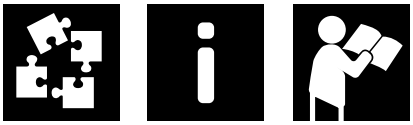
Uponor Smatrix Wave T-163



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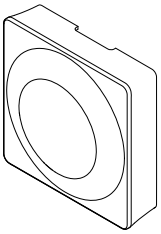

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The thermostat is designed for public locations which means that the dial is hidden. It must be removed from the wall to set the temperature. When removed, an alarm is triggered (if activated).

The thermostat can be registered as a system device, enabling extra functions. When functioning as a system device, the internal room sensor is disabled.

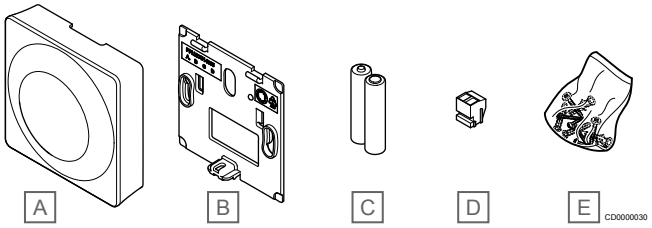
Function

Main characteristics:

- Adjust setpoint temperature with a potentiometer on the back of the thermostat.
- Setpoint range is 5 – 35 °C (maximum and minimum setting may be limited by other system settings).
- Alarm is indicated on the room controller if removed from wall for tamper detection. Using the Uponor Smatrix Pulse app (requires communication module), the alarm will be displayed in the app as well.
- Dry contact input for switching operation modes between heating and cooling, if registered as a system device.
- Dry contact input for forced ECO mode of operation, if registered as a system device.
- Optional floor temperature sensor can be connected to the thermostat. Floor temperature limitation settings (maximum and minimum) are only available using the Uponor Smatrix Pulse app (requires communication module). Otherwise system defaults are used to limitation.
- Optional outdoor temperature sensor can be registered as either standard thermostat or system device.
- Dip switch for selecting between function or sensor mode of operation.
- 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.



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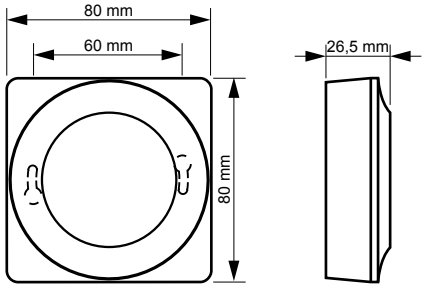
Item	Description
A	Uponor Smatrix Wave T-163
B	Wall bracket
C	Batteries (AAA 1.5 V)
D	Connection terminal
E	Mounting material

Dimensions



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Technical data

Thermostat	T-163
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 mm² to 2.5 mm²

*) 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	CE

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

Äyritie 20

01510 Vantaa, Finland

1097172 01_2020_INT
Production: Uponor/MRY

www.uponor.com