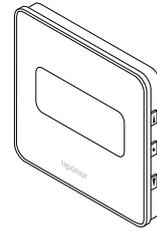# Uponor Smatrix Base T-149

IC0000041

CD0000189

The thermostat shows the ambient, set temperature, or relative humidity on the display. Temperature settings are adjusted using ▲/▼ buttons on the side of the thermostat.
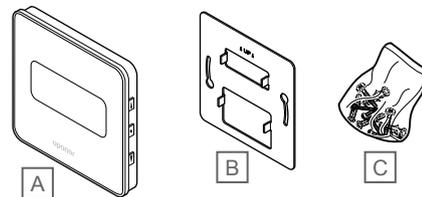
Function

Main characteristics:

- Power saving e-paper display (updates every 10 minutes).
- Displays Celsius or Fahrenheit.
- Operative sensor for increased comfort.
- Calibration of displayed room temperature.
- Heating/cooling demand on display.
- Displays Uponor logo and software version during power up sequence.
- Setpoint range is 5 – 35 °C (maximum and minimum setting may be limited by other system settings).
- Room temperature regulation with use of optional external temperature sensors.
- Displays optional temperature sensor values if sensors are connected and relevant room temperature regulation is activated.
- Switch between Comfort and ECO mode with scheduling (requires Uponor Smatrix PULSE app).
- Adjust ECO setback value.
- Relative humidity limit alarm indicated in display (requires communication module).
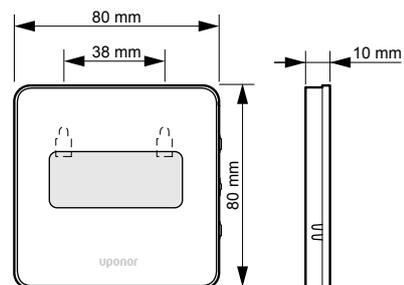- Invert display color.

Components of the thermostat:

The illustration below shows the thermostat and its components.

CD0000139

Item	Description
A	Uponor Smatrix Base T-149
B	Metal wall bracket
C	Mounting material

Dimensions

CD0000156

Technical data

Thermostat	T-149
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
Power supply	From room controller
Voltage	4.5 V to 5.5 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 +70 °C
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	C E

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.

ЕAC