Uponor Smatrix Wave M-161
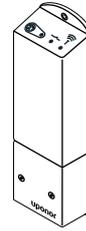
IC0000041

CD0000174
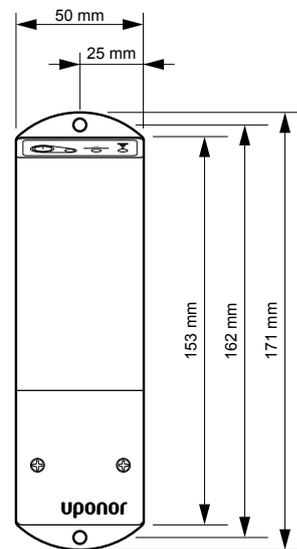
The relay module adds two extra output relays to the system.
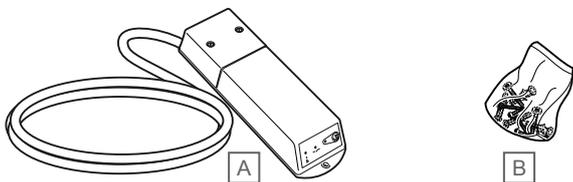
Function

Main characteristics:

- Potential free contacts (230 V AC, 5 A).
- Requires an Uponor Smatrix Wave room controller.
- Pump control and heating/cooling output function.
- Pump and dehumidifier control function (requires communication module and Uponor Smatrix Pulse app).
- Boiler and chiller control function (requires communication module and Uponor Smatrix Pulse app).
- Comfort/ECO and ventilation control function (requires communication module and Uponor Smatrix Pulse app).
- Fan coil control (requires communication module and Uponor Smatrix Pulse app for the fan coil to be linked to a room channel).
- Optional two stage cooling function (requires activation on the relay module, and the communication module).
- Can be placed up to 30 meters away from the room controller.

Dimensions

50 mm
25 mm
153 mm
162 mm
171 mm

CD0000195

Components of the relay module:

The illustration below shows the relay module and its components.

A   B   CD0000034

Item	Description
A	Uponor Smatrix Wave M-161
B	Mounting material

Technical data

Relay module	M-161
IP	IP20, class II (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 60730-2-1**
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	230 V AC +10/-15%, 50 Hz or 60 Hz
Pollution degree	2
Software class	A
Operating temperature	0 °C to +50 °C
Storage temperature	-20 °C to +70 °C
Maximum consumption	2 W
Radio frequency	868.3 MHz
Radio frequency, EAC markets only	869 MHz
Transmitter duty cycle	<1%
Relay outputs	230 V AC +10/-15%, 250 V AC 2.5 A maximum Micro gap, normally open
Power connection	1 m flexible cord, with europlug (except UK), which is connected to the relay module
Connection terminals	Up to 4.0 mm² solid, or 2.5 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)