

Product properties



Digital thermostat with big display for floor sensing or room sensing applications

- For floor sensing or room sensing applications based on 3 m floor sensor and built in room sensor
- Manual ON/OFF by 2-pole main power switch
- Setback function (-3.5°C) via remote timer
- Booster function for fast heat up (+5°C for max 2 hours)
- Read-out of actual floor sensor temperature
- Monitoring of floor or room sensor. In the event of failure of an active sensor, the underfloor heating system is switched off
- Possibility to lock the setting eg public buildings

Operating modes

- Room sensing only
- Floor sensing only

Technical Data

Supply voltage	230VAC +10%, -15%, 50/60Hz
Main switch	DPDT 16A, 3600W
Relay output- heating cable	230 V, max 13A

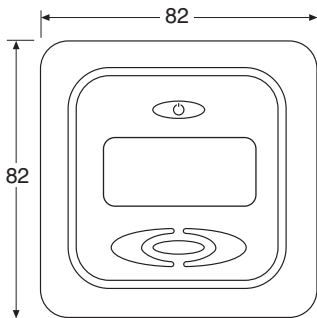
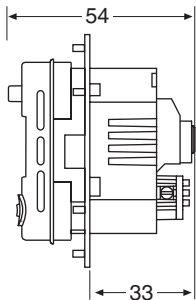
Temperature range floor sensor	+5°C to +35°C
Temperature range room sensor	+5°C to +40°C
Ambient temperature-operation	0°C to +40°C
Ambient temperature-transport	-20°C to +50°C
Accuracy-floor/room sensor	+/- 0,5°C
Switching hysteresis	0,5°C

Control modes	Floor or room sensing
Optional external control	Set back function -3,5°C
Back-up for set values	non-volatile memory

Protection class	IP21
Terminals	max 2,5 mm ²

Floor sensor with 3 m cable	NTC, 10K Ω /25°C
Max length of floor sensor	100 m, 2 x 1,5 mm ² (230 VAC cable)
Diameter sensor cable	4 mm
Diameter sensor tip	6 mm, length 32 mm

Dimensions with frame	H 82 x W 82 x D 54 mm
Colour	Polar white RAL 9010
Approvals	Semko, NF, CE



System Information

Raychem Underfloor Heating thermostats are used with

- T2QuickNet mats 90 W/m² and 160 W/m²
- T2Red – self-regulating heating cable
- T2Reflecta+T2Red
- T2Blue 10 W/m² and T2Blue 20 W/m²

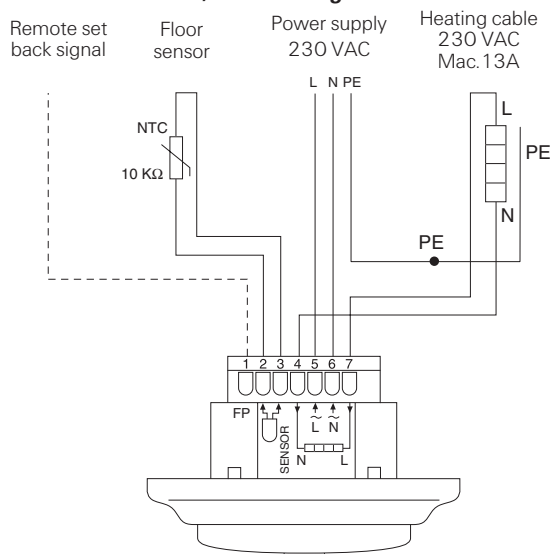
Compatibility with wall boxes

An extra square front plate for use with square frames is standard provided.

Switch manufacturer	Light switch product range
Busch + Jäger	Reflex SI, Jussi
Eljo	Trend
Elko	RS, L571
Gira	ST55 Standard, E2
Jung	AS
Merten	M-Plan, M-Smart, M-Arc, Atelier, M-Antik, Thermo, M-Star

Wiring diagram

Direct connection, one heating cable



Ordering information

R-TA

Part number 1244-002512

Accessories

Silver-R-TA silver colored front parts
Sensor-N 10K spare floor sensor

Part number 1244-003493
Part number 1244-002952

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