Product data sheet



GF 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 GF 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

GF Uponor Smatrix Base PRO gateway module R-147 KNX

1087164



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

Excellence in Flow

Visit our webpage to get in contact with your local specialist:
www.georgfischer.com/locations



Uponor Corporation

Ilmalantori 4
00240, Helsinki
Finland

T +358 (0)20 129 211
E communications@georgfischer.com

www.uponor.com

+GF+