The temperature monitor is a tool that detects abnormal heat build-up in conductors caused by loose terminal connection screws of a breaker in a switchboard. One-touch quick and simple installation of the monitor on the breaker allows the conductors to be continuously checked for temperature rise at a reasonable cost.

**Features**

**Versatile**
The monitor is available for two sizes of hex socket head cap screws: M8 and M10.

**Space Saving**
Temperature measurement units are of the type where they are installed onto the heads of the terminal connection screws of the breaker, thus saving space in the breaker.

**Contact Output**
The monitor is provided with relay contact outputs from which heat signals can be delivered to an external temperature evaluation device.

### Ratings and specifications

<table>
<thead>
<tr>
<th>Types</th>
<th>Hex socket head cap screws type</th>
<th>Temperature measurement units</th>
<th>Control unit</th>
<th>Screws</th>
</tr>
</thead>
<tbody>
<tr>
<td>T2TM253A10S</td>
<td>M8</td>
<td>6</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>T2TM403A10S</td>
<td>M10</td>
<td>6</td>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

- Temperature detection sensor: Thermistor (Detection tolerance: ±10%)
- Supply voltage: AC100 - 110V
- Rating of output contact: 125V AC 0.5A / 30V DC 1A Normally open contact (1a)
- Temperature detection ranges and LED indicator colors/relay contact output

<table>
<thead>
<tr>
<th>Temperature detection range</th>
<th>LED indicator color</th>
<th>Relay contact output</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 80°C</td>
<td>Green</td>
<td>Non</td>
</tr>
<tr>
<td>≥ 80°C, &lt; 110°C</td>
<td>Orange</td>
<td>Non</td>
</tr>
<tr>
<td>≥ 110°C</td>
<td>Red</td>
<td>Yes</td>
</tr>
</tbody>
</table>

### Ratings and specifications

- Temperature measurement units: Available for two sizes of terminal connection screws M8 and M10. With control unit connecting cable (0.8m long)
- Control unit: Provided with power input and relay contact output terminals and LED indicators.

### Outline dimensions of Control unit

- Drilling plan (front view)
- Teerminal No.
- Mounting hole
- Reset button
- LED indicator
- Terminal screw
- Power source
- Alarm
- ALa
- ALc
- OP1
- OP2

**Packaged Items**
- Temperature measurement units
- Control unit
- Screws