

## Uponor Smatrix Base PRO gateway module R-147 KNX

### 1087164

- connects a Uponor Smatrix Base PRO controller X-147 with a BMS or third-party KNX devices
- power supply: 230VAC (+10%/-15%) / 50/60Hz
- internal fuse: T5 F3.15AL 250V, 5x20 3.15A quick acting
- operating temperature: 0°C ... +45°C
- storage temperature: -20°C ... +70°C
- max. consumption: 45W
- power connection: 1m cable with europlug
- connection terminals for system bus: 0.2mm<sup>2</sup> ... 1.5mm<sup>2</sup>
- protection class: IP20 II

#### - Functions:

- room temperature from Uponor Base or third-party KNX thermostats
- room setpoint from Uponor Base or third-party KNX thermostats
- room relative humidity from Uponor Base or third-party KNX thermostats
- room floor temperature from Uponor Base or third-party KNX thermostats
- actuator status from Uponor Base or third-party KNX system
- forced ECO from Uponor Base PRO or third-party KNX system
- pump output from Uponor Base or third-party KNX system
- boiler output from Uponor Base or third-party KNX system
- heating/cooling curve settings/circuit from Uponor Move PRO to BMS or vice versa
- heating/cooling modes from Uponor Base PRO to BMS or vice versa

#### - Consisting of:

- gateway module R-147 KNX
- power supply
- mounting material (2 screws and 2 wall plugs)
- quick guide



## Application information Uponor Smatrix Base PRO gateway module R-147 KNX

### Specification

- autobalancing optimizing energy use and comfort
- up to 6 room thermostats and 8 actuators (24V) per controller; 6 channel expansion module option (with M-140)
- pump and boiler relays
- valve and pump exercise

Smatrix Base Pro controller X-147 with optional touch screen I-147 and KNX option

- up to 16 controller in one system
- daisy chain wiring or star wiring (with M-141)
- optional: display of controller information and settings (with I-147)
- optional: BMS integration via KNX interface (with R-147 and I-147)

Comfort settings comprises (with I-147)

- temperature setback programs for each channel
- max/min temperature limitations and relative humidity control
- holiday settings and automatic summer/winter change
- room bypass function
- advance cooling settings and automatic summer/winter change
- trend visualization (set point vs. room temperature, etc.)
- accessories configuration
- room check function and system diagnostic

Smatrix Base Pro controller X-148 ModBus RTU

Read data points

- temperature: outdoor / room / floor
- humidity level
- status of: actuator / pump / boiler / general purpose input (GPI)
- connection status of thermostat
- dynamic heat curve offset in integrated heat pump

Read and write data points

- room setpoint
- min/max levels for: setpoint / floor temperature
- settings: comfort/eco and autobalancing on/off
- heating/cooling: state / offset
- cooling not allowed for a room
- integrated heat pump defrost state

### Application

- wired room temperature control for radiant heating and cooling
- set point range: +5°C ... +35°C

### Certification

- CE, EAC

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### Product code

Item no EAN	4021598149403
Item no GF	35001087164
Item no GTIN	04021598149403
Item no LVI	2025241
Item no NRF	8361094
Item no RSK	2987826
Item no VVS	466258030

### Dimensions

Item Unit Height	60
Item Unit Length	17.5
Item Unit Weight	0,088
Item Unit Width	90
Item_UOM	pce

### Measurements

LENGTH_L	17,5
Z Measurement h	60
Z Measurement w	90

### Packaging

Packaging GTIN PL1	06414905440597
Packaging Height PL1	40
Packaging Length PL1	165
Packaging Quantity PL1	1
Packaging Type PL1	Base_Box
Packaging Volume PL1	0,001617
Packaging Weight PL1	0,188
Packaging Width PL1	245

## Documents

Page with all documents



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