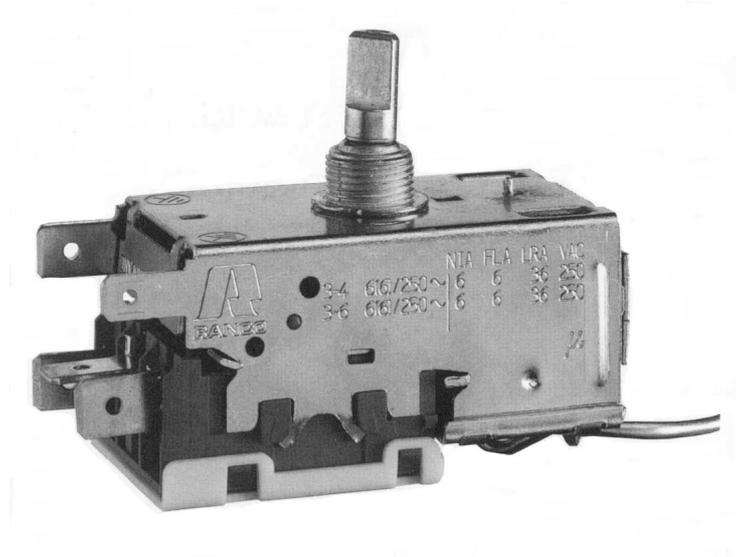


A RANCO

K54 Thermostats



Temperature control with SPST switch and signal switch



Terminal 3-4 closes at temperature rise

Terminal 3-6 closes when warning temperature has been reached

Closing with rising temperature and auxiliary switch (terminal 3-6). The auxiliary switch closes as soon as the cut-in temperature of the temperature control is exceeded by a fixed temperature value (possibly between 4 and 7 °C) and normally is applied to initiate a warning signal.

On request, identical control function, but auxiliary switch opening when cut-in temperature is exceeded.

Rating at 250 V, 50 Hz

3-4: 6(6)A

3-6: 0,1A

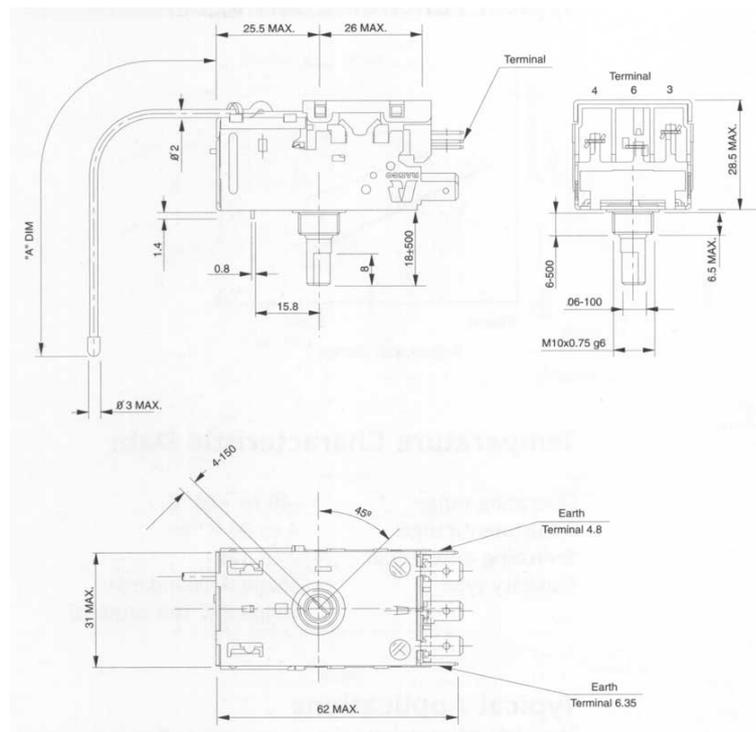
Special versions

- Constant warning temperature
- Second warning temperature by clipped-on auxiliary switch

Dimensions/Connections

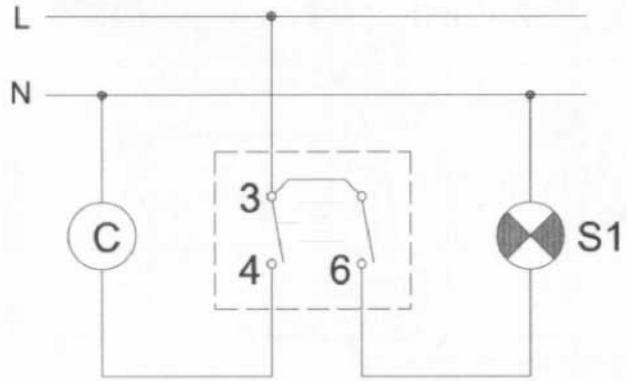
Control shown in position COLD according to standard type, other dial shaft positions on request.

For the type equipped with terminals 6,35 mm the external terminals are turned by 90° with respect to the a.m. figure.

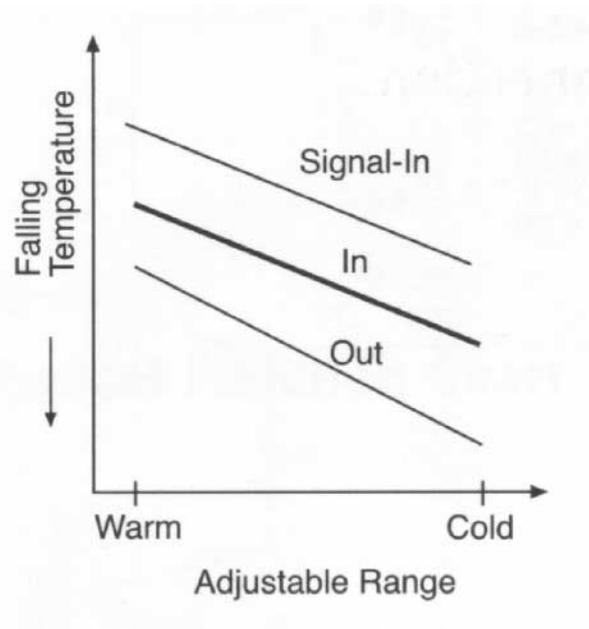


Typical Electrical Wiring Diagram

3-4 = main switch closes on temp rise
3-6 = signal switch closes on temp rise
C = compressor
S1 = alarm to indicate too high temp



Typical Function Chart



Temperature Characteristic Data

Operating range: -40 to 40 °C
Adjustment range: 4 to 30 K
Switching differential: 3 to 14 K
Signal differential: 4 to 7 K
Capillary type: Shape A (standard)
Shape B/C (on request)

Typical Applications

Freezers

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