AMPERITE CO.
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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.
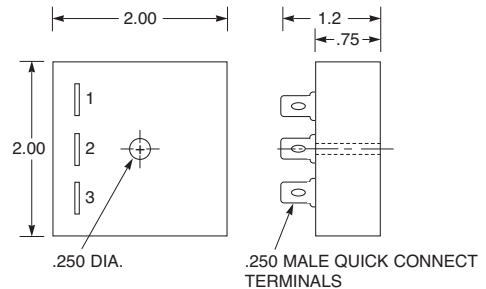
SENSING:

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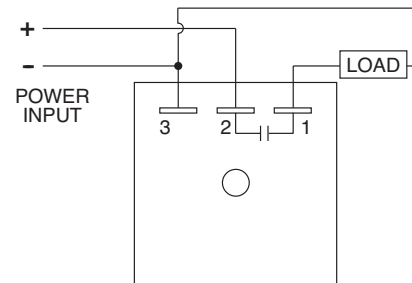
MECHANICAL:

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.
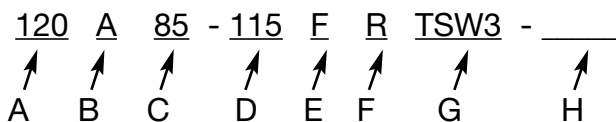
OUTLINE DIMENSIONS:

WIRING DIAGRAM:

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

120 A 85 - 115 F R TSW3 - ____
A B C   D   E F G   H

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).