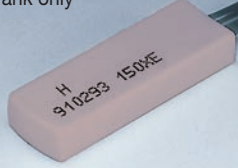
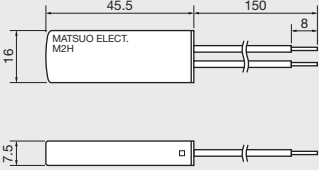


# ■ TPS for mid and high temperature [110°~400°C] ■

<p><b>M2H</b> (No mounting hole Two lead wires E rank only)</p> 	 <p>Standard lead wire is AWM1726/AWG20 150mm length.</p>	<p><b>Features:</b></p> <ol style="list-style-type: none"> <li>1.) Long life.</li> <li>2.) Thin version with 150mm lead wire.</li> <li>3.) Controls from 110 to 200°C</li> <li>4.) Dust proof : IP60</li> </ol>
<p><b>M2HA</b>(For high temperature)</p> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 10px auto;"> <p>Will be launched by May 2009</p> </div>		<p><b>Features:</b></p> <ol style="list-style-type: none"> <li>1.) Long life.</li> <li>2.) Thin version with 150mm lead wire.</li> <li>3.) Controls from 200 to 400°C</li> <li>4.) Dust proof : IP60</li> </ol>

## Ratings and Characteristics:

Table of contact capacity by voltage used and by DIFF. ranking

Operating voltage		Temperature Setting	Differential rank	Contact capacity
AC250V	DC24V	110°C ~ 200°C	E	0.5A ~ 2A
AC125V	DC12V	110°C ~ 200°C	E	0.5A ~ 3A

NOTE: The contact capacity of TPS for mid temperature will change depending on the voltage used/preset temperature/DIFF. ranking.

Maximum operating voltage : Refer to the table above.

Temperature setting range : 110°C~200°C

Temperature setting tolerance :  $\pm 7^\circ\text{C}$ (110°C~150°C),  $\pm 10^\circ\text{C}$ (151°C~200°C)

**Differential** : rank E ..... $15 \pm 5$  (10~20)°C for setting temperature.

Contact configuration : 1b(X)

Operating temperature range : -30°C ~ setting temperature +40°C (no icing, no condensing)

**Waterproof** : This product is not waterproof.

Insulation resistance : 100M $\Omega$  or more

Contact resistance : 70m $\Omega$  or less (including lead wire resistance)

Withstanding voltage : AC2000V for 2sec.(600V for 1minute between contacts)

Vibration resistance : Selected from JIS·C·0911-1984

Constant vibration; 50Hz fixed/0.2mm fixed (1G)

Sweep vibration; 10~55Hz/0.35mm fixed (0.1~2.2G)

Withstands 2 hour each in directions X, Y and Z.

**Impact resistance** : No damage when dropped three times from the height of 40cm onto a concrete floor (about 70G).

No damage for double sealed model when dropped three times from the height of 1m onto a concrete floor.

Withstands substantial impact after being put in a package or mounted in equipment.

**Life** : 2 million mechanical operations, 100,000 electrical operations at rated load.

**Handling precautions** : The thermostat withstands vibration and impact applied along Y and Z axis, but does not tolerate impact from X direction. (see the illustration below.) It is recommended that the thermostats be installed to minimize stresses applied along the X axis.

**Double sealed construction** : TPS for mid temperature cannot have double sealing structure because of the heat resistivity issue of the material.

