Features

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

NEW 7T.81.0.000.230x

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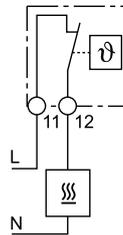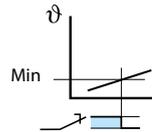
- Ventilation control
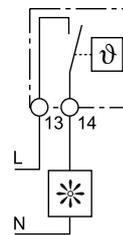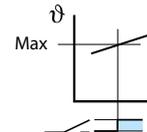
Heating control - Should the panel temperature fall below the (minimum) set temperature the contact will close to call for heat. The contact will open when this set temperature is exceeded.

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/ 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	0.125	0.125
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	$100 \cdot 10^3$	$100 \cdot 10^3$
Ambient temperature range	°C	−45…+80	−45…+80
Protection category		IP 20	IP 20
Approvals (according to type)			

CE EHC RP cRUus

G

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.

| 7 | T | . | 8 | 1 | . | 0 | . | 0 | 0 | 0 | . | 2 | 3 | 0 | 3 |

Series

Type
8 = 35 mm rail (EN 60715) mount

No. of contacts
1 = 1 contact

Voltage type
0 = No operating voltage required

Rated operating voltage
000 = No operating voltage required

Control function
(Temperature only)
1 = (−20…+40)°C
3 = (0…+60)°C

Contact configuration
3 = 1 NO contact
4 = 1 NC contact

Monitoring function
2 = Temperature, adjustable

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
	mm²	1 x 2.5	1 x 1.5
	AWG	1 x 12	1 x 16

G

Outline drawings

7T.81
Screw terminal

17.5

47.8

88.8

33.8

30.5

62

84