SIEMENS

Digital Room Thermostat for Heating Applications

TERMO
(RDD100.1-EQ*)

*Siemens internal model name

Two-position control with ON / OFF relay output for heating
Operating modes: comfort and energy saving mode
**Battery-powered (2 AAA Alkaline batteries)**

Use

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

For the control of the following pieces of equipment:

- Wall hung boilers
- Thermic valves or zone valves
- Gas or oil burners
- Fans
- Pumps

Function

The thermostat acquires the room temperature with its integrated sensor and maintains the setpoint by delivering control commands. The switching differential is 1 K.
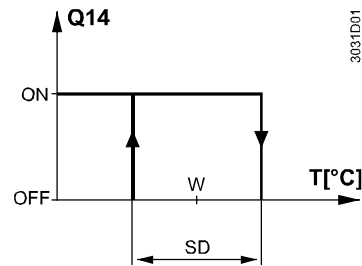
T	Room temperature
SD	Switching differential
W	Room temperature setpoint
Q14	Output signal for heating

Operating modes

The TERMO provides comfort mode and, optionally, energy saving mode. The difference between comfort and energy saving mode is only the room temperature setpoint. The changeover from comfort to energy saving mode, and vice versa, is made by pressing a button.

Comfort mode

When comfort mode is activated, symbol ☼ appears on the display. The setpoint can be readjusted by pressing buttons '+'and '-'.

Energy saving mode

When energy saving mode is activated, symbol ☽ appears on the display. The setpoint can be readjusted by pressing buttons '+' and '-' .

Notes

The room thermostat should be mounted in a location where the air temperature can be measured as accurately as possible without getting adversely affected by direct solar radiation or other heat or refrigeration sources.

Mounting height is about 1.5 m above the floor.
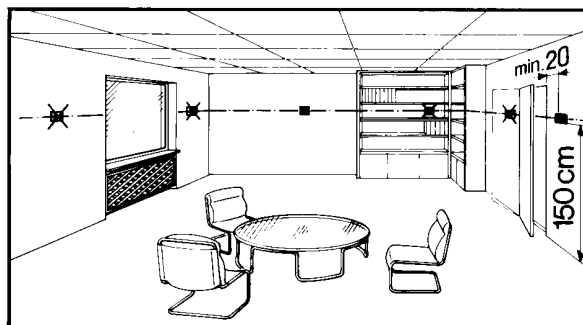
The unit can be fitted to a recessed conduit box or directly on the wall.

Mounting, installation and commissioning

When mounting the unit, fix the baseplate first. Then, make the electrical connections and fit and secure the cover (also refer to separate Mounting Instructions). The thermostat must be mounted on a flat wall and in compliance with local regulations.
If there are thermostatic radiator valves in the reference room, they must be set to their fully open position.

Maintenance

The thermostat is maintenance-free.

| Change of batteries	Before the batteries are exhausted, the symbol for changing the batteries appears. In that case, there are 5 days left to change the batteries.

Disposal

 The devices are considered electronics devices for disposal in term of European Directive 2012/19/EU and may not be disposed of as domestic waste.

- Dispose of the device via the channels provided for this purpose.
- Comply with all local and currently applicable laws and regulations.
- Dispose of empty batteries at designated collection points.

Technical data

Power supply	Operating voltage	DC 3 V (2 x 1.5 V AAA Alkaline batteries)
	Battery life	> 1 year (AAA Alkaline batteries)
Control outputs	Control output No. 2 (N.O. contact)	
	(AC 24...230 V)	Max. 5(2) A
	External protection for incoming cable Circuit breaker	Max. 10 A
	Circuit breaker tripping characteristic	Type B, C or D to EN 60898 and EN 60947
Functional data	Switching differential SD	1 K
	Setpoint setting range	4…35 °C (comfort operation)
		4…35 °C (energy saving mode)
	Increments	0.5 °C
	Factory setting comfort mode	20 °C
	Factory setting energy saving mode	16 °C
	Resolution of settings and displays	
	Setpoint	0.5 °C
	Actual value displays	0.5 °C
Standards	EU Conformity (CE)	8000078267
	Safety class	II to EN 60730
	Pollution degree	2
	Degree of protection of housing	IP30 to EN 60529
	Operation	IEC 60721-3
	Climatic conditions	Class 3K3
	Temperature	0…+45°C
	Humidity	< 85% r.h.
	Storage and transpor	IEC 60721-3
	Climatic conditions	Class 2K3
	Temperature	-25…+70°C
	Humidity	< 93% r.h.
	Mechanical conditions	Class 2M2
Electrical Connections	Connection terminals	Screw terminals
	For solid wires	2 x 1.5 mm^2
	For stranded wires	1 x 2.5 mm^2

Connection diagram
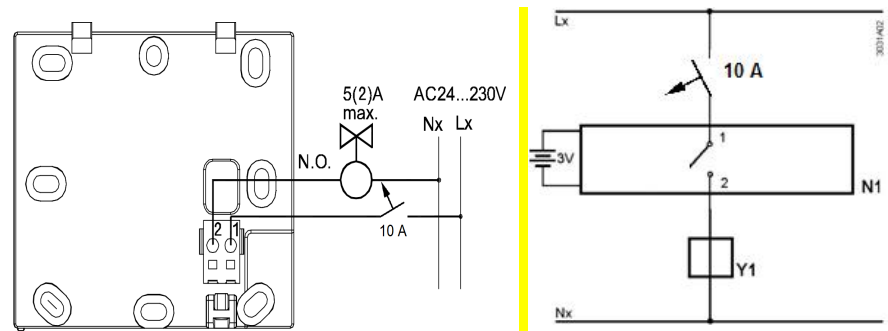
N1	Thermostat TERMO (RDD100.1-EQ)
Nx	Neutral
Lx	AC 24…230V
1, 2	N.O. contact (for N.C. valves)
Y1	Actuating device

Dimensions

Thermostat
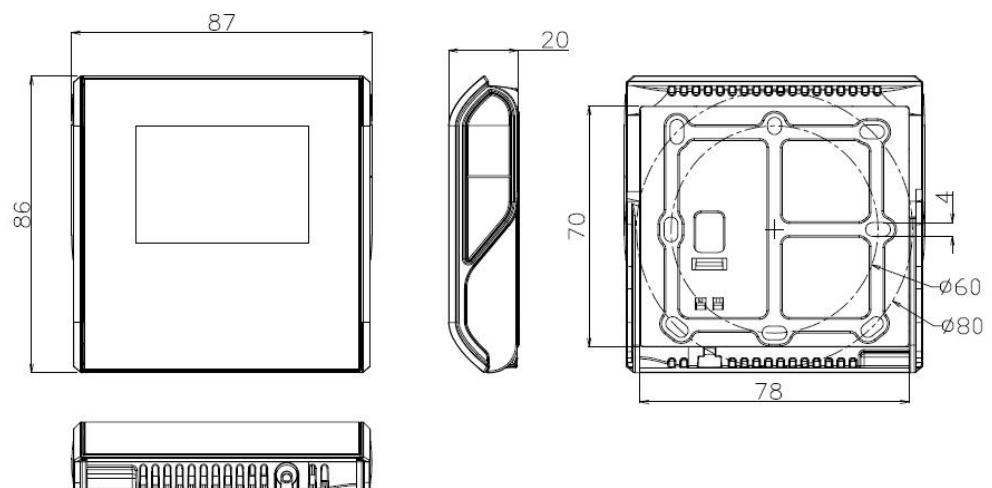
Packaging

Product	Equation model #	Equation EAN 13#	Blister	Packaging box
Room thermostat	TERMO (RDD100.1-EQ)	3351840220446	1 TERMO 1 multi-language mounting and 6 language operating instructions	6 units

Subject to change