

RF20 / DRF20

SPACE TEMPERATURE SENSOR

PRODUCT DATA



APPLICATION

As temperature sensor for individual room temperature control or as room control sensor for regulation with optimised increase/decrease temperature phase and room temperature monitoring.

FEATURES

- DRF 20 A (includes 2 sensor elements to make measuring of mean temperature with 2 DRF 20 A possible)
- mean value temperature possible (see Fig. 5 and 6) by using 4 RF 20 A or 2 DRF 20 A
- easy electrically installation
- high impedance NTC measure element (no adjustment for cable length necessary)

TYPES

- RF 20 A, with one sensor element
- DRF 20 A, with two sensor elements to form a mean value

DIMENSIONS

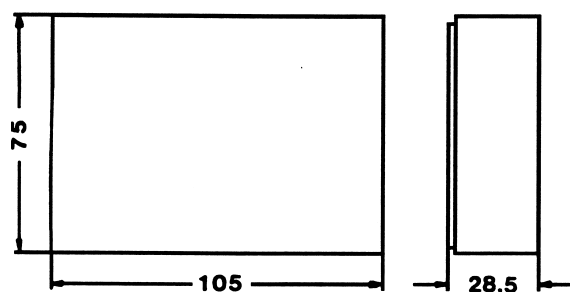


Fig. 1 Dimensions (mm)

SPECIFICATIONS

Sensor element	NTC thermistor
Resistance	20 Kohm at 25 °C
Operating range	-15 ... + 40 °C
Dimensions (H x W x D)	75 x 105 x 28.5 mm
Weight	ca. 90 g
Housing	Plastic
Color	White
Mounting	Wall mounting
Max. surrounding temperature/humidity	0 ... 50 °C / 5 ... 95 % RH.
Max. storage temperature/humidity	-35 ... +70 °C / 5 ... 95 % RH.
Electrical connection	Electrical terminals 2 x 1.5 mm ² cable
Protection class	IP 30, DIN 40 050 or IEC 144

For technical information on the NTC thermistor, see information leaflet EN 3R-1106.

MOUNTING

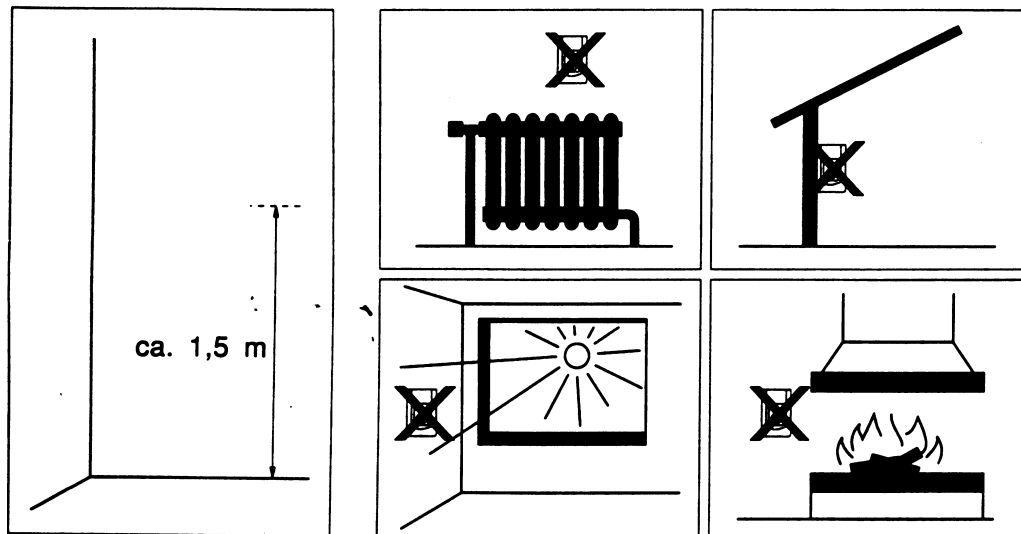
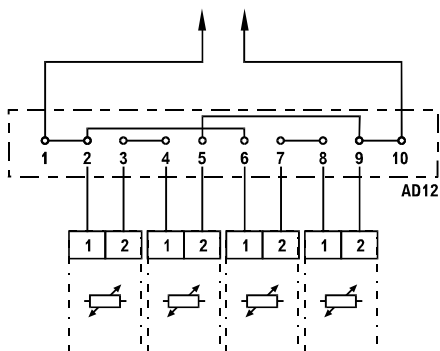


Fig. 2: Location of mounting

ELECTRICAL CONNECTION

The wiring of the temperature sensor has to be in accordance with the overall wiring circuit diagram. The terminals are not polarized so in the event of the wires being connected in reverse, no malfunction will occur.

In large rooms e.g. meeting rooms, it is not always the case that the temperature is uniform throughout. In such points should help to establish the "correct" temperature.



Connection to the branch box AD 12 (forming mean value) for 4 x RF 20 A

Fig. 3: Forming the mean value with 4 x RF 20 A

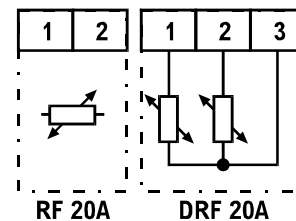


Fig. 4: Electrical connection

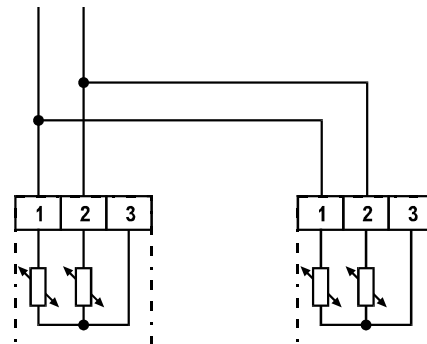


Fig. 5: Forming the mean value with 2 x DRF 20 A

Honeywell

Home and Building Control Products

Honeywell AG
Böblinger Straße 17
D-71101 Schönaich
Phone: (49) 7031 63701
Fax: (49) 7031 637493
<http://europe.hbc.honeywell.com>

Subject to change without notice. Printed in Germany

Manufacturing location certified to

DIN EN ISO
9001/14001

EN3R-1111 GE51 R0897