

## Description



- Standard thermostat for Raychem underfloor heating
- Thermostat for measurement of floor or room temperature
- LED feedback to aid programming and fault indication

## Product Properties

- Control of floor heating with the aid of the floor temperature sensor or the built-in room temperature sensor. Easy changeover from floor sensing to room sensing mode.
- The floor or the room temperature sensor is monitored. In the event of failure of an active sensor, the control system switches the underfloor heating off.

## Operating Modes

- Room temperature only
- Floor temperature only

## Technical Data

|                                    |                    |
|------------------------------------|--------------------|
| Colour                             | Polar white        |
| Power supply                       | 230 V AC $\pm$ 10% |
| Rating                             | 5VA                |
| Mains switch                       | two-pole, 16A      |
| Protection category                | IP21, class I      |
| Dimensions in mm                   | 81 x 81 x 54       |
| <b>Temperature range</b>           |                    |
| Room temperature sensor            | +15°C to +45°C     |
| Floor temperature sensor           | +15°C to +30°C     |
| <b>Accuracy</b>                    |                    |
| Room/floor sensor                  | $\pm$ 1°C          |
| Switching hysteresis               | 0.75°C             |
| Type of sensor                     | NTC                |
| Length of temperature sensor cable | 3 m                |

## Approvals

- SEMKO (S), NEMKO (N), FIMKO (FI) and DEMKO (DK).
- CE Mark.

## Supply Form

Individually packed

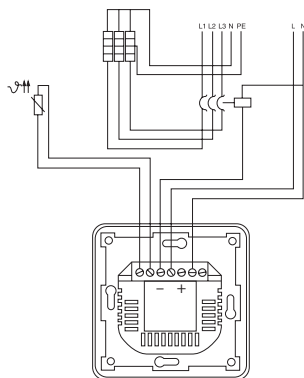
## System Information

- Floor heating mat **T2QuickNet-plus-160**
- Floor heating mat **T2QuickNet-90**
- **T2Red** – Self-regulating underfloor heating cable
- **T2Red + T2Reflecta** - Underfloor system

| Compatibility with wall boxes | Switch producer | Light switch Product range | Frame-type (two-way) | Colour & surface finish RAL Code          |
|-------------------------------|-----------------|----------------------------|----------------------|---|
|                               | MK Electric     | Steel Boxes                | 866ZIC               | Zinc coated steel                         |
|                               | Busch + Jäger   | Reflex SI                  | 25 12-2 14           | alpine white                              |
|                               | Merten          | M-smart<br>M-ARC<br>M-PLan | 4842<br>4852<br>4862 | polar white<br>polar white<br>polar white |
|                               | Jung            | A500                       | A-581WW              | alpine white                              |
|                               | Gira            | Standard                   | 2 1204               | pure white                                |

### Connecting diagram:

**Direct connection to heating or connection via power contactor**



#### Connecting terminals:

|                            |   |
|----------------------------|---|
| Power supply cable         | 2 x 2.5 mm <sup>2</sup>   |
| Output voltage             | 2 x 2.5 mm <sup>2</sup>   |
| Earthing post              | 1 x 2.5 mm <sup>2</sup>   |
| Floor sensor               | 2 x 1.5 mm <sup>2</sup>   |
| Sensor cable extendable to | 50 m using 2 x 1.5 mm <sup>2</sup><br>100 m using 2 x 1.5 mm <sup>2</sup> |

### Units External Dimensions

81 mm x 81 mm x 54 mm

### Guarantee

This product is guaranteed for a period of 1 year from date of purchase.

### General Notes

#### Telephone Consultations:

During telephone conversations our advice will always be based on the available information, our current Technical Data Sheets and known Standards and Directives. Our advice can be validated by written confirmation, which we shall be happy to provide on written request.

#### Validity of our Technical Data Sheet

All information provided on this Technical Data Sheet is based on carefully controlled trials by our Application and Development Department and the information gained during such trials and practical experience. Due to the many different possible installation conditions and conditions of use, we cannot warrant that individual data and recommendations are generally applicable. The correct building construction standards must be complied with at all times. We reserve the right to make any changes in accordance with technical advancements and for improving the product and its possible range of applications. The publication of this Technical Data Sheet invalidates all previous editions. You will find the latest information about our products on our website.

**This Product Data Sheet is no substitute for the Installation and Operating Instructions which you will find enclosed with the product.**

**We recommend that you use our service for Specifiers and our Technical Advisory Service.**

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For more information, contact your local representative.

[www.raychemfloorheating.com](http://www.raychemfloorheating.com)

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