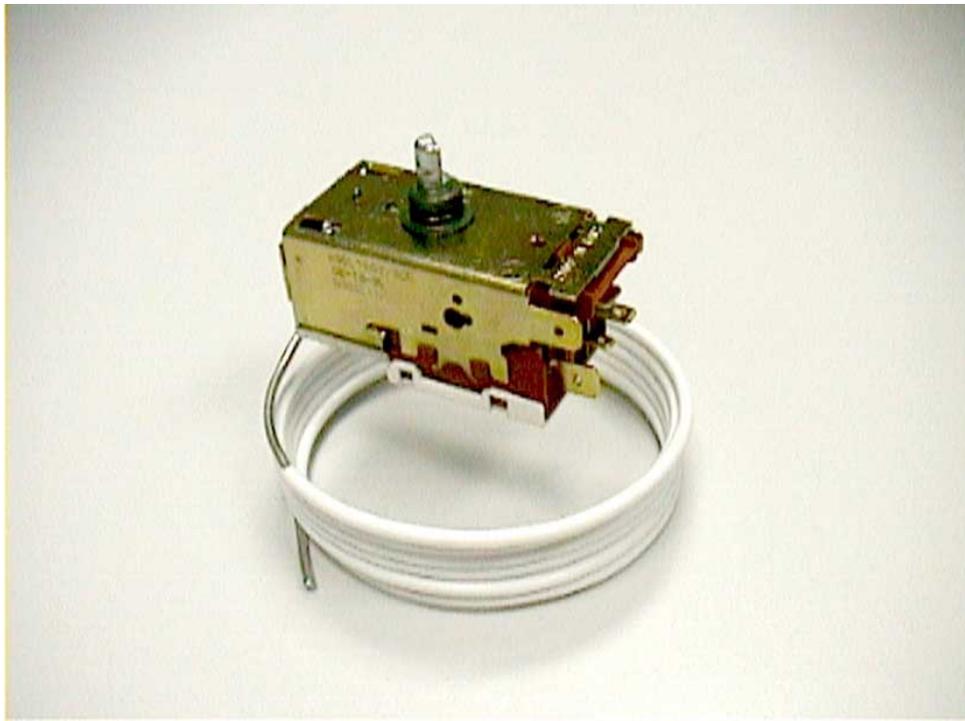
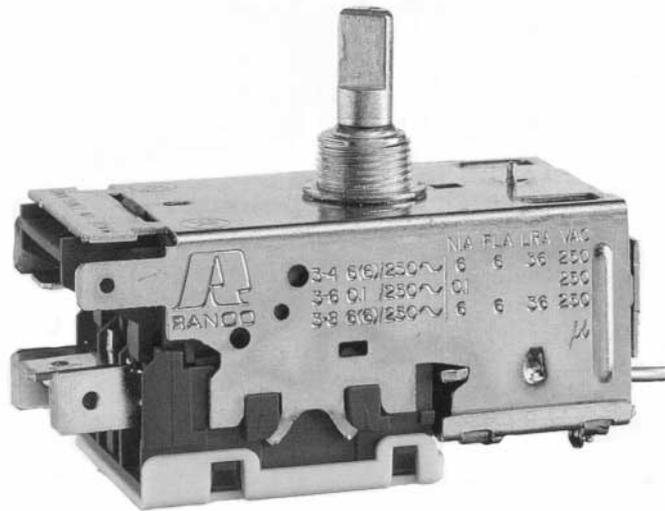


**A** RANCO

# K56 Thermostats



# Temperature control with SPST switch, signal switch and auxiliary switch for OFF position



**Terminal 3-4 closes at temperature rise**

**Terminal 3-6 closes when warning temperature has been reached**

**Terminal 3-8 opens in OFF position**

Closing with rising temperature and 2 auxiliary switches. Auxiliary switch (terminal 3-6) 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.

Auxiliary switch (terminal 3-8) is connected in series with the main switch (terminal 3-4) and breaks the current circuit as soon as the temperature control is set to OFF position.

## Rating at 250 V, 50 Hz

3-4: 6(6)A

3-8: 6(6)A

3-6: 0,1A

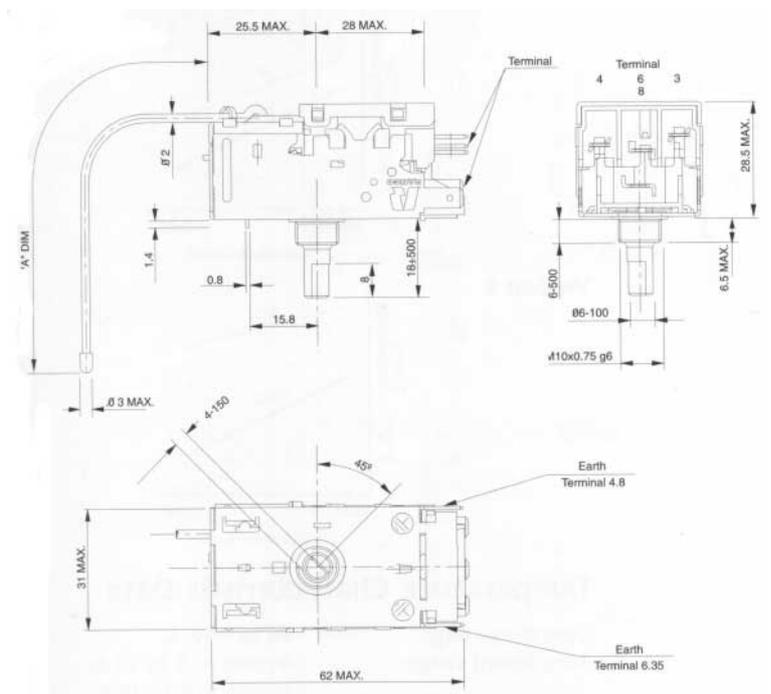
## Special versions

Terminal 3-8 closes in extra cold position and normally is applied to initiate a deep freeze position warning lamp.

## Dimensions/Connections

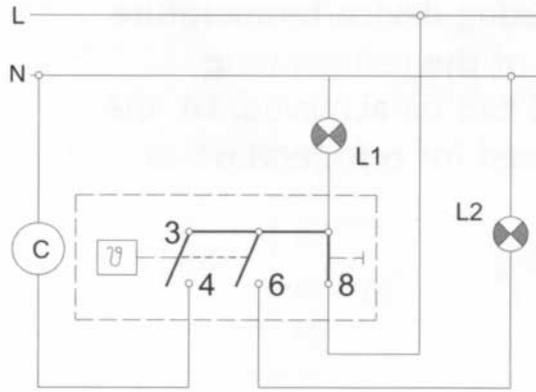
Control shown in position COLD according to standard type, other dial shaft positions on request.

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



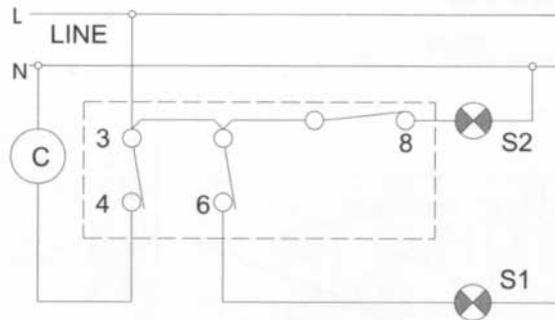
### Typical Electrical Wiring Diagram

- 3-4 = main switch closes on temp rise
- 3-6 = signal switch closes on temp rise
- 3-8 = aux switch (open in OFF position)
- C = compressor
- L1 = lamp (operation)
- L2 = lamp (signal)

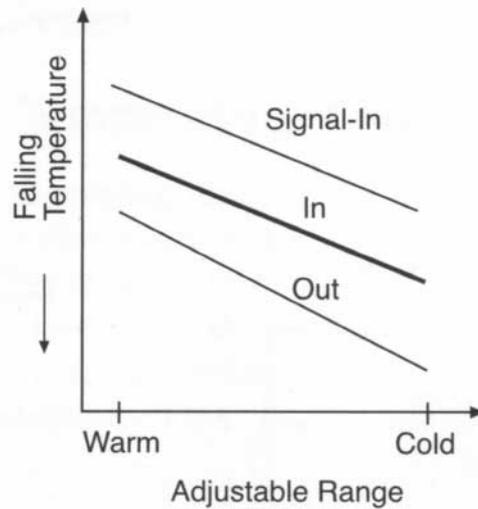


### Special Electrical Wiring Diagram

- 3-4 = main switch (closes on temp rise)
- 3-6 = signal switch (closes on temp rise)
- 3-8 = aux switch (close at extracold position)
- C = compressor
- S1 = alarm to indicate too high temp
- S2 = lamp to indicate compressor in extracold



### Typical Function Chart



### Temperature Characteristic Data

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

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