



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for SIEMENS RDD10. You'll find the answers to all your questions on the SIEMENS RDD10 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual SIEMENS RDD10**  
**User guide SIEMENS RDD10**  
**Operating instructions SIEMENS RDD10**  
**Instructions for use SIEMENS RDD10**  
**Instruction manual SIEMENS RDD10**

**SIEMENS**

**3<sup>031</sup>**



**Room Temperature Controllers RDD10...**  
**with LCD**  
for heating systems

2-position control with ON / OFF output for heating  
Operating modes: normal operation and energy saving mode  
Automatic operating mode change over as an option  
Mains-powered AC 230 V (RDD10) or battery-powered DC 3 V (RDD10.1)

**Use**

The RDD10... is used for the control of the room temperature in heating systems.

Typical applications:

- Apartments
- Commercial spaces
- Schools

For the control of the following pieces of equipment:

- Thermic valves or zone valves
- Gas or oil burners
- Fans
- Pumps

CE1N3031en  
24.09.2003

Siemens Building Technologies  
**HVAC Products**



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**Manual abstract:**

@@The switching differential is 1 K. 3031D01 Q14 ON T SD W Q14 Room temperature Switching differential Room temperature setpoint Output signal for heating OFF W SD T[°C] Operating modes The RDD10... provides normal operation and, optionally, energy saving mode or OFF. @@The changeover from normal operation to energy saving mode, and vice versa, is made by pressing a button. Normal operation Energy saving mode or OFF When normal operation is activated, symbol " " can be readjusted by pressing buttons + and - . When energy saving mode is activated, symbol " " appears on the display. The setpoint " appears on the display. The set- point can be readjusted by pressing buttons + and - .

When the energy saving setpoint is set to " 0 ", the controller is switched off, that is, the RDD10... is not active in energy saving mode. In that case, symbol " " does not appear.

Automatic operating mode change over period of time can be adjusted with buttons + and - after pressing the hour glass button. @@@@The digital display shows the actual room temperature and the symbol of the operating mode currently active. When the heating output is activated, the triangle symbol appears. When the function "automatic operating mode change over" is activated, the hour glass symbol is shown. When this function is activated and a manual changeover has been made, the operating mode will automatically be reset on completion of an adjustable period of time.

@@room temperature controller RDD10. @@STA21... STP21... Data sheet 4863 4893 4878 . . .

. . . . @@The base carries the screw terminals. @@Operating mode changeover can be triggered by pressing a button. @@@@ . . Only authorised staff may open the controller. Caution: AC 230 V! @@@@Maintenance Sensor calibration The controller is maintenance-free. If the temperature on the display does not agree with the room temperature effectively measured, the temperature sensor can be recalibrated.

For that purpose, both buttons displayed can be changed by a maximum of +/- 3 Kelvin by pressing the + and buttons. @@@@contact) Rating RDD10 (AC 230 V) Rating RDD10.1 (AC 24...

250 V) Control output Q14 (N.O. contact) Rating RDD10 (AC 230 V) Rating RDD10.1 (AC 24..

.250 V) Switching differential SD Setpoint setting range Increments Factory setting normal operation Factory setting energy saving mode Setting range of operating mode changeover time Increment Factory setting Operation Climatic conditions Temperature Humidity Transport Climatic conditions Temperature Humidity Mechanical conditions Storage Climatic conditions Temperature Humidity AC 230 V +10/-15 % DC 3 V (2 x 1.5 V AAA Alkaline batteries) 50 or 60 Hz 4VA > 1 years (AAA Alkaline batteries) max. 5 A max. 5(2) A max. 5 A max. 5(2) A 1K 5...35 °C (normal operation) 0 (OFF) and 5.

..35 °C (energy saving mode) 0.5 °C 20 °C 8 °C 0.5...24 h 0.5 h 0 h (not activated) to IEC 721-3-3 class 3K5 0..

.+50 °C <95 % r. h. to IEC 721-3-2 class 2K3 -25..

.+60 °C <95 % r. h. class 2M2 to IEC 721-3-1 class 1K3 -25..

.+60 °C <95 % r. @@0.5 mm<sup>2</sup>) 0.20 kg white, NCS S 0502-G (RAL9003) General 6/8 Siemens Building Technologies HVAC Products Room temperature controllers CE1N3031en 24.09.2003 Connection diagram L N Q12 Q11 Q11 3V Q14 N1 Q12 Q14 N1 3031A01 Y1 N Y1 Nx N RDD10 N1 Y1 L, Ln N Room temperature controller Regulating unit Live, AC 230 V Neutral, AC 230 V RDD10.1 Lx Q11, Q12 Q11, Q14 Nx Live, AC 24 ...

250 V N.C. contact (for N.O. valves) N.O. contact (for N.C. valves) Neutral, AC 24 ..

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