



AMPERITE CO.

E-Mail: info@amperite.com • Web site: www.amperite.com



### TSW3 Series Thermal Switches

- 100% Solid State Circuitry
- Two fixed temperature switching points
- Customer specified acceptance window
- 1 Form A or B Output Switching
- 3 ampere load rating standard, 10 ampere optional
- Remote sensing available

#### DESCRIPTION:

The Amperite TSW3 Series thermal switch provides a means to monitor ambient temperature, and provides an output voltage when the temperature is within the customer specified window.

Temperature sensing range -40°C to +125°C

#### INPUT VOLTAGE:

12V, 24V, 36V, 48V, 110V and 120V AC or DC.  
Custom voltages are available.

#### CONTACT INFORMATION:

SPST solid state switching, one form A or one form B.

#### CONTACT RATING:

Max. Switching Current: 3 amperes  
10 ampere rating available at extra cost.

#### THERMAL SPECIFICATIONS:

Fixed dual temperature switching is accordance with user requirement. When the ambient temperature is within the specified window, the output terminal is energized. Reverse sensing is available.

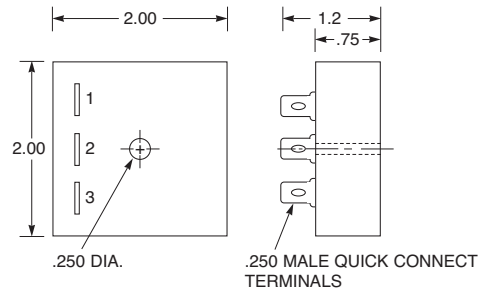
#### SENSING:

Two solid state sensors located at the top surface (terminal side) of the module. Remote sensing is available.

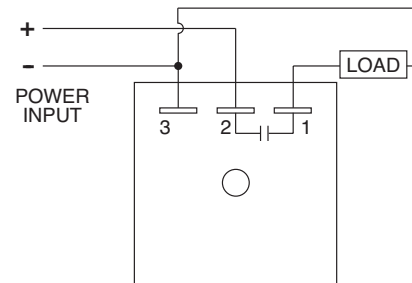
#### MECHANICAL:

Epoxy sealed enclosure. 2 x 2 x 3/4 inch hockey-puck with three 1/4 inch male quick connect terminals. Single hole mounting. Remote cable length (if so equipped) specified by user.

#### OUTLINE DIMENSIONS:

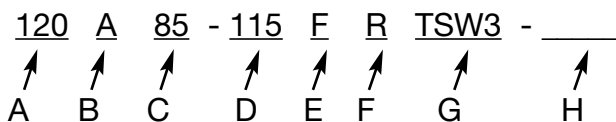


#### WIRING DIAGRAM:



#### Ordering Information:

Definition of a part number for the Amperite TSW3 Series Thermal Switch.  
Example:



- A: Denotes nominal input voltage in accordance with the specification shown above. **Custom voltages: Consult factory.**
- B: Denotes input current: A = AC, alternating current; D = DC, direct current
- C & D: Denotes temperature acceptance window.
- E: C = Celsius; F = Fahrenheit.
- F: Leave blank for standard sensing (form A). Insert "R" for form B switching.
- G: Denotes Amperite TSW3 Series Thermal Switch.
- H: Leave blank when remote sensor not required. For remote sensing add the following suffix after the part number: REM - length in inches. Example: REM-12 (for 12 inch remote sensor).