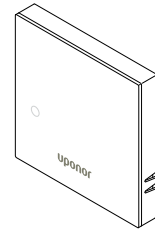# Uponor Smatrix Wave T-161

IC0000041

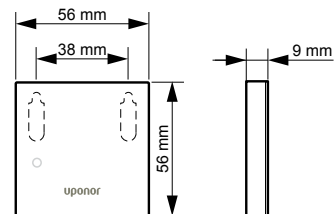CD0000185

The sensor thermostat is designed to be as small as possible, and still able to control the room temperature.
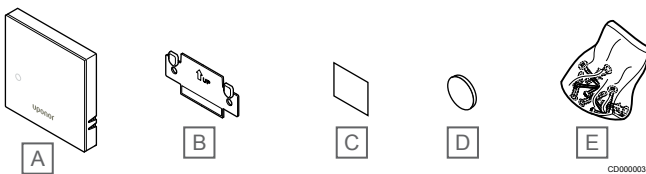
Function

Main characteristics:

- Operative sensor for increased comfort.
- Adjust setpoint temperature via the Uponor Smatrix Pulse app (requires communication module).
- Setpoint range is 5 – 35 °C (maximum and minimum setting may be limited by other system settings).
- 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.
- Relative humidity limit indicated in the Uponor Smatrix Pulse app (requires communication module).
- 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.

CD0000031

Item	Description
A	Uponor Smatrix Wave T-161
B	Wall bracket
C	Adhesive tape
D	Battery (CR2032 3V)
E	Mounting material

Dimensions

56 mm
38 mm
9 mm
56 mm

CD0000121

Technical data

Thermostat	T-161
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	1 x CR2032 3V
Voltage	2.4 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	0.25 mm² to 0.75 mm² solid, or 0.34 mm² to 0.5 mm² flexible with ferrules

*) 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 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.

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