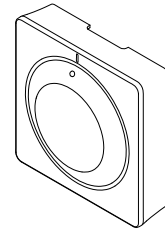


## Uponor Smatrix Wave T-165



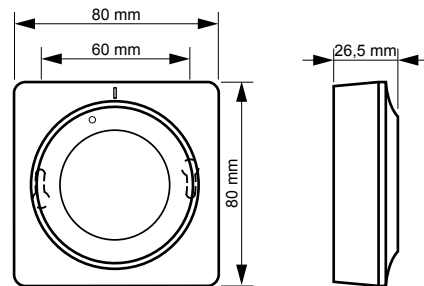
IC0000041



CD000188

The thermostat temperature settings are adjusted using the dial. Maximum/minimum temperatures can only be set using the Uponor Smatrix Pulse app (requires communication module). The 21 °C position is marked on the dial.

### Dimensions



CD0000123

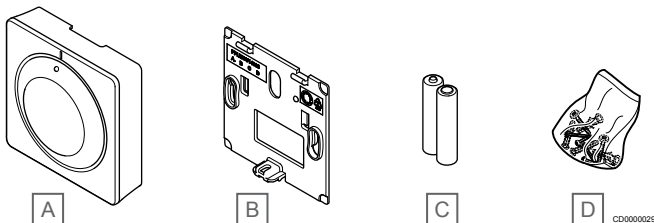
### Function

Main characteristics:

- Adjust temperature setpoint with large dial.
- LED ring indication when twisting the dial (changing temperature setpoint).
- Setpoint range is 5 – 35 °C (maximum and minimum setting may be limited by other system settings).
- LED in lower right corner indicating, for about 60 seconds, whether a heating or cooling demand exists.
- Enable or disable Comfort/ECO scheduling for the room with a dip switch on the back.
- Can be placed up to 30 meters away from the room controller.

### Components of the thermostat:

The illustration below shows the thermostat and its components.



CD0000029

Item	Description
A	Uponor Smatrix Wave T-165
B	Wall bracket
C	Batteries (AAA 1.5 V)
D	Mounting material

# Technical data

Thermostat	T-165
IP	IP20, class III (IP: degree of inaccessibility to active parts of the product and degree of water)
Max. ambient RH (relative humidity)	85% at 20 °C
CE marking	
ERP	IV
Low voltage tests	EN 60730-1* and EN 60730-2-9***
EMC (electromagnetic compatibility requirements) tests	EN 60730-1 and EN 301-489-3
ERM (electromagnetic compatibility and radio spectrum matters) tests	EN 300 220-3
Power supply	Two 1.5 V AAA alkaline batteries
Voltage	2.2 V to 3.6 V
Rated impulse voltage	0.33 kV, OVC I
Pollution degree	2
Software class	A
Operating temperature	0 °C to +45 °C
Storage temperature	-10 °C to +65 °C
Radio frequency	868.3 MHz
Radio frequency, EAC markets only	869 MHz
Transmitter duty cycle	<1%
Connection terminals	0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup>

\*) EN 60730-1 Automatic electrical controls for household and similar use -- Part 1: General requirements

\*\*) EN 60730-2-1 Automatic electrical controls for household and similar use -- Part 2-1: Particular requirements for electrical controls for electrical household appliances

\*\*\*) EN 60730-2-9 Automatic electrical controls for household and similar use -- Part 2-9: Particular requirements for temperature sensing controls

Usable in all Europe



Declaration of conformity:

We hereby declare under our own responsibility that products dealt with by these instructions satisfy all essential demands linked to the information stated in the Safety instruction booklet.

**EAC** (869 MHz only)

## Uponor Corporation

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1097173 01\_2020\_INT  
Production: Uponor/MRY

Uponor reserves the right to make changes, without prior notification, to the specification of incorporated components in line with its policy of continuous improvement and development.



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