

Room temperature sensor RF01-U

1 Features

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



2 General description

Room temperature sensor without display for measuring the temperature in enclosed spaces. The output generates a 0 ... 10 V signal. Thus, this sensor is ideal for use with the SMS Relay CMS-10ADF. The sensor needs to be operated with a supply voltage of 24 V DC.

3 Order designation

Room temperature sensor without Display

RF01-U

4 Connection diagram

13	+24 V DC
14	0 V
15	not used
16	Output 0...10 V DC

5 Specifications

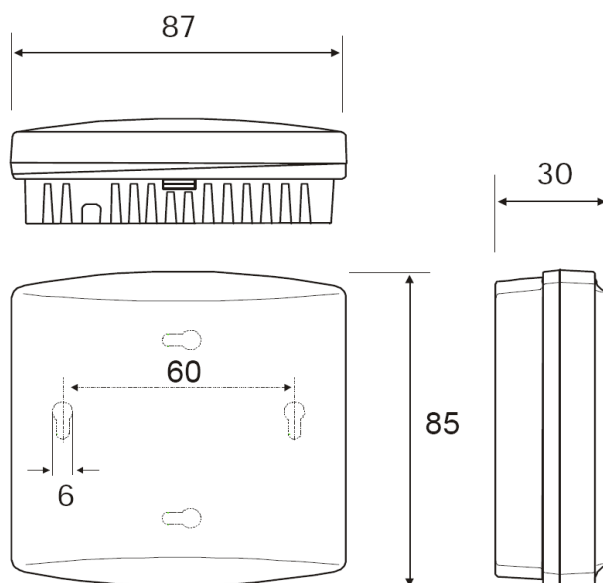
5.1 Electrical data

Output:	0 ... 10 V DC
Operating voltage:	24 V DC
Current consumption:	max. 8.3 mA
Measuring range:	0 ... 50 °C

5.2 Mechanical Data

Protection type:	IP20
Dimensions:	85 x 87 x 30 mm
Weight:	59 g
Case material:	ABS
Color:	White, similar RAL 9010

6 Dimensions



8 Revision history

Version	Revision date	Responsible	Modifications
65005-01-57-401	04.01.2010	Cp/Sa	1. Version
65005-01-57-402	06.01.2012	Cp/Bd	New terminal designations
65005-001-57-003	19.06.2012	Hy	Chap. 7 Configuration
65005-005-57-004	30.07.2014	Hy	Chapter 7 removed (Temperature range not adjustable)