

Panel Thermo-Hygrostat

- Small, compact size (17.5 mm wide)
- Electronic control
- 4 functions
- Nominal voltage 110...240 V AC/DC
- Temperature ranges from +10 ° to +60°C
- Humidity range up to 90%
- LED status indication contact ON
- 35 mm rail (EN 60715) mount

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

7T.51/7T.81
Box clamp



* Measured with 0.3 K/min
** Measured with 0.5 %/min

For outline drawing see page 6

Contact specification

Contact configuration	1 NO (SPST-NO)	1 NC (SPST-NC)	1 NO (SPST-NO)
Rated current/Maximum peak current	A	10/15	10/20
Rated voltage/ Maximum switching voltage	V AC	250/400	250/250
Rated load AC1	VA	2500	2500
Rated load AC15 (230 V AC)	VA	500	250
Single phase motor rating AC3 (230 V AC)	kW	—	1.1
Breaking capacity DC1: 24/110/220 V	A	10/0.3/0.12	1/0.3/0.15
Minimum switching load	mW (V/mA)	500 (12/10)	500 (12/10)
Standard contact material	AgNi	AgNi	AgNi

Coil specifications

Nominal Voltage	V AC/DC	110...240	—	—
Rated Power	VA (50Hz)/W	1.8/0.44	—	—
Operating range	V AC/DC	88...264	—	—

Temperature specifications *

Setting range (ventilation)	°C	+10...+60	-20...+40	-20...+60	0...+60	-20...+40	-20...+60	0...+60
Switch differential	K	4 ± 2	7 ± 4			7 ± 4		
Setting accuracy full range	K	-1...+3	—			—		

Humidity specifications **

Setting range (humidity)	%	50...90	—			—		
Hysteresis	%	4 ± 2	—			—		
Setting accuracy	%	5	—			—		

Technical data

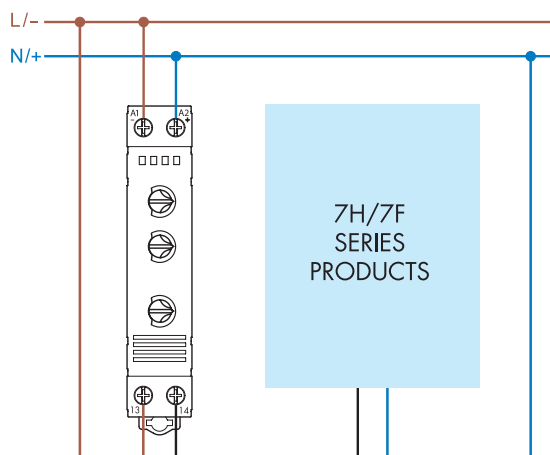
Electrical life at rated load AC1	cycles	100 · 10 ³	100 · 10 ³			100 · 10 ³		
Ambient temperature range	°C	-25...+60	-45...+80			-45...+80		
Protection category		IP 20	IP 20			IP 20		

Approvals (according to type)

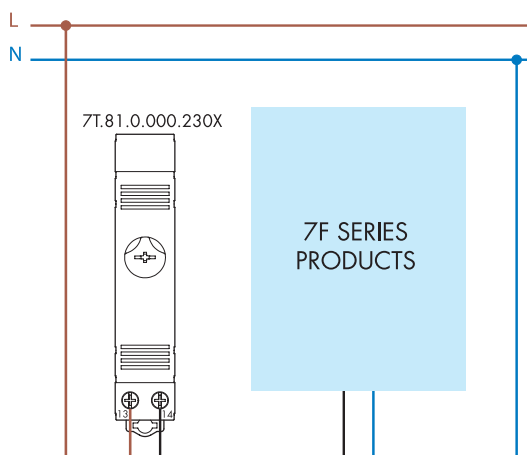


Wiring diagrams

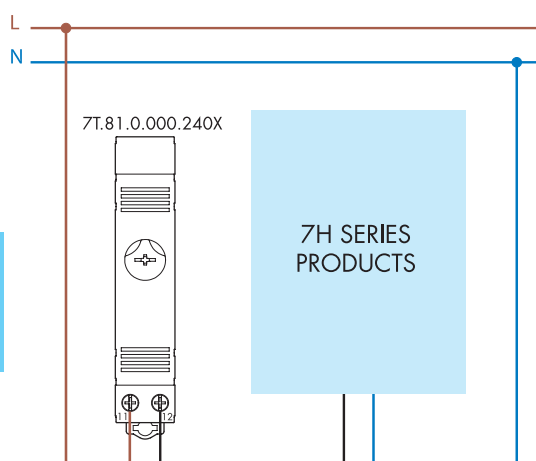
Type 7T.51



Type 7T.81...230x



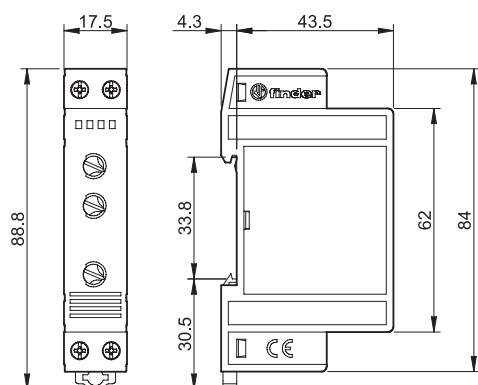
Type 7T.81...240x



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Outline drawings

Type 7T.51
Box clamp



Type 7T.81
Box clamp

