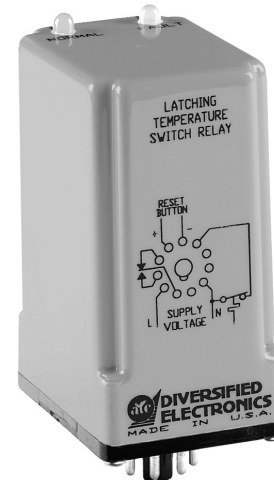


## OPERATION

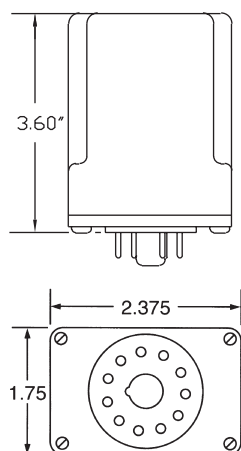
The non-volatile **Latching Temperature Switch** relay monitors a normally-closed-low temperature switch. It incorporates a bistable relay that retains its state during power failures. LEDs indicate the status of the relay, and connections for an external reset button are provided for manual control. The reset inputs of multiple units may be connected to a single push button as long as proper polarity is observed when making the connections. Under normal conditions the temperature switch is closed and the relay is de-energized. When the temperature switch opens, the relay energizes and latches on until the temperature switch re-closes and the reset button is pressed. The unit will function properly with zero to 2k  $\Omega$  of resistance in series with the temperature switch.

CEC®  
E55826

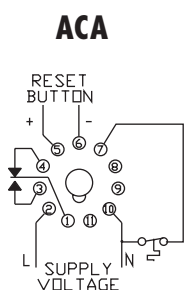


## Temperature Switch Relay

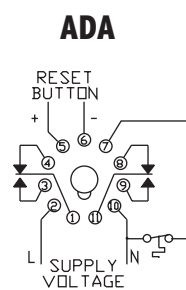
## DIMENSIONS (INCHES)



## WIRING



RB-11/PF113A



RB-11/PF113A

## SPECIFICATIONS

|                           |                                    |   |
|---------------------------|------------------------------------|---|
| <b>CONTROL VOLTAGE</b>    | 120 VAC, 50/60 Hz                  |   |
| <b>POWER REQUIRED</b>     | 2 VA                               |   |
| <b>DUTY CYCLE</b>         | Continuous                         |   |
| <b>CONTACT RATING</b>     | SPM-120-ACA                        | SPDT, 10 A @ 250 VAC, Resistive, 360 VA Ind.  |
|                           | SPM-120-ADA                        | DPDT, 10 A @ 250 VAC, Resistive   |
| <b>RESPONSE TIMES</b>     | Operate                            | 10 ms (approximately)   |
|                           | Release                            | 1 SEC (approximately)   |
| <b>LIFE EXPECTANCY</b>    | Mechanical                         | 30 Million Operations   |
|                           | Electrical                         | 50,000 Operations @ Rated Load  |
| <b>INDICATORS</b>         | SPM-120-ACA                        | Green LED illuminates under normal conditions<br>Red LED illuminates under fault conditions |
|                           | SPM-120-ADA                        | None  |
| <b>TEMPERATURE SWITCH</b> | Voltage                            | 12 VDC  |
|                           | Current                            | 2 mA max.   |
| <b>TEMPERATURE RATING</b> | Operate                            | -4° to 131°F (-20° to +55°C)  |
|                           | Storage                            | -40° to 185°F (-40° to +85°C)   |
| <b>ENCLOSURE</b>          | 11-Pin plug-in "A" style enclosure |   |
| <b>WEIGHT</b>             | 8 oz.                              |   |

## ORDERING INFORMATION

| MODEL NUMBER | DESCRIPTION                              |
|--------------|--|
| SPM-120-ACA  | SPDT, 10A @ 250V AC Latching Temp Switch |
| SPM-120-ADA  | DPDT, 10A @ 250V AC Latching Temp Switch |