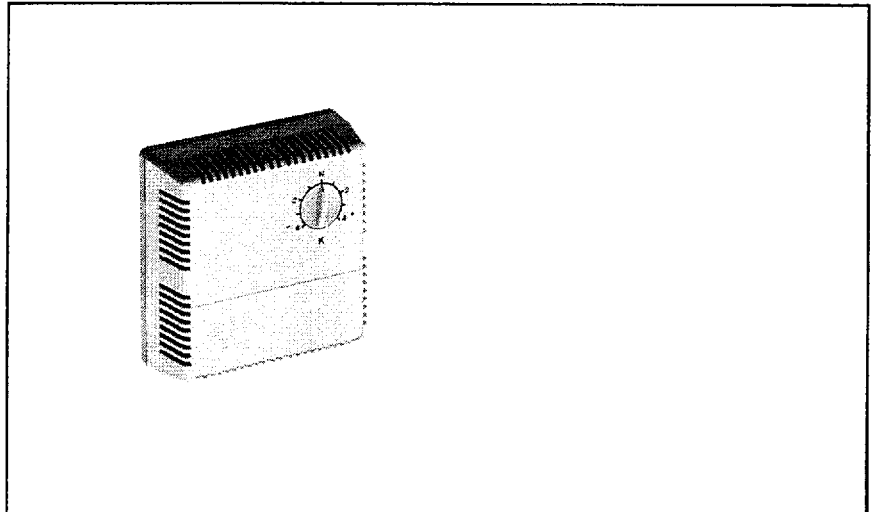


KRT-1

Remote setpoint unit with temperature sensor

Application

For use in conjunction with controllers in the INTEGRAL RS range for measurement of the room temperature, remote setpoint adjustment



Technical data

Adjustment range	± 4 K
Accuracy	± 0.5 K
Measuring range (T1)	-50 ... 150 °C

Connection:

2 x 2 wires interchangeable

Max. cable length:

- Setpoint	280 m 1.0 mm ² Cu 140 m 0.5 mm ² Cu (max 5 Ω each conductor)
- Temperature sensor	170 m 1.5 mm ² Cu 110 m 1.0 mm ² Cu (max 2 Ω each conductor)

Protection class

III (⊕)

Protection standard

IP 30 to IEC 529, DIN 40050

Ambient temperature:

- Operation	0 ... 50 °C
- Storage	-25 ... 70 °C

Principle of operation

The setpoint unit incorporates a potentiometer which may be used to adjust the temperature by ± 4 K.

The sensor is fitted with a T1 silicon sensing element with a positive temperature coefficient, i.e. its resistance increases as the temperature rises.

Construction

The unit is supplied in a standard multi-part plastic housing.
(For description and dimensions, see 1718).

Mounting instructions

The setpoint unit should be mounted at a height of approximately 1.5 m above floor level. It should not be mounted near doors, windows or chimneys where it will be exposed to undue influence from heat and moisture or in locations with poor air circulation (corners, recesses etc.).

A frame is supplied as an accessory for surface mounting.

Terminal layout

