

REPORT

7T SERIES

Panel Thermo-Hygrostat and Thermostats



Multifunction Panel Thermo-Hygrostat Type 7T.51

Dedicated unit for controlling the internal climate of control panels and enclosures according to selectable limits of RH and Temperature.

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



Multifunction Panel Thermo-Hygrostat Type 7T.51.0.230.4360

Temperature specifications (Measured with 0.3 K/min)

Setting range (ventilation) +10...+60 °C

Switch differential 4 ± 2 K

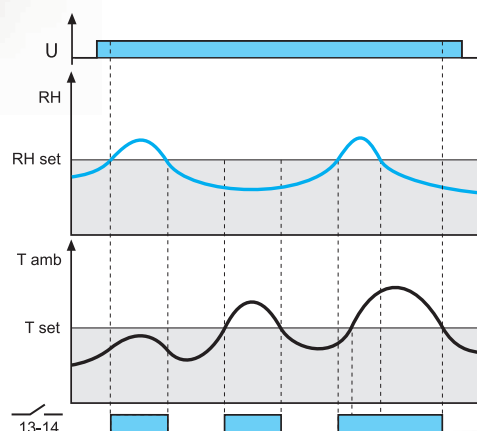
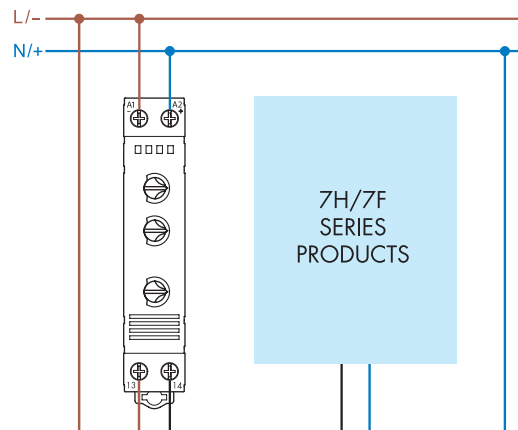
Setting accuracy full range $-1...+3$ K

Humidity specifications (Measured with 0.5 %/min)

Setting range (humidity) 50...90 %

Hysteresis 4 ± 2 %

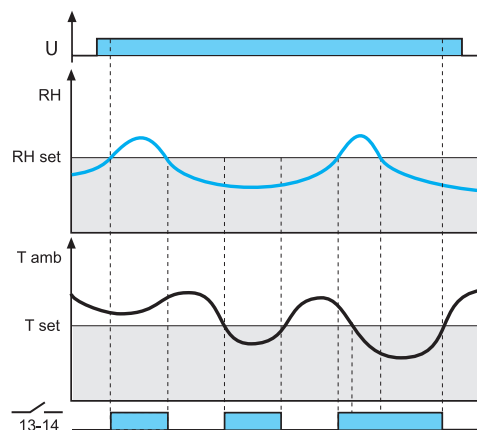
Setting accuracy 5 %



HT: $RH > RH_{set}$ or $T_{amb} > T_{set}$

Power is permanently applied to the thermo-hygrostat.
The contact 13-14 closes if the ambient humidity (RH) is $>$ of set humidity (RHset) or if the ambient temperature (Tamb) is $>$ of set temperature (Tset).

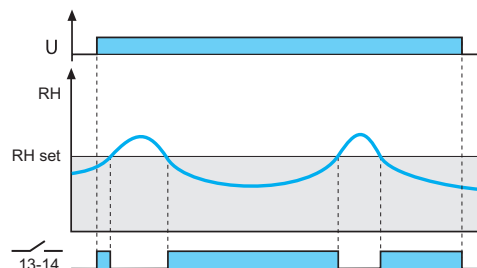
When contact is closed, LED is ON



TH: $RH > RH_{set}$ or $T_{amb} < T_{set}$

The contact 13-14 closes if the ambient humidity (RH) is $>$ of set humidity (RHset) or if the ambient temperature (Tamb) is $<$ of set temperature (Tset).

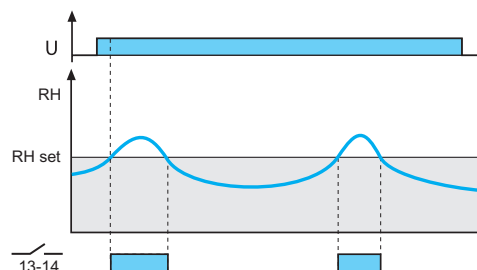
When contact is closed, LED is ON



HL: $RH < RH_{set}$

The contact 13-14 closes if the ambient humidity (RH) is $<$ of set humidity (RHset).

When contact is closed, LED is ON



HM: $RH > RH_{set}$

The contact 13-14 closes if the ambient humidity (RH) is $>$ of set humidity (RHset).

When contact is closed, LED is ON