** and stator **temperature** of a **submersible pump motor**. Seal leakage is detected by either a resistive float switch or a pair of conductive probes installed in the seal cavity. Over-temperature is detected by a normally-closed-low temperature switch mounted on the stator. The over-temperature function incorporates a bistable relay that retains its position during power failures. For (S) models over-temperature reset can be configured by changing the reset switch.

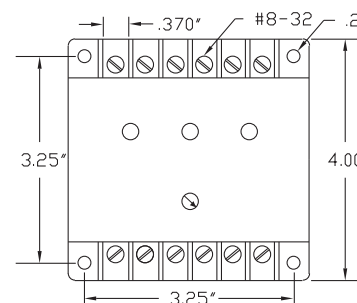
### ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
<b>SPM120AEE</b>	Dual Function Alarm Relay 120 vac Base Mount.
<b>SPM120AEA25K</b>	Dual Function Alarm Relay 120 vac, 1k to 25 k sensitivity, Plug-in.
<b>SPM24AEA25K</b>	Dual Function Alarm Relay 24v ac/dc, 1k to 25 k sensitivity, Plug-in.
<b>SPM120AEA100K</b>	Dual Function Alarm Relay 120 vac, 4.7k to 100 k sensitivity, Plug-in.
<b>SPM24AEA100K</b>	Dual Function Alarm Relay 24v ac/dc 4.7k to 100 k sensitivity, Plug-in.
<b>SPM120AEA(S) 25K</b>	Dual Function Alarm Relay 120 vac, 1k to 25 k sensitivity, Plug-in, reset mode selector switch
<b>SPM24AEA(S) 25K</b>	Dual Function Alarm Relay 24v ac/dc, 1k to 25 k sensitivity, Plug-in, reset mode selector switch
<b>SPM120AEA(S) 100K</b>	Dual Function Alarm Relay 120 vac, 4.7k to 100k sensitivity, Plug-in, reset mode selector switch.
<b>SPM24AEA(S) 100K</b>	Dual Function Alarm Relay 24v ac/dc, 4.7k to 100k sensitivity, Plug-in, reset mode selector switch.

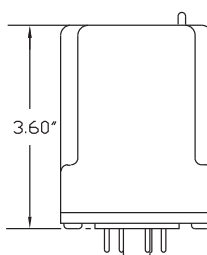
### DIMENSIONS (INCHES)



### MODEL (AEE) BASE MOUNT



### DIMENSIONS (INCHES)



### MODEL (AEA) 11 PIN PLUG-IN

