

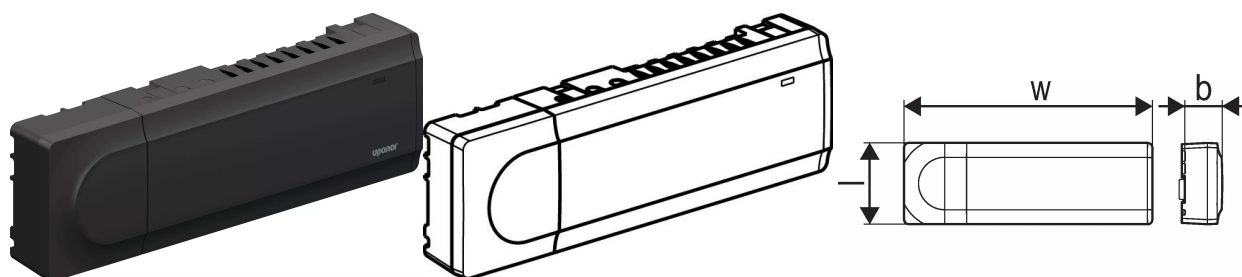
Uponor Smatrix Base PRO controller X-148 Modbus RTU

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

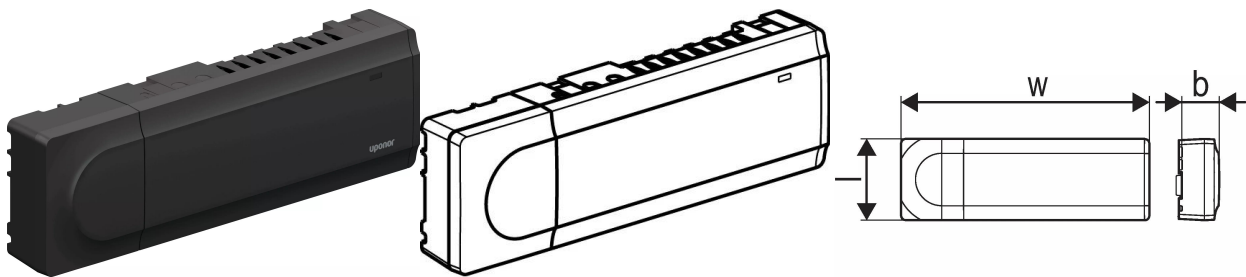
- wired room temperature control for radiant heating and cooling
- set point range: +5°C ... +35°C

Certification

- CE, EAC

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Technical data

Item (unit of measurement)	pce
Item no VVS	466258012
Item no LVI	2022164
Item no NRF	8361402
Length (l)	336 mm
Z-measurement h	55 mm
Z-measurement w	110 mm
Packaging Quantity PL1	1
Packaging Quantity PL2	4
Packaging Quantity PL4	96

Technical documents

Download documents here 

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