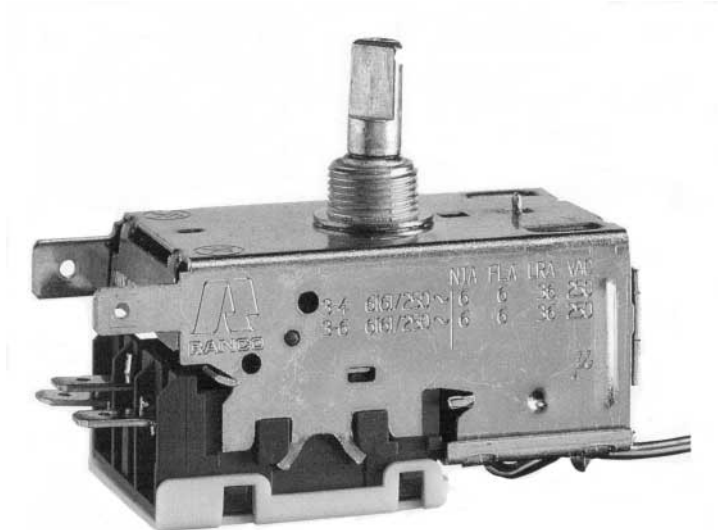


A RANCO

K57 Thermostats



Temperature control with SPST switch and auxiliary switch for OFF position



Terminal 3-4 closes at temperature rise
Terminal 3-6 opens in OFF position

Closing with rising temperature and auxiliary switch (terminal 3-6) connected in series with the main switch breaks the current circuit as soon as the temperature control is set to OFF position.

In general type K57 is classified into 2 basic versions:

Version A: K57 with standard switching differential

Version B: K57 with wide switching differential (wide diff. version)

This version is especially applied in refrigerating devices where at the same automatic defrost and an extended control range are required. Depending on the design of the refrigerating device/temperature control indoor temperatures of the refrigerating device between 0 and 15 °C can be achieved, i.e. the refrigerating device can be used for refrigeration as well as for storage of goods.

Rating at 250 V, 50 Hz

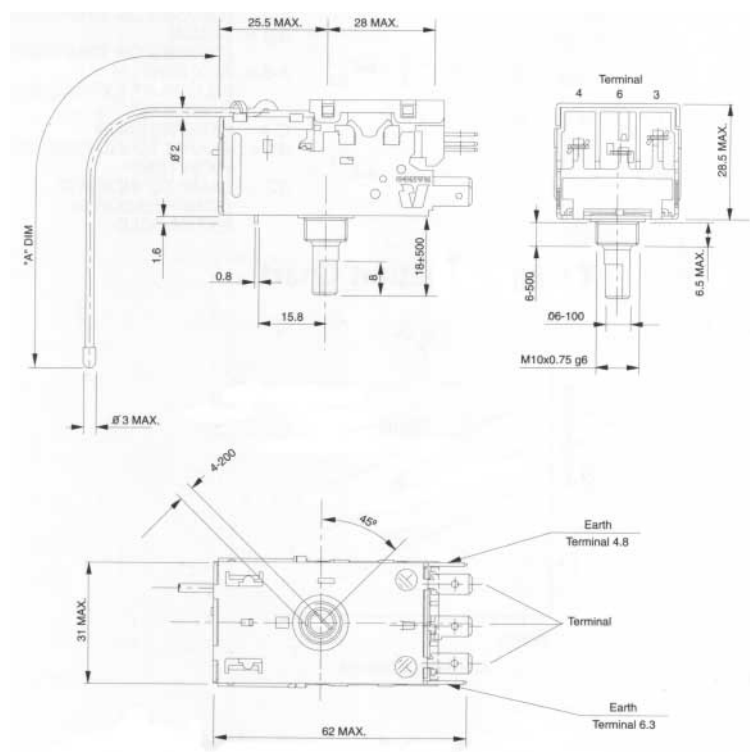
3-4: 6(6)A

3-6: 6(6)A

Dimensions/Connections

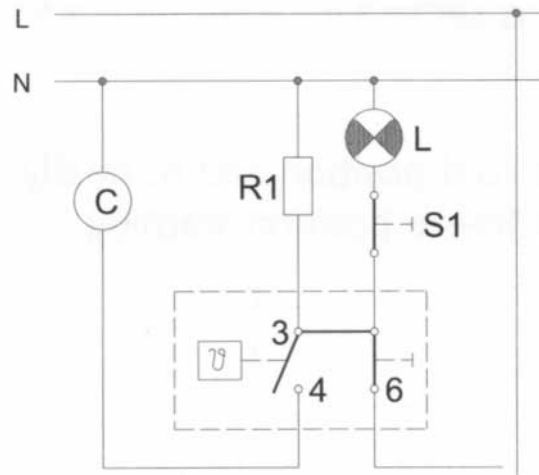
Control shown in position COLD according to standard type, other dial shaft positions on request.

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



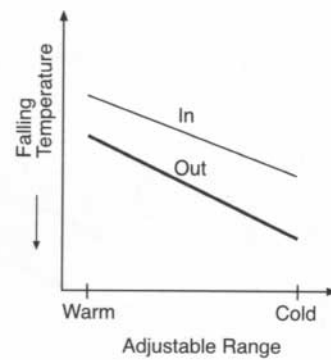
Typical Electrical Wiring Diagram

3-4 = main switch closes on temp rise
3-6 = aux switch opens in OFF position
C = compressor
L = lamp
S1 = door switch
L2 = collar heater

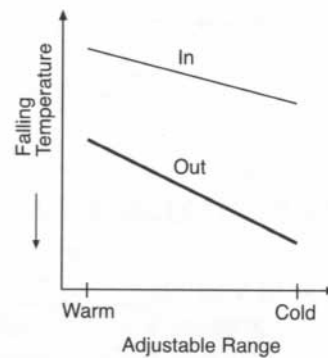


Typical Function Chart

Version A



Version B



Temperature Characteristic Data

Operating range: -40 to 40 °C

Adjustment range:

Version A: 4 to 30 K

Version B: 5 to 15 K

Switching differential:

Version A: 3 to 14 K

Version B: 10 to 25 K

Capillary type: Shape A (standard)
Shape B/C (on request)

Typical Applications

Refrigerators

Bottle Coolers

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