

RF 20 , DRF 20

Space temperature sensor

PRODUCT DATA



Fig. 1: RF 20 , DRF 20

Types

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

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

- easy electrical installation
- high impedance NTC measure element (no adjustment for cable length necessary)

Technical data

Sensor element:	NTC thermistor
Resistance:	20 Kohm at 25 deg C
Operating range:	-15 ... + 40 deg 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 deg C / 5 ... 95 % RH.
Max. storage temperature/ humidity	-35 ... +70 deg C / 5 ... 95 % RH.
Electrical connection:	electrical terminals 2 x 1.5 mm ² cable (RF 20) 3 x 1.5 mm ² cable (DRF 20)
Protection class:	IP 30, DIN 40 050 or IEC 144

This product meets the requirements of 

Location of mounting

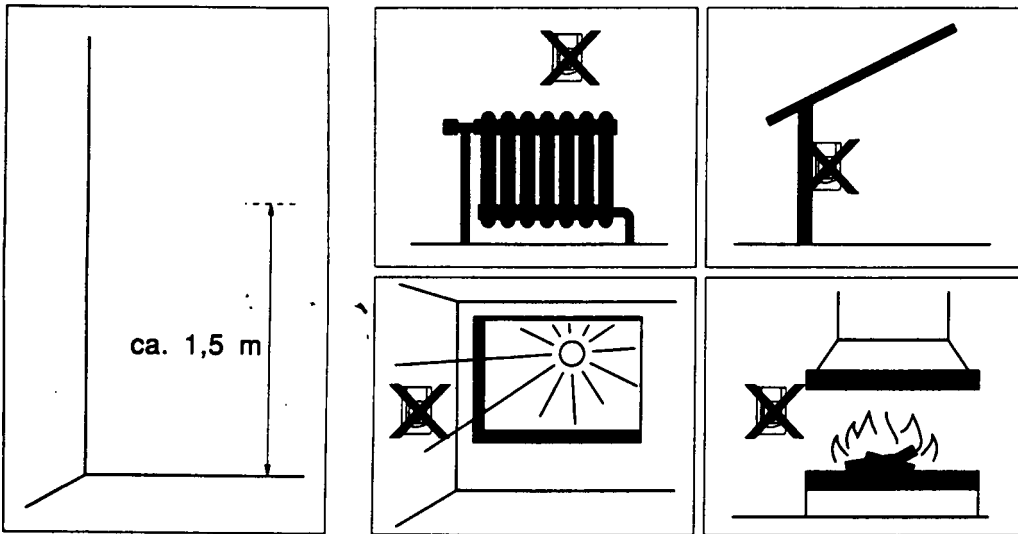


Fig. 3: Location of mounting

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.

Fig. 4: Electrical connection

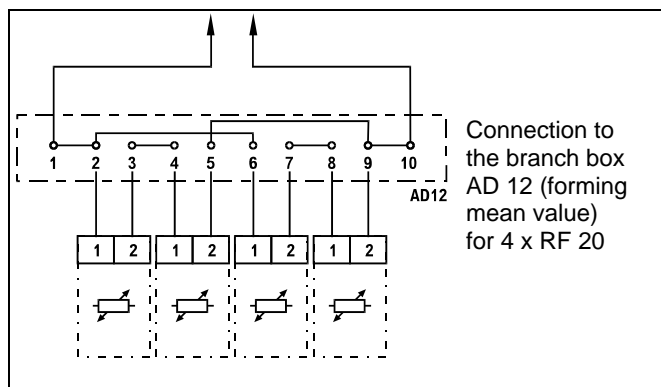
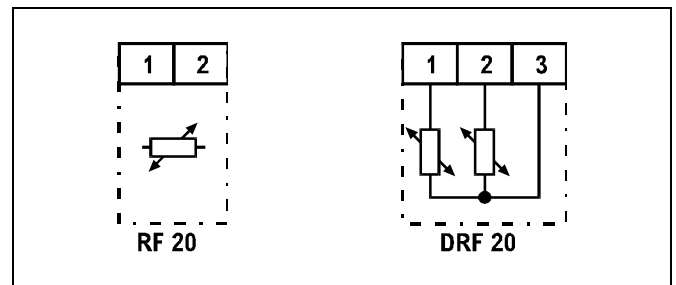


Fig. 5: Forming the mean value with 4 x RF 20

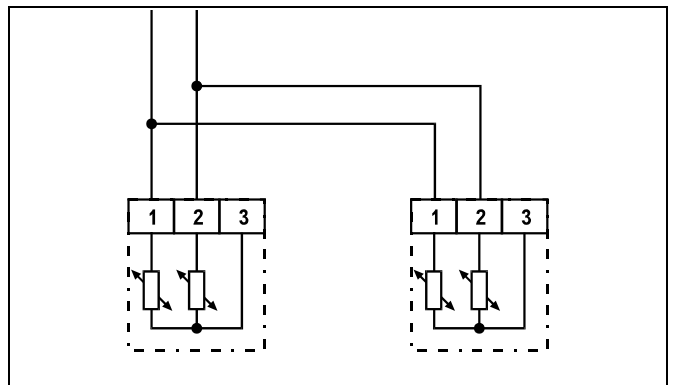


Fig. 6: Forming the mean value with 2 x DRF 20

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