## 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: 0.2mm² ... 1.5mm²
- protection class: IP20 II

Functions:
- room temperatur 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 temperatur from Uponor Base or third-party KNX thermostats
- actuator status from Uponor Base or third-party KNX system
- foreced 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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### Documents

Page with all documents