

Technical drawings of the 1000 Series Thermal Switch, showing dimensions in inches (in parentheses) and millimeters.

Front View (Top Left):

- Overall width: $5.20 \pm .20$ ($.205 \pm .008$)
- Overall height: $6.30 \pm .20$ ($.25 \pm .008$)
- Top mounting tab width: $.50$ ($.02$)
- Bottom mounting tab width: 3.70 ($.146$)
- Central circular feature diameter: $\phi 3.00$ ($\phi .118$)

Side View (Top Middle):

- Top flange thickness: $.80 \pm .20$ ($.03 \pm .008$)
- Internal step height: $.50$ ($.02$)
- Internal step width: $.30$ ($.012$)

Top View (Bottom Left):

- Overall width: $5.2 \pm .20$ ($.205 \pm .008$)
- Overall height: $6.30 \pm .20$ ($.25 \pm .008$)
- Top mounting tab width: $.50$ ($.02$)
- Bottom mounting tab width: 3.70 ($.146$)
- Central circular feature diameter: $\phi 2$ ($\phi .079$)

Side View (Bottom Middle):

- Top flange thickness: $1.50 \pm .20$ ($.059 \pm .008$)
- Internal step height: $.50$ ($.02$)
- Internal step width: $.30$ ($.012$)

Top View (Bottom Right):

- Overall width: 5.60 ($.22$)
- Overall height: 4.80 ($.19$)
- Top mounting tab width: 2.60 ($.10$)
- Bottom mounting tab width: 4.40 ($.17$)
- Central circular feature diameter: 8 ($.32$)
- Internal step height: 1.40 ($.06$)
- Internal step width: 4.40 ($.17$)

Wiring Diagram (Far Right):

- Terminal T1 is connected to Terminal T2.
- Terminal T3 is connected to Terminal T4.
- Terminal T5 is connected to Terminal T5 (common terminal).

- Electrical Life: 1,000,000 cycles min. for 160gf
200,000 cycles min. for 260gf
- Rating: 50mA/12VDC
- Contact Resistance: 100mΩ max.
- Insulation Resistance: 100mΩ min. at 500VDC
- Dielectric Strength: 25VAC/minute

- Operation Force: 160 $\pm$ 50gf TS4522T1601, TS4522T1602
260 $\pm$ 50gf TS4522T2601, TS4522T2602
- Stop Strength: Max. 3kgf vertical static load continuously for 15 seconds
- Stroke: 0.25 $\pm$ 0.2mm
0.25 -0.1mm
- Operating Temp: -25°C to +70°C
- Storage Temp: -30°C to +80°C
- Type: SPST

- Cover: Nickel Silver
- Contact Disc: Phosphor Bronze w/ Silver Cladding
- Terminal: Brass w/ Silver Cladding
- Base: LCP High-Temp Thermoplastic; Black
- Stem: Brass TS4522T1602, TS4522T2602
None TS4522T1601, TS4522T2601
- Tape: Teflon

- RoHS compliant and process compatible with 260° solder.

101-TS4522T1601-EV, 101-TS4522T1602-EV
101-TS4522T2601-EV, 101-TS4522T2602-EV

Mountain Switch