

Room temperature sensor RF01-U2-D

1 Features

- Power supply 24 V DC
- Output 0...10 V DC
- Temperature range 0...50 °C
- Protection type IP20
- Local temperature display



2 General description

Room temperature sensor with display for measuring the temperature in enclosed rooms. The output generates a 0 ... 10 V signal. Thus, this sensor is ideal for use with the SMS Relay CMS-10A(C)DF. The sensor needs to be operated with a supply voltage of 24 V DC.

The integrated display shows the local temperature.

3 Order designation

Room temperature sensor with Display

RF01-U2-D

4 Connection diagram

- | | |
|---|--------------------|
| 1 | +24 V DC |
| 2 | 0 V |
| 3 | Output 0...10 V DC |

5 Specifications

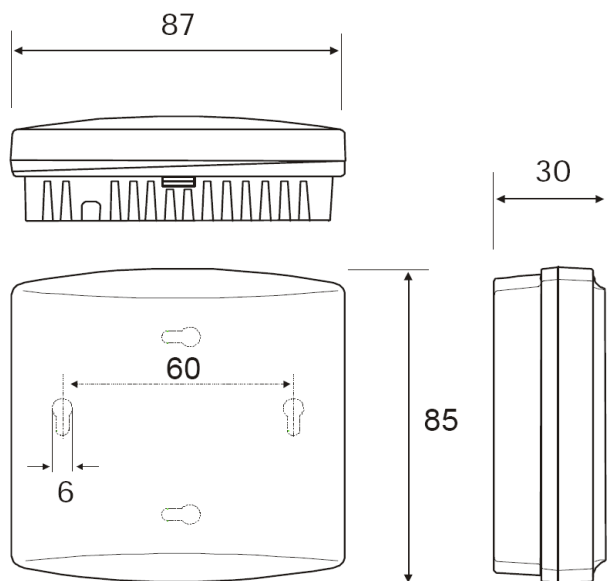
5.1 Electrical data

Output:	0 ... 10 V DC
Operating voltage:	24 V DC
Current consumption:	max. 8.3 mA
Measuring range:	-50 ... 150 °C (see configuration, Chap. 7)

5.2 Mechanical data

Protection type:	IP20
Dimensions:	85 x 87 x 30 mm
Weight:	67 g
Case material:	ABS
Color:	White, similar RAL 9010

6 Dimensions



7 Configuration

°C	0...50	0...100	-50...+50	-50...+150
S1	■	■		
S2		■	■	

8 Revision history

Version	Revision date	Responsible	Modifications
65005-017-57-001	10.06.2015	Cp, Hy	