
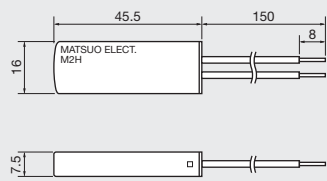


## ■ TPS for mid temperature [110°~200°C] ■

**M2H**  
 (No mounting hole  
 Two lead wires  
 E rank only)





Standard lead wire is AWM1726/AWG20 150mm length.

**Features:**

- 1.) Long life.
- 2.) Thin version with 150mm lead wire.
- 3.) Controls from 110 to 200°C
- 4.) Dust proof : IP40

### Ratings and Characteristics:

Table of contact capacity by voltage for M2H

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

Table of contact capacity by voltage of M2HK

Operating voltage		Temperature Setting	Differential rank	Contact capacity
AC125V/AC250V	DC12V/DC24V	110°C ~ 200°C	E	1mA ~ 50mA

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 : ±7°C(110°C~150°C), ±10°C(151°C~200°C)

**Differential** : rank E .....15±5 (10~20)°C

**Contact configuration** : 1b(X)

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

**Protection rating** : IP40

**Insulation resistance** : 100MΩ or more

**Contact resistance** : 70mΩ or less (including lead wire resistance)

**Withstanding voltage** : AC2000V for 2 sec.(600V for 1 minute 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** : 10 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.

