

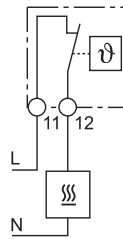
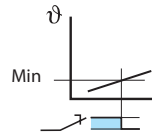
**Panel thermostat**

- Small, compact size (17.5 mm wide)
- Snap action thermostatic Bimetal sensor
- Wide temperature setting range
- Long electrical life
- 35 mm rail (EN 60715) mount

**NEW 7T.81.0.000.240x**



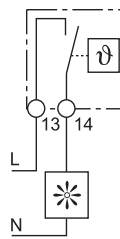
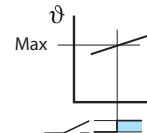
• Heating control



**NEW 7T.81.0.000.230x**



• Ventilation control



**Heating control** - Should the panel temperature fall below the (minimum) set temperature the contact will close to call for heat. The contact will open when this set temperature is exceeded.

**Ventilation control** - Should the panel temperature exceed the (maximum) set temperature then the contact will close to call for cooling. The contact will open when the temperature falls below this set temperature.

For outline drawing see page 2

**Contact specification**

|   |           |             |             |
|---|-----------|-------------|-------------|
| Contact configuration                       |           | 1 NC        | 1 NO        |
| Rated current/Maximum peak current          | A         | 10/20       | 10/20       |
| Rated voltage/<br>Maximum switching voltage | V AC      | 250/250     | 250/250     |
| Rated load AC1                              | VA        | 2500        | 2500        |
| Rated load AC15 (230 V AC)                  | VA        | 250         | 250         |
| Single phase motor rating AC3 (230 V AC)    | kW        | 1.1         | 1.1         |
| Breaking capacity DC1: 30/110/220 V         | A         | 1/0.3/0.15  | 1/0.3/0.15  |
| Minimum switching load                      | mW (V/mA) | 500 (12/10) | 500 (12/10) |
| Standard contact material                   |           | AgNi        | AgNi        |

**Temperature setting range**

|                                 |    |           |           |          |
|---------------------------------|----|-----------|-----------|----------|
| Setting range (ventilation)     | °C | —         | -20...+40 | +0...+60 |
| Switch temperature differential | K  | —         | 7 ± 4     |          |
| Setting range (heating)         | °C | -20...+40 | +0...+60  | —        |
| Switch temperature differential | K  | 7 ± 4     |           | —        |

**Technical data**

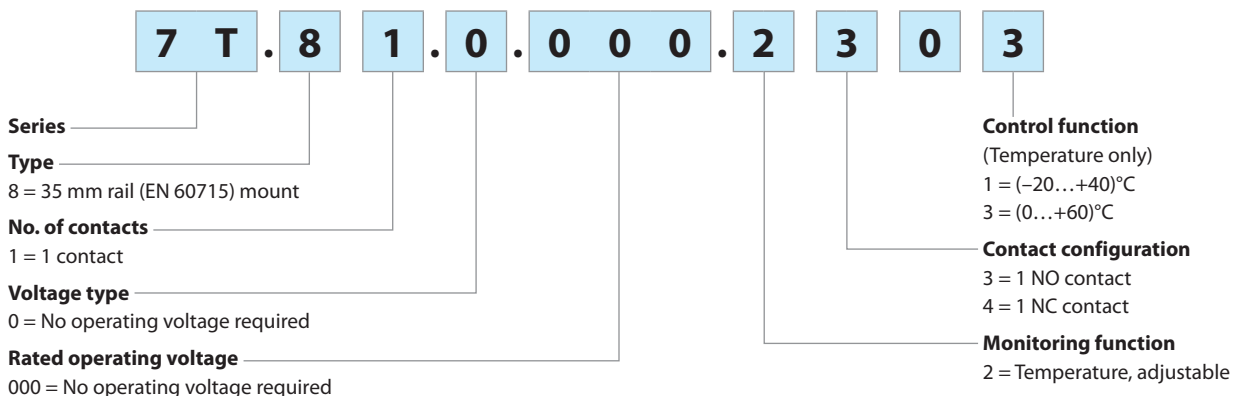
|                                   |        |                       |                       |
|-----------------------------------|--------|-----------------------|-----------------------|
| Electrical life at rated load AC1 | cycles | 100 · 10 <sup>3</sup> | 100 · 10 <sup>3</sup> |
| Ambient temperature range         | °C     | -45...+80             | -45...+80             |
| Protection category               |        | IP 20                 | IP 20                 |

**Approvals** (according to type)



## Ordering information

Example: 7T Series, thermostat for ventilation control, contact activates ventilation should the panel temperature exceed the set value (max+60 °C), 35 mm rail (EN 60715) mount.



## Technical data

| Insulation                                |                 |             |                |
|---|-----------------|-------------|----------------|
| Dielectric strength between open contacts | V AC            | 500         |                |
| Other data                                |                 |             |                |
| Screw torque                              | Nm              | 0.5         | 0.5            |
| Max. wire size                            |                 | solid cable | stranded cable |
|   | mm <sup>2</sup> | 1 x 2.5     | 1 x 1.5        |
|   | AWG             | 1 x 12      | 1 x 16         |

## Outline drawings

7T.81  
Screw terminal

