

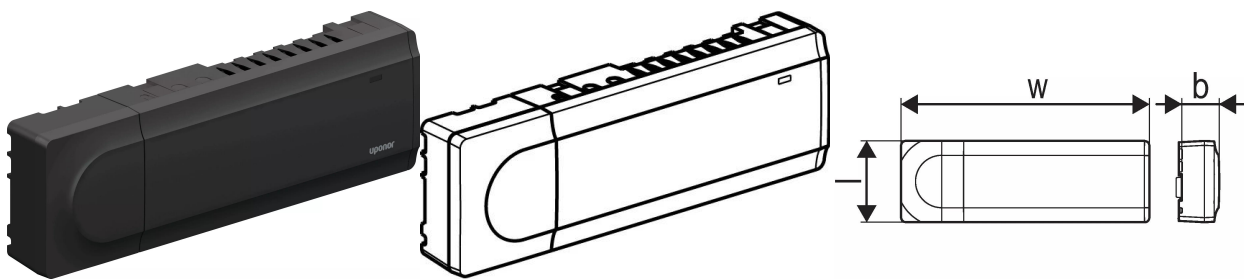
Uponor Smatrix Base PRO controller X-148 Modbus RTU

1120013

- suited for Modbus RTU systems
- supports up to 6 room thermostats and 8 actuators with option to extend to 12 room thermostats and 14 actuators (with 1071686)
- contains data points for heat pump integration
- max. power input per actuator: 24VAC / 0.2A (0.4A peak)
- protection class: Class II IP20

Consisting of:

- Uponor Smatrix Base PRO controller X-148 Modbus RTU
- quick guide, security instructions
- DIN rail (length: 37cm)
- mounting material



About Uponor Smatrix Base PRO controller X-148 Modbus RTU

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

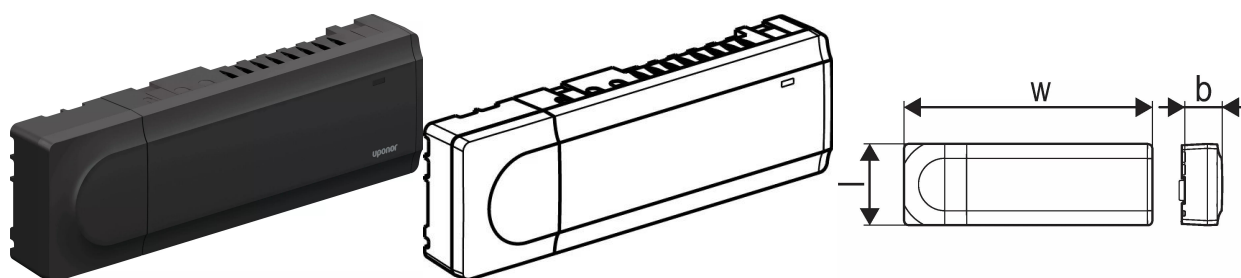
- wired room temperature control for radiant heating and cooling
- set point range: +5°C ... +35°C

Certification

- CE, EAC

Uponor Smatrix Base PRO controller X-148 Modbus RTU

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Technical data

Item no EAN	6414905631094
Item no GTIN	06414905631094
Item no VVS	466258012
RSK no.	2988993
Item no NRF	8361402
Item no LVI	2022164
Item (unit of measurement)	pce
Length (l)	336 mm
Z-measurement h	55 mm
Z-measurement w	110 mm
Packaging Quantity 1	1
Packaging Quantity 4	4
Packaging Quantity 96	96
Packaging GTIN PL1	06414905631100
Packaging GTIN PL2	06414905631117
Packaging GTIN PL4	06414905631124
Item Unit Length	336
Item Unit Height	55
Item Unit Weight	1,474
Item Unit Width	110

Technical documents

Download documents here

UK

T +44 (0)1923 927000
E enquiries.uk@uponor.com

www.uponor.com/en-gb