

product catalog

# evoSYSTEM

an intelligent way  
to manage energy





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# **we are a manufacturer of electronics for intelligent energy management in HVAC systems**

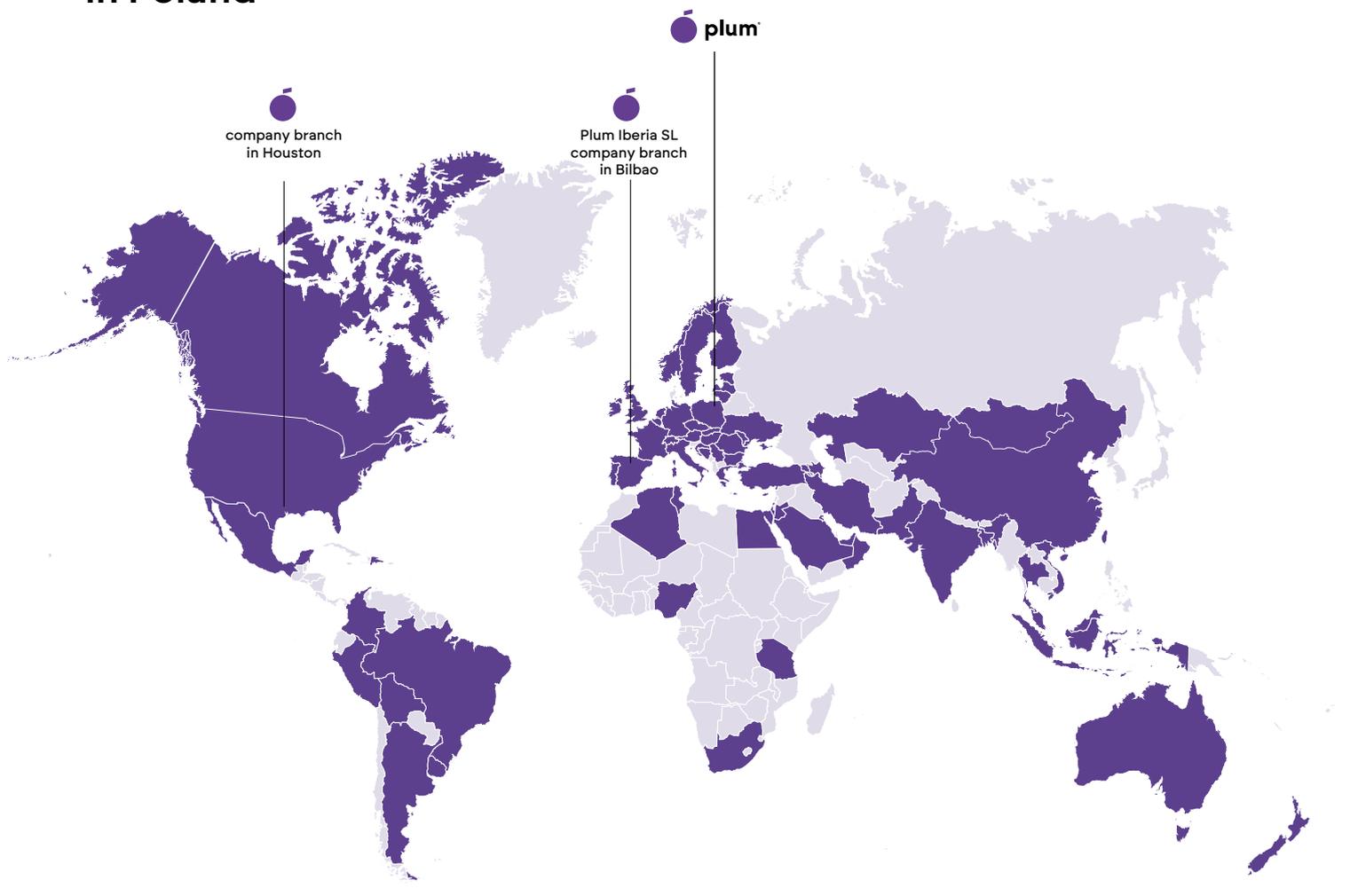
We produce controllers for heat pumps, boilers, ventilation, and floor heating.

We manufacture our products in Poland. By producing locally, we can ensure quality control and reliable delivery of our product. We design competitive and interoperable devices that can work with devices from other suppliers.





**manufactured  
in Poland**



# Discover **evoSYSTEM** an intelligent and dynamic way to manage energy!



manage energy intelligently  
with HEMS Dynamics



reduce operating costs  
with HEMS Hybrid



remotely manage installation  
and service via ecoNET Cloud

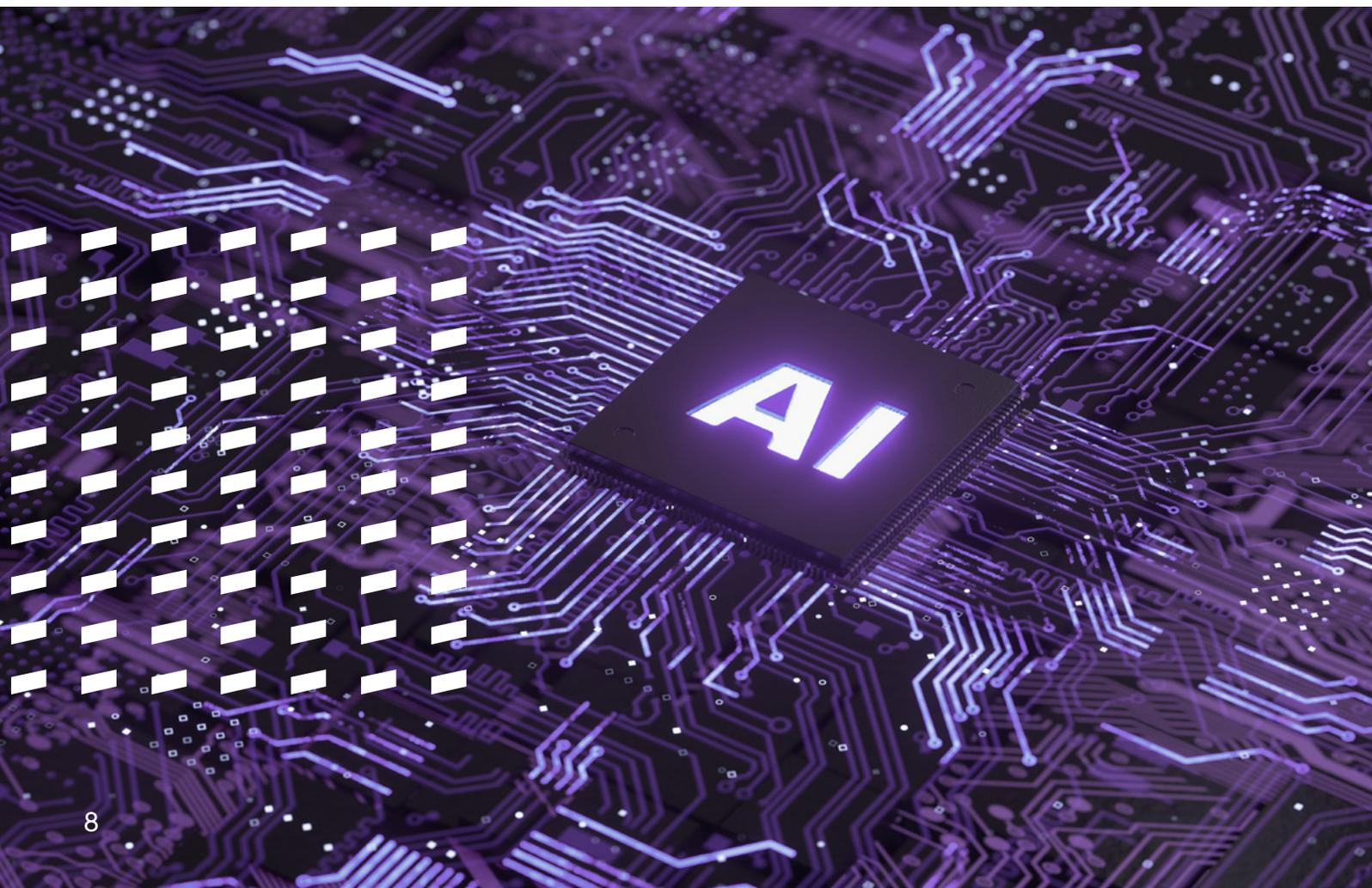


# Install the future.

# evoINTELLIGENCE

## AI-powered energy management

Our system, based on proprietary AI algorithms – 100% designed and developed in Poland by Plum specialists – analyzes weather forecasts, electricity market prices, and occupant preferences in real time to make data-driven decisions every second.



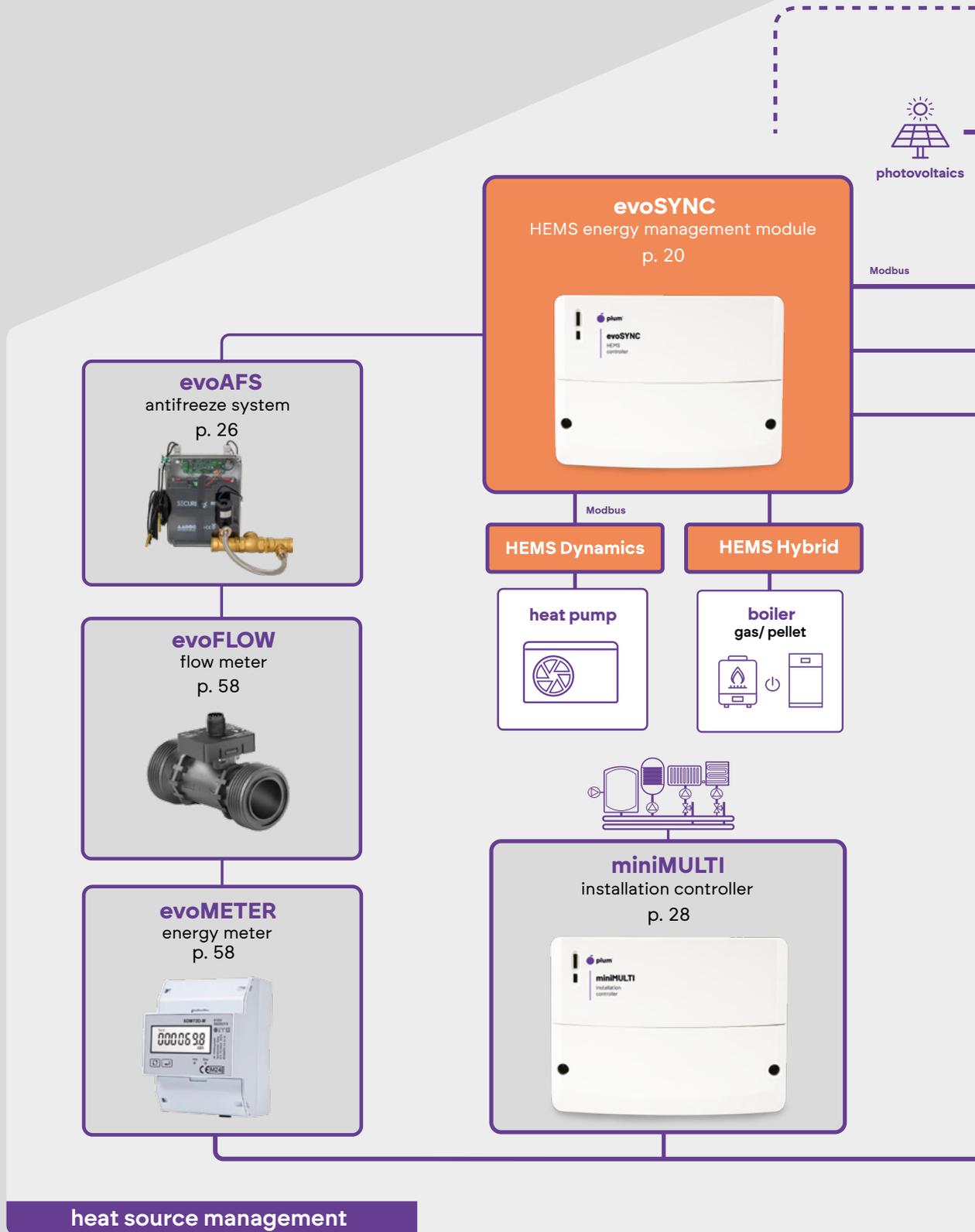


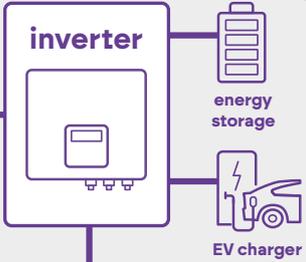
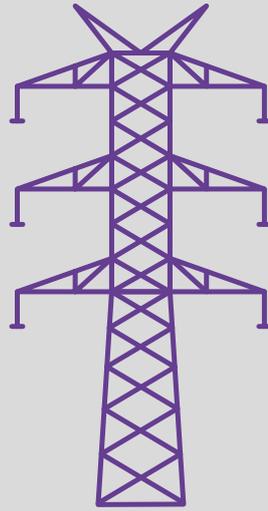
The result? Photovoltaics, heat pump, and energy storage work in perfect harmony, automatically selecting the most advantageous energy scenario of the day to ensure maximum comfort and lowest bills. Maintenance-free and secure – 100% automation and full control over data thanks to Polish technology you can trust.

**This is the technology  
of the future,  
already in use today.**

# evoSYSTEM

integrate all HVAC devices into one system!





**evoTOUCH**  
control panel

**ecoNET Cloud**  
internet-based system  
pp. 18-19



**xTHERM**  
wireless thermostats  
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**xTHERM**  
wired thermostats  
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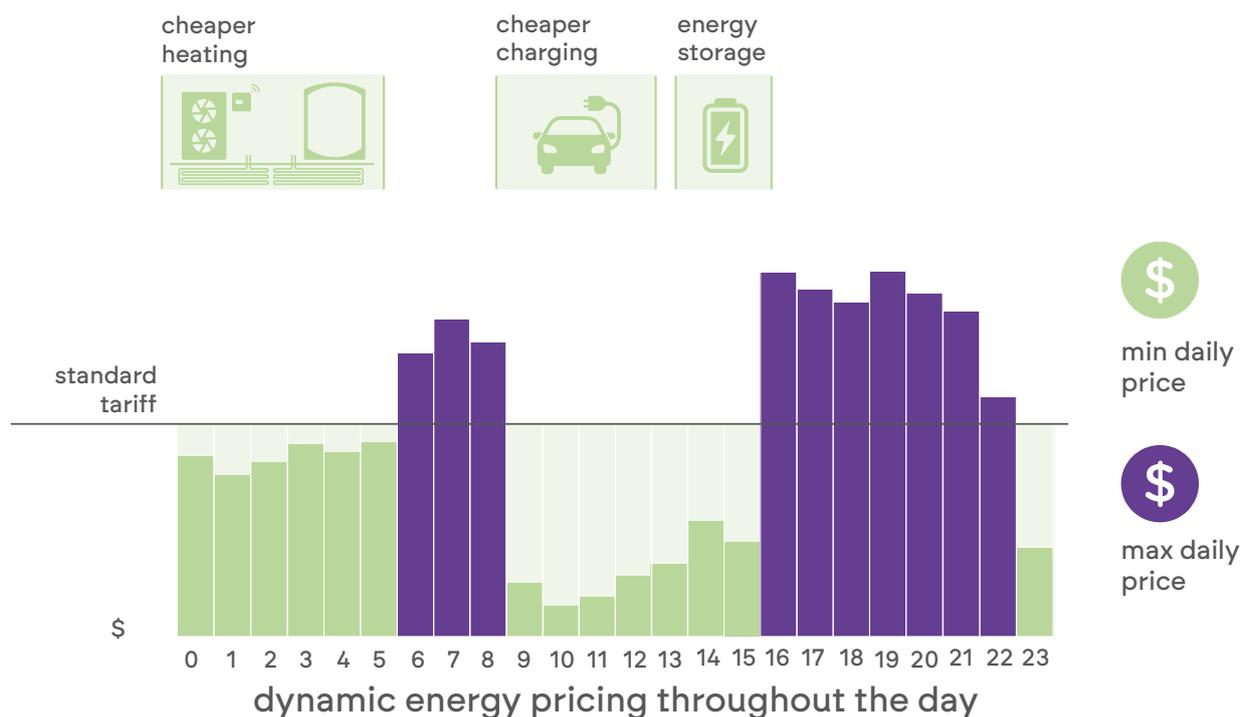
**evoFLOOR**  
underfloor heating controllers  
p. 34

**hydraulic system management**

# HEMS Dynamics

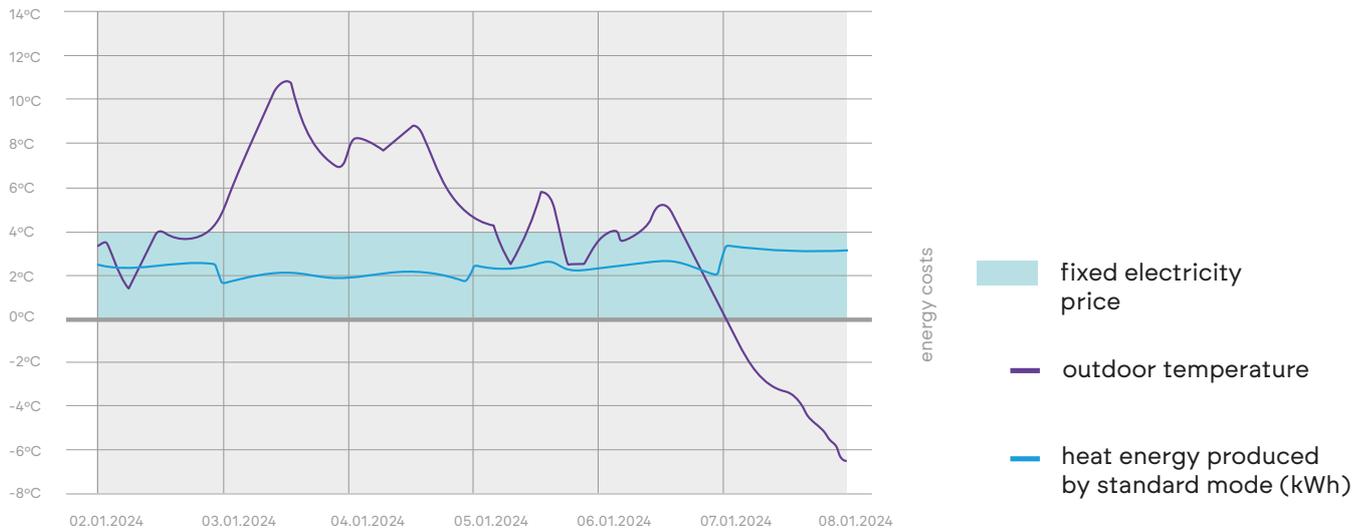
## an intelligent energy management algorithm

- heating and cooling with a heat pump at the lowest energy prices
- storing heat in the buffer tank and DHW – 4x higher efficiency
- ability to charge electric vehicles when energy is cheapest
- using dynamic tariffs and real-time price analysis
- maximizing PV energy self-consumption

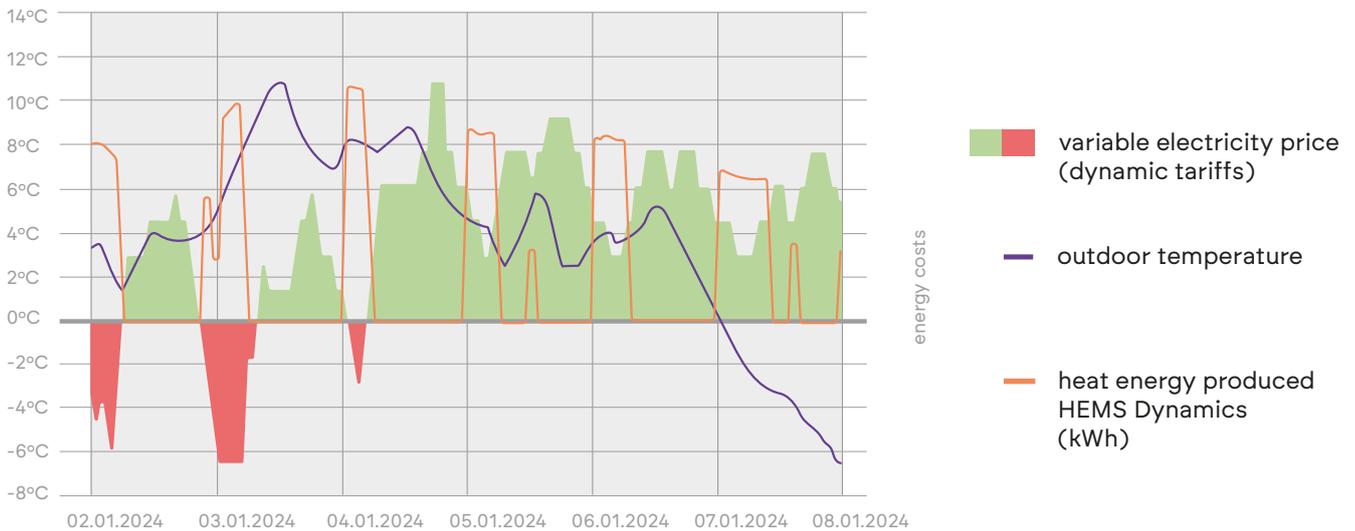


# energy consumption of a house with a heat pump

fixed energy tariff



taryfa dynamiczna z evoSYNC



## savings up **25%** thanks to HEMS Dynamics

- automatic activation of the heat pump during hours when electricity is cheaper or free
- storing thermal energy in a buffer tank, domestic hot water tank, or underfloor heating system; using the stored energy during peak electricity price hours

# HEMS Hybrid

**a control algorithm for a hybrid system  
consisting of a heat pump and a gas boiler**

- the system automatically selects the most cost-effective heat source
- optimize energy consumption and achieve maximum system efficiency  
use a smaller heat pump and benefit from lower investment costs
- create a flexible hybrid system combining a heat pump and a gas boiler  
use the boiler when it's economically viable or as a backup heat source





- reduce operating costs with HEMS Hybrid
- analyze heat pump efficiency and gas costs, and automatically choose the most cost-effective energy source at any given time

# simplicity for Installers

installer work comfort  
and greater service efficiency



## **Save time and costs**

Remote monitoring of the heat pump allows for quick diagnostics without the need to visit the customer. Fewer trips mean lower fuel costs and more time for other jobs.



## **Reduce the number of control visits**

Thanks to real-time monitoring, you can detect potential issues earlier and prepare for the visit - or avoid it entirely if everything is working properly.



## **Increase work efficiency**

Shorter service interventions and better daily planning mean real time savings. The system gives you full control over the installations you manage.



## **Offer modern customer service**

Providing users with remote support is not only convenient for them, but also a way to distinguish yourself through professionalism.



## **Build relations and trust**

Quick response to service requests, precise diagnostics, and effective remote assistance build your image as an expert. Customers will appreciate the care and return with more work.



# ecoNET Cloud

one app to manage  
the entire system:

- heat pump
- photovoltaics
- ventilation system
- underfloor heating

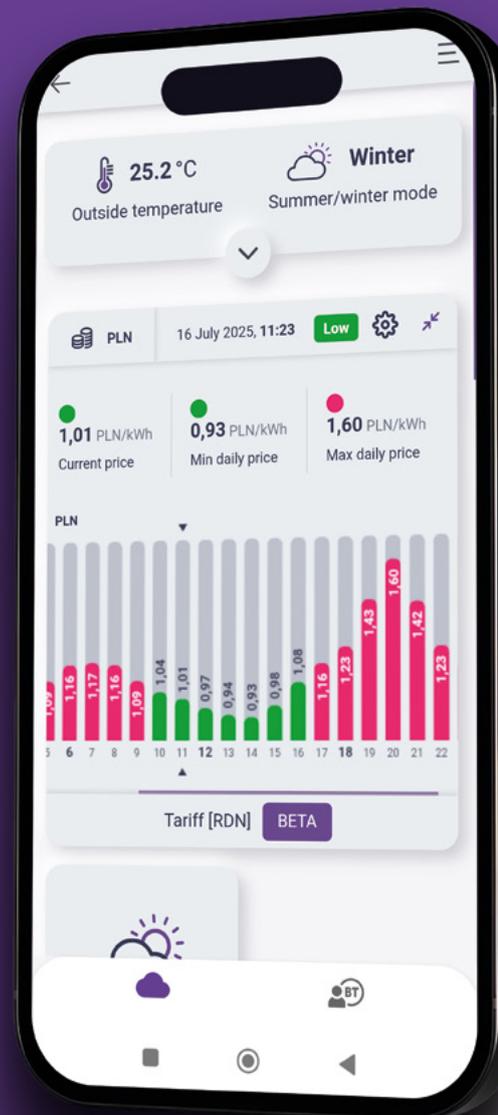
scan the QR code  
and download the ecoNET Cloud app  
to your device



Google Play

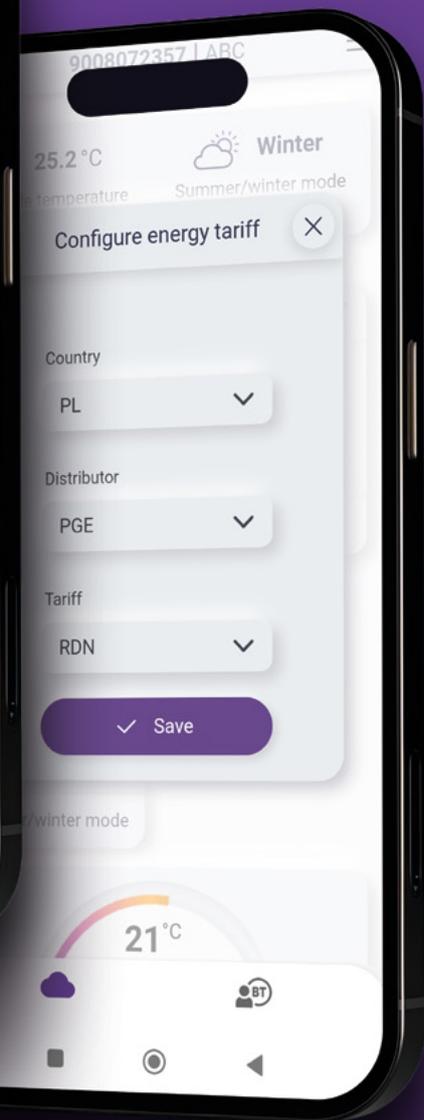


App Store





# ecoNET



## system benefits:

- internet-based system for remote energy management, operation, and servicing of HVAC installations
- a simple tool for managing user installations with an intuitive interface
- access to installations 24/7 from anywhere in the world
- remote troubleshooting of heat pump settings, parameter editing, and software updates
- convenient real-time overview of all alarms and notifications from all installations in one place, data is stored for 12 months
- installation logbook for service technicians and installers

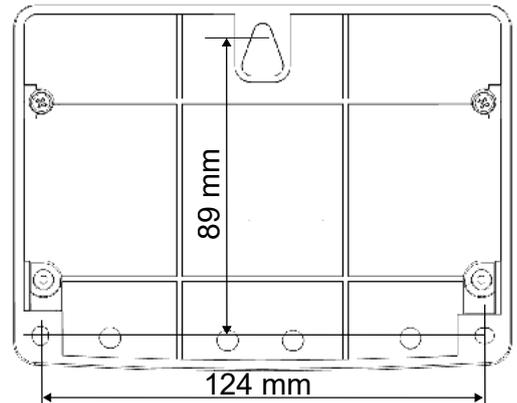
# evoSYNC

HEMS energy management module

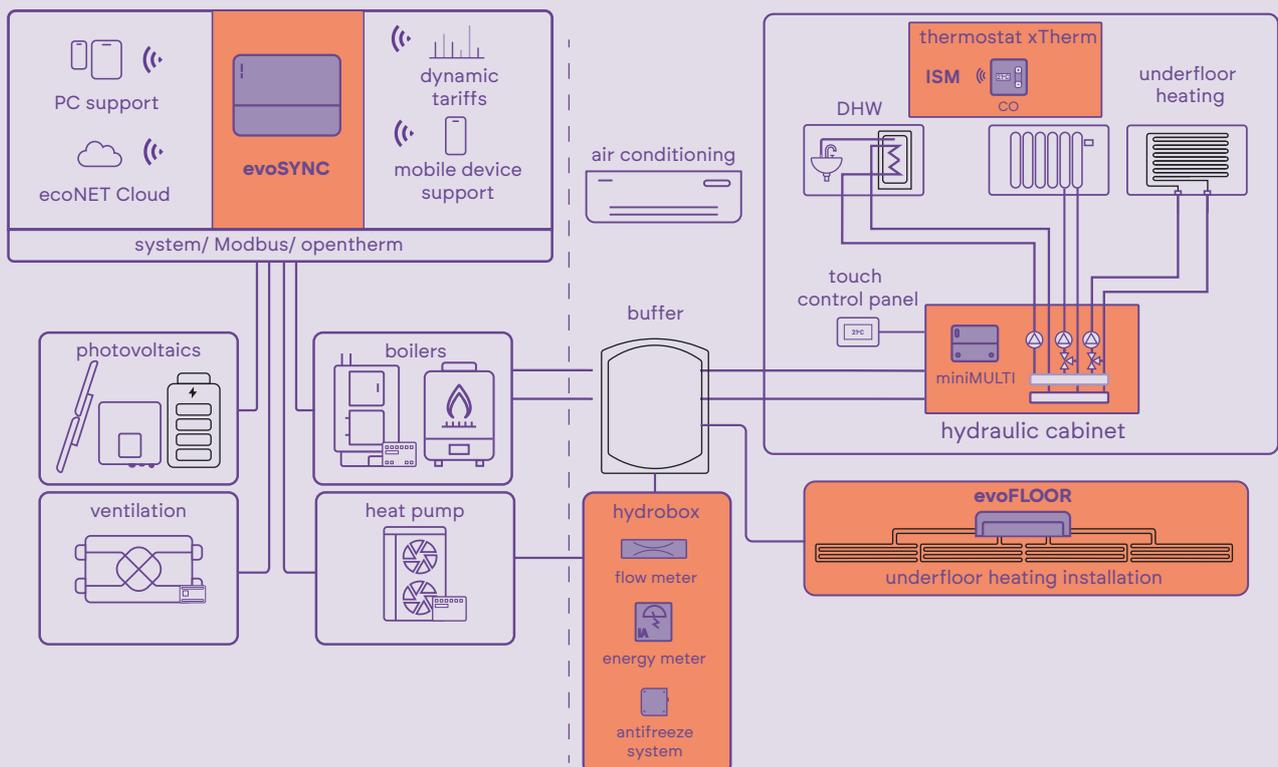


product code	ZX EVOSYNC
EAN	5900805755004

## device dimensions



see the operating and installation manual





## about the evoSYNC energy management module

An intelligent management module that dynamically adjusts the operation of devices to maximize savings and system efficiency, using data on current energy prices, outdoor temperature, and device operating parameters.

## technical data

<b>power supply</b>	12 VDC, 3W
<b>protection degree</b>	IP 20
<b>operating temperature</b>	0...50°C
<b>storage temperature</b>	-25... +60°C
<b>relative humidity</b>	5...85%, non-condensing
<b>communication</b>	1 x RS485 (Modbus RTU), WIFI 2400...2483,5 GHz, IEEE 802.11 B/G/N standard with web service and mobile app, BT v4.2 LE with mobile app, ISM band 865... 868 MHz with xTHERM 60RBD wireless thermostat
<b>external dimensions</b>	140 x 105 x 44 mm
<b>installation</b>	wall-mounting
<b>included accessories</b>	2 x CT10 temperature sensors (3 m), CT10-P weather sensor, communication cable, power supply unit



use dynamic tariffs, analyze energy prices in real time, and automatically activate the heat pump during hours when energy is cheapest or even free



store thermal energy in the buffer tank, domestic hot water tank, and underfloor heating system, and use the stored energy during hours when prices are high



integrate the system with a photovoltaic (PV) installation to maximize self-consumption of solar energy and minimize the amount of energy fed back into the grid



charge electric vehicles during hours when energy is cheapest

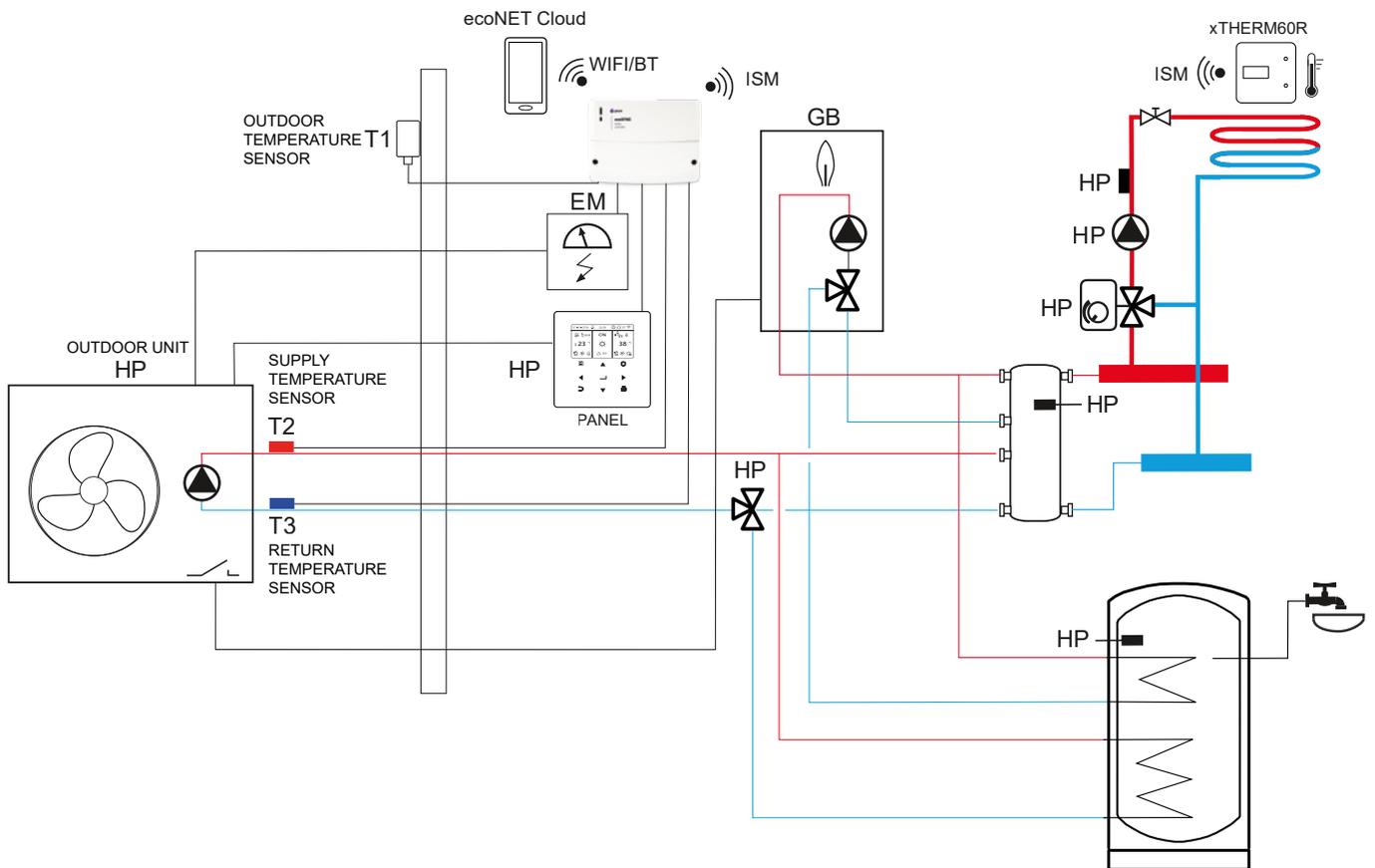


automatically analyze the efficiency and cost of heating with a heat pump and a gas boiler- always use the most cost-effective energy source





sample  
hydraulic diagram

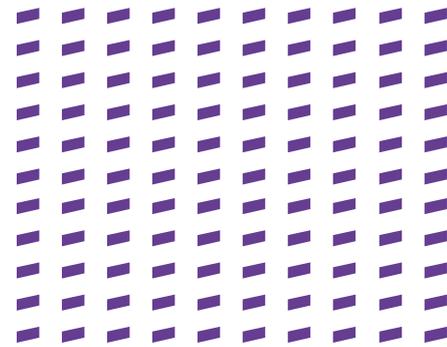


# evoAFS

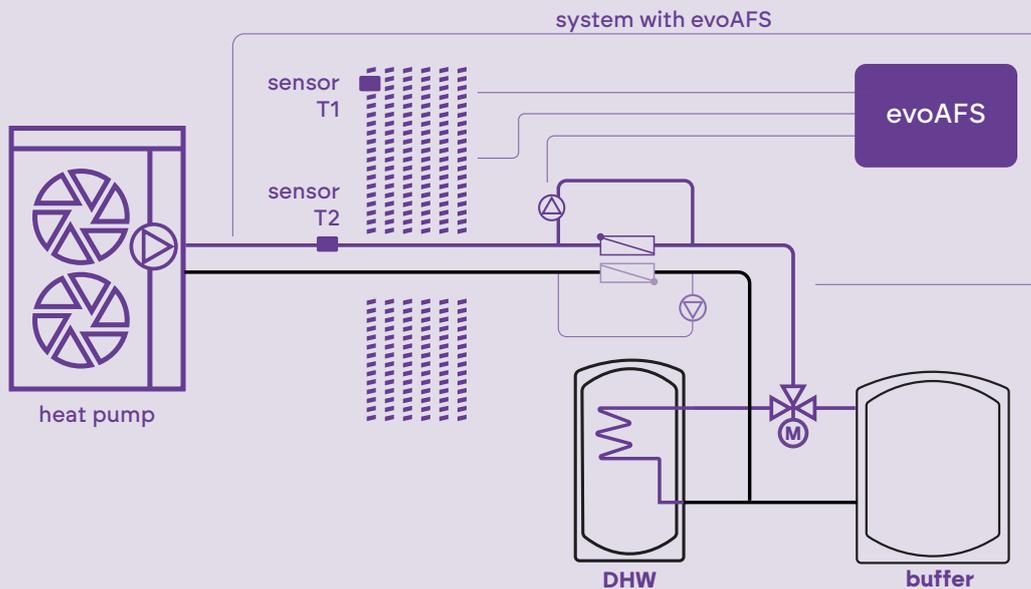
antifreeze  
system



	EVOAFS	EVOAFS DN32	EVOAFS DN40
product code	ZXEVOAFS	ZXEVOAFS DN32	ZXEVOAFS DN40
EAN	5904988134328		



## sample hydraulic diagram





## evoAFS features

- anti-freeze protection for the heat pump condenser
- indication of correct system connection
- audible alarm signaling
- prevention of bypass pump stagnation
- optimal battery charging algorithm
- detection of bypass pump alarm states
- bypass pump activation based on outdoor temperature
- electronic system self-diagnostics
- detection of excessive battery discharge
- possibility of installation on both supply and return lines

## about the evoAFS system

A kit designed for emergency water circulation in monoblock heat pump systems. It provides protection against freezing of water inside the heat pump in case of a power outage, system shutdown (e.g. due to a flow error), or activation of overcurrent protection mechanisms.

## technical data

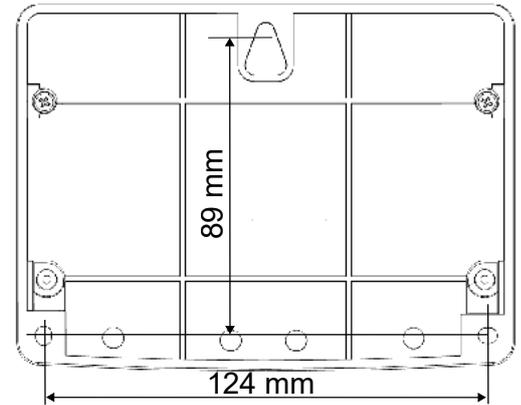
<b>housing</b>	plastic
<b>dimensions</b>	248 x 196 x 96 mm
<b>weight</b>	5,5 kg
<b>battery capacity</b>	18 Ah
<b>permissible ambient temperature range</b>	-20... +60°C
<b>optimal ambient temperature</b>	25°C, +/- 5°C
<b>operating time in water circulation backup mode</b>	up to 48 hours
<b>temperature sensor (CT10) measurement range</b>	-40... +60°C, +/- 2°C
<b>optional equipment versions</b>	DN25, DN32, DN40
<b>connection hose</b>	1/2"
<b>T-connector fittings</b>	1" internal thread, 1 1/2" internal thread, 1 1/4" internal thread
<b>included accessories</b>	2 x CT10 temperature sensors (3 m), controller, battery, power supply, circulation/bypass pump with a set of mounting fittings

# miniMULTI

installation  
controller

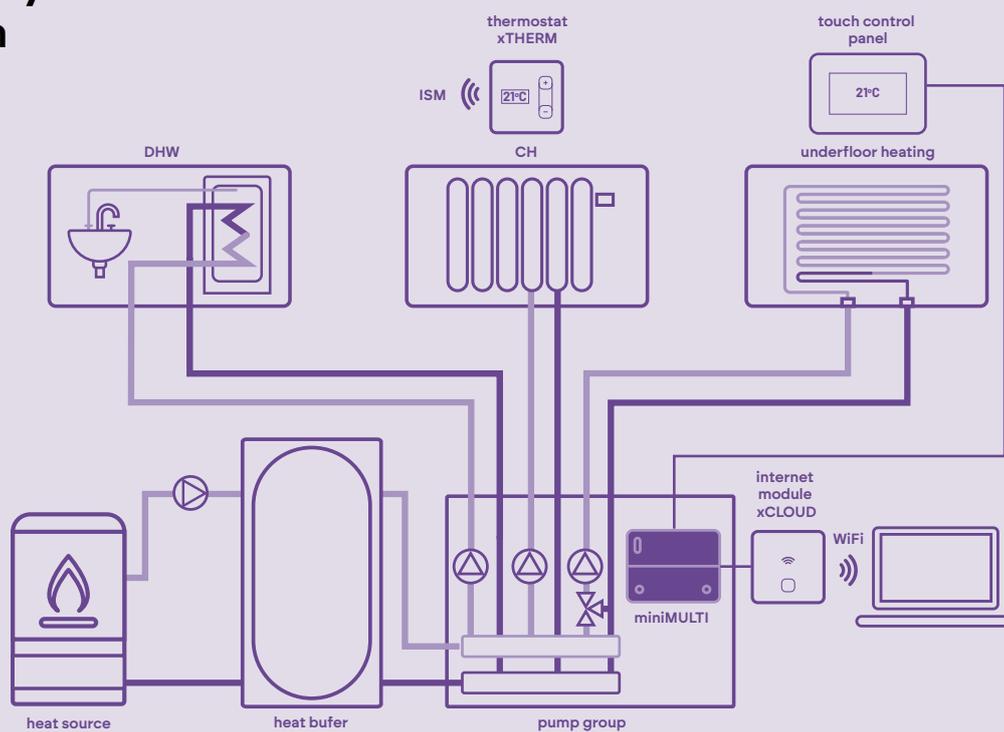


## device dimensions



	miniMULTI installation controller	expansion module for the miniMULTI controller
product code	ZX MINIMULTI_MODUL_A	ZX MINIMULTI_MODUL_B
EAN	5900805755103	5900805755110

## sample hydraulic diagram





## miniMULTI features:

- installation assistant
- support for up to 2 heating circuits
- domestic hot water (DHW) management
- weather-based control
- easy remote software updates
- option to connect to an online system
- possibility to add a control panel
- 3 operating modes (auto/eco/comfort)
- anti-legionella – thermal disinfection
- weather-compensated control

## about miniMULTI controller

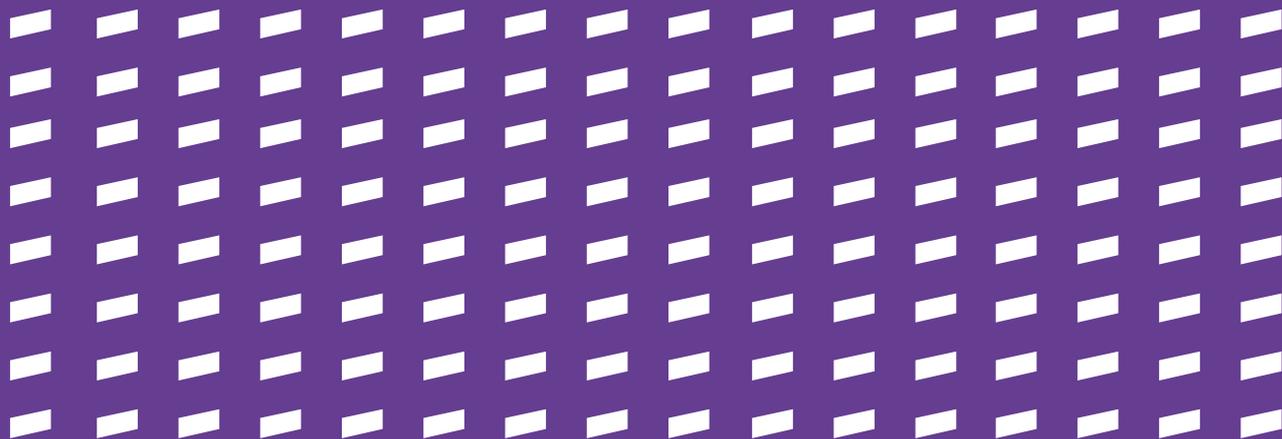
Installation controller for simple mixing systems and hybrid setups, supporting: heat pump, gas boiler, electric boiler, basic mixing circuits, and domestic hot water (DHW).

## technical data

<b>dimensions</b>	140 x 105 x 44 mm
<b>power supply</b>	~230 V, 50 Hz, 4 A
<b>current consumption</b>	40 mA
<b>maximum rated current</b>	4(4) A
<b>protection degree</b>	IP 20
<b>operating</b>	min. 0 °C, max. 40 °C, 5 - 85% RH, non-condensing
<b>storage temperature</b>	min. -25 °C, max. +60 °C
<b>communication</b>	RS485
<b>temperature measurement range (CT10 sensors)</b>	min. 0 °C, max. 100 °C
<b>temperature measurement range (CT10-P sensor)</b>	min. -40 °C, max. +40 °C
<b>temperature measurement accuracy (CT10 and CT10-P sensors)</b>	±2 °C
<b>mounting method</b>	independently mounted on a flat surface
<b>accessories</b>	evoSYNC, ecoNET Cloud app, xCLOUD, xTHERM TOUCH, temperature sensors



# controllers for precise regulation of underfloor heating



Choose a solution  
tailored to your needs:



## evoFLOOR

an intelligent version with Bluetooth  
communication and a wireless module:

- ▮ full functionality in a compact and ergonomic design
- ▮ configuration via the ecoNET Cloud app
- ▮ installer assistant with zone testing and automatic sensor detection
- ▮ integration with the evoSYSTEM energy management system



## evoFLOOR X

the simplest manifold on the market:

- ▮ a quick and easy solution for property development projects
- ▮ compatible with xTHERM 60U thermostats
- ▮ works without an app, without pairing, and without the risk of incorrect configuration



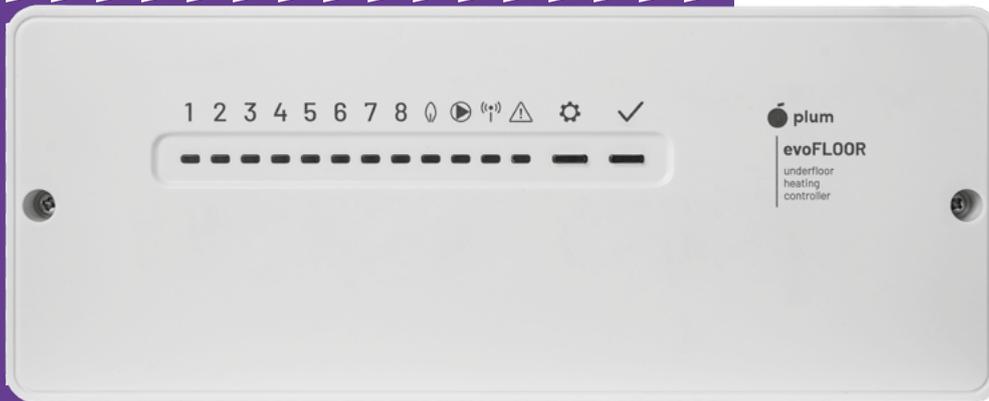
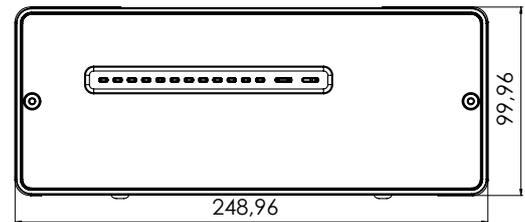
## xFLOOR

- ▮ combining wired and wireless thermostats in one system:
- ▮ ideal for modernized and expanded installations

# evoFLOOR

underfloor heating  
controller

## device dimensions



product code	ZXEVOFLOOR
EAN	5900805755271

## features of the evoFLOOR underfloor heating controller:

- supports up to 8 heating zones, expandable to 32
- works with TTO 230V actuators, NC/NO type
- wireless/wired connection of room thermostats xTHERM60RD, xTHERM60RBD, xTHERM60P and room temperature sensors xTHERM30R, optional wired connection of the evoTOUCH room panel
- control of the heat source and the manifold circulation pump
- configuration and operation via BT/Wi-Fi using the mobile app and web interface
- LED operation indicators and configuration via function buttons
- heating/cooling mode and support for dew point sensor contact
- easy cable installation with detachable screw terminals and cable strain relief



## about underfloor heating controller evoFLOOR

The evoFLOOR wireless/wired controller regulates the temperature in 8 heating zones by controlling TTO 230V thermal actuators. The controller allows wireless/wired connection of thermostats, room panels, and room temperature sensors. Thermostats, room panels, and the ecoNET Cloud mobile application enable configuration and management of zone operation. The controller is used to build underfloor heating control systems in medium and large single-family homes and is part of the evoSYSTEM energy management system.

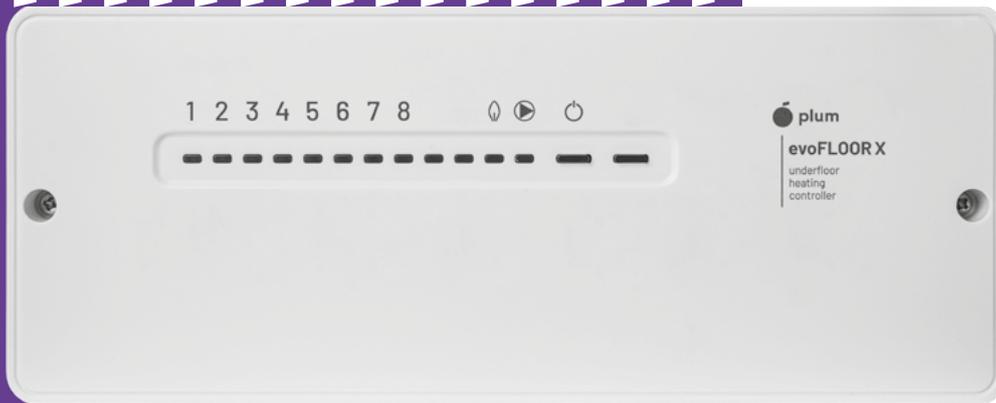
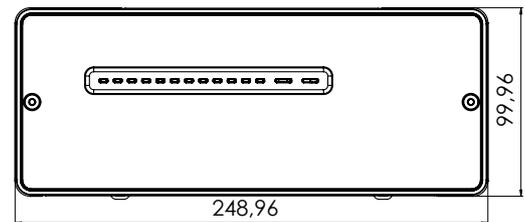
## technical data

<b>power supply</b>	230 V~, 50 Hz
<b>protection degree</b>	IP 20
<b>ambient temperature</b>	0...50°C
<b>storage temperature</b>	-25... +60°C
<b>relative humidity</b>	5...95%, without water vapor condensation
<b>communication</b>	RS485, bidirectional ISM radio communication [frequency band: 865...868 MHz, 868.125 MHz, transmission power: 20 mW (+13 dBm)], BT v4.2 LE
<b>external dimensions:</b>	248 x 100 x 50 mm
<b>indication</b>	LED
<b>installation</b>	wall-mounted, DIN rail

# evoFLOOR X

underfloor heating  
controller

## device dimensions



product code	ZXEVOFLOOR_X
EAN	5900805755288

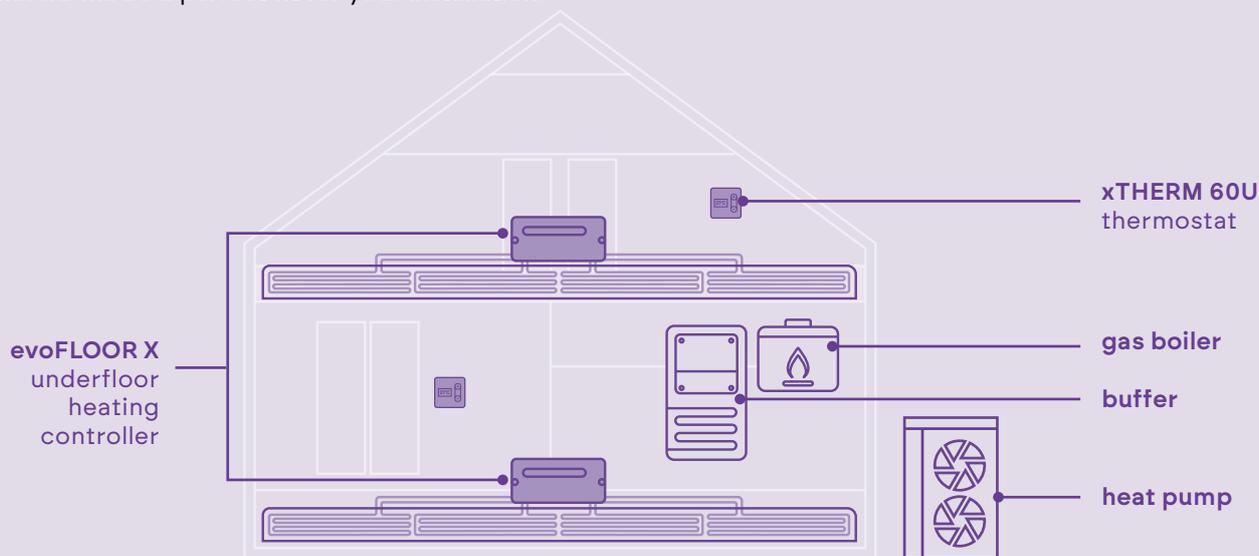
## features of the evoFLOOR X underfloor heating controller:

- works with TTO 230 V actuators (NC/NO type) and xTHERM 60U room thermostats for up to 8 heating zones
- contact control of the heat source, e.g., gas boiler, heat pump, or manifold circulation pump
- easy cable installation with detachable screw terminals and cable strain relief
- LED indication
- heating mode
- enclosure suitable for mounting on a 35 mm DIN rail or wall installation
- integrated protection against output overload
- universal controller dedicated for developer projects
- when combined with xTHERM 60U, provides remote access and servicing of the underfloor heating system

## Comfort and energy efficiency – in every zone

### Optimal cooperation with heat pumps or boilers – full control of the operating cycle

Whether you choose a system with a heat pump and buffer or heating with a gas boiler, the evoFLOOR X manifold will be a perfect fit for your installation.



## about underfloor heating controller evoFLOOR X

The wired manifold (230 VAC crossbar) enables the connection of xTHERM 60U room thermostats and TTO 230 V thermal actuators for up to 8 heating zones and is used to build underfloor heating control systems in medium and large single-family homes.

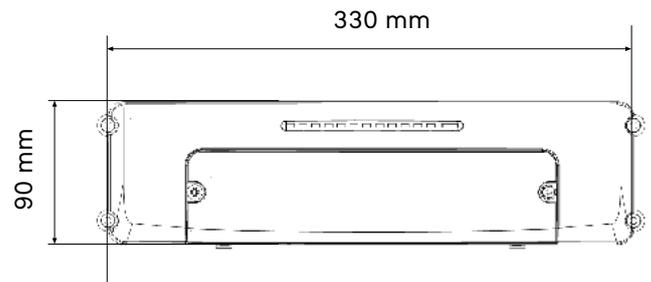
## technical data

<b>power supply</b>	230 V~, 50 Hz
<b>protection degree</b>	IP 20
<b>ambient temperature</b>	0...50°C
<b>storage temperature</b>	-25... +60°C
<b>relative humidity</b>	5...95%, without water vapor condensation
<b>thermostat power supply</b>	T1...T8(L, N), 230 VAC / 0,3 A
<b>external dimensions</b>	248 x 100 x 50 mm
<b>indication</b>	LED
<b>installation</b>	wall-mounted, DIN rail

# xFLOOR

underfloor heating  
controller

## device dimensions



product code	ZX EF_08_RF_BT_WH
EAN	5900805755042



see the operating  
and installation  
manual

## xFLOOR underfloor heating controller features:

- control of circulation pump, heat source, and valves
- connection of additional controllers (up to 4)
- built-in bluetooth
- direct configuration from the controller
- heating and cooling
- support for up to 8 heating zones per controller (max. 32 zones)
- built-in Installation Assistant
- ability to control 5 actuators per 1 output
- support for the system in online or offline mode
- wired and wireless thermostats in one system
- expansion of the system according to users' needs and building situations
- quick installation and simple maintenance
- thermostats with cooling algorithms
- solution for both new and renovated buildings
- easy connection of actuators



## about underfloor heating controller xFLOOR

The control manifold for underfloor heating supports up to eight independent heating zones using thermoelectric actuators. Wireless thermostats, wired thermostats, and temperature sensors provide real-time temperature data from individual rooms to maintain a consistent level of thermal comfort. The manifold allows independent temperature control for each heating zone, ensuring personalized comfort based on user preferences and helping to reduce heating costs.

## technical data

<b>power supply</b>	230 V~, 50 Hz
<b>protection degree</b>	IP 20
<b>ambient temperature</b>	0...50°C
<b>storage temperature</b>	-25... +60°C
<b>relative humidity</b>	5...95%, without water vapor condensation
<b>communication</b>	2 x RS485, Bidirectional ISM 868 MHz radio communication (band 865...868 MHz), BT v4.2
<b>external dimensions:</b>	330 x 90 x 50 mm
<b>indication</b>	LED
<b>installation</b>	Wall-mounted, DIN rail

# xFLOOR key features

wireless/ wired  
**thermostats**



**LED indicators**

**pump power supply**  
~230VAC

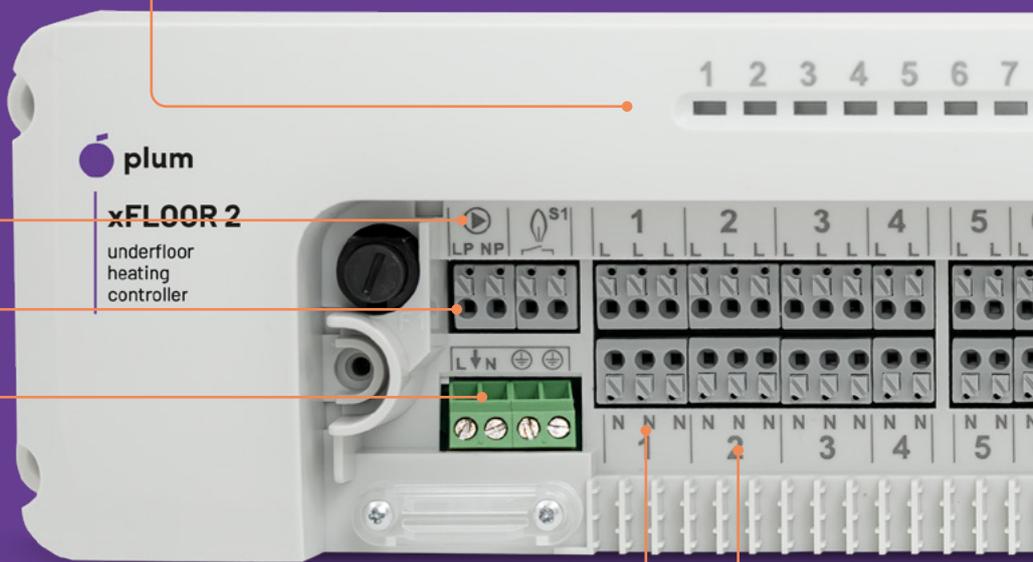
**control of:**  
circulation pump  
heat source  
valves

**power supply**  
~230VAC

**TTO\_230 actuators**  
simple connection  
support for 8 heating zones



**support**  
for up to 5 actuators  
per output



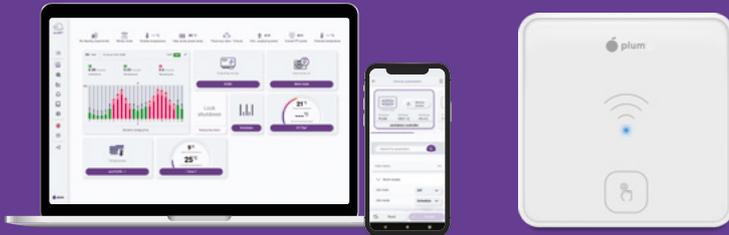
## system configuration

To configure the basic xFLOOR underfloor heating control system, only four components are needed:

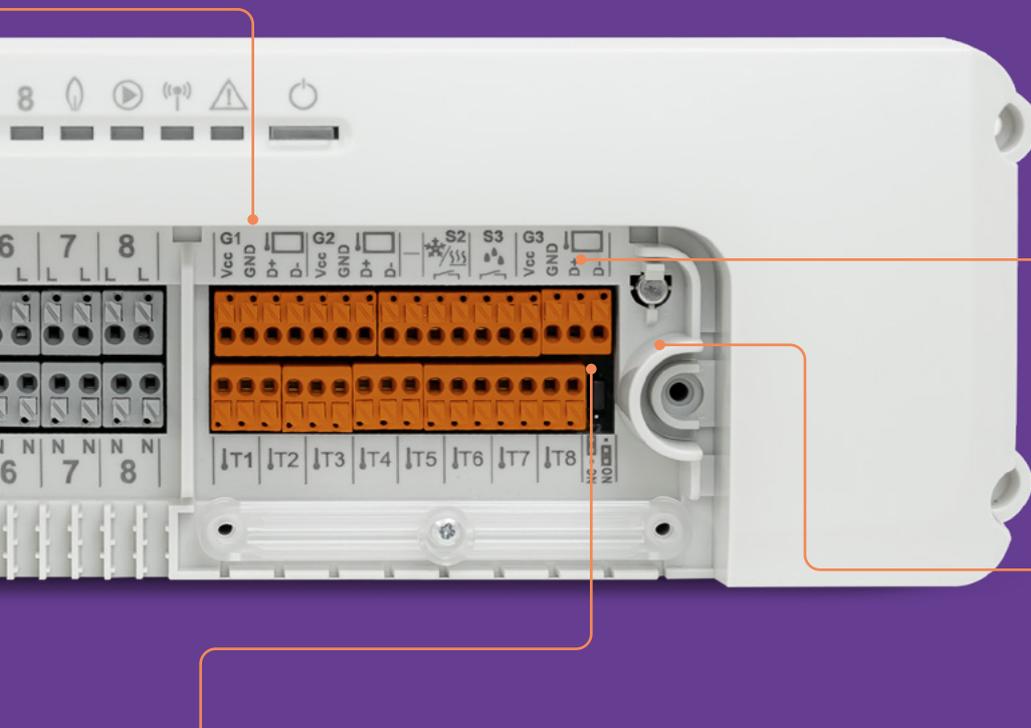
- ▮ underfloor heating controller xFLOOR
- ▮ thermostat
- ▮ actuator
- ▮ free ecoNET Cloud mobile app

## xCLOUD XF ecoNET Cloud

internet module and online management system



**built-in Bluetooth**  
enables xFLOOR  
configuration via  
the ecoNET Cloud  
mobile app

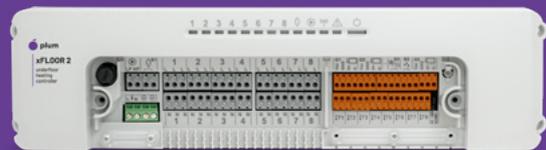
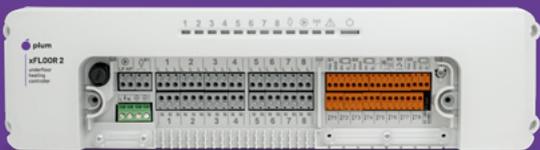
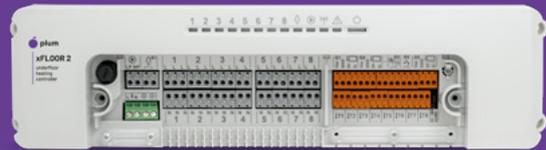
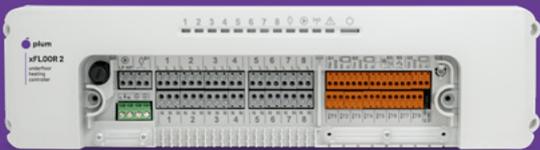


**xTherm Touch**  
touchscreen panel

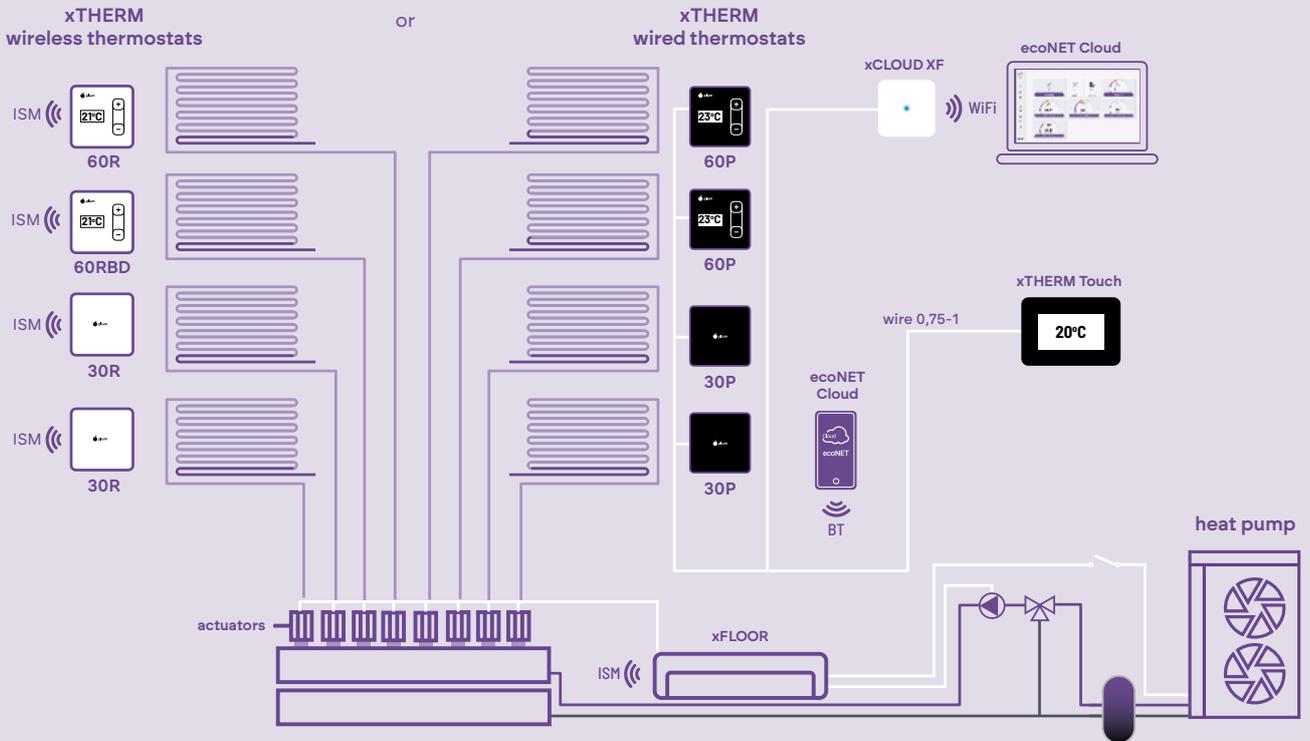


**spare  
fuse**

**connecting**  
up to 4 additional xFLOOR controllers

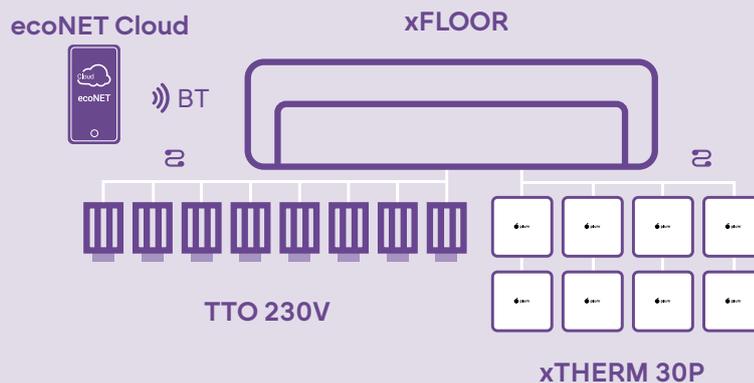


# sample hydraulic diagram

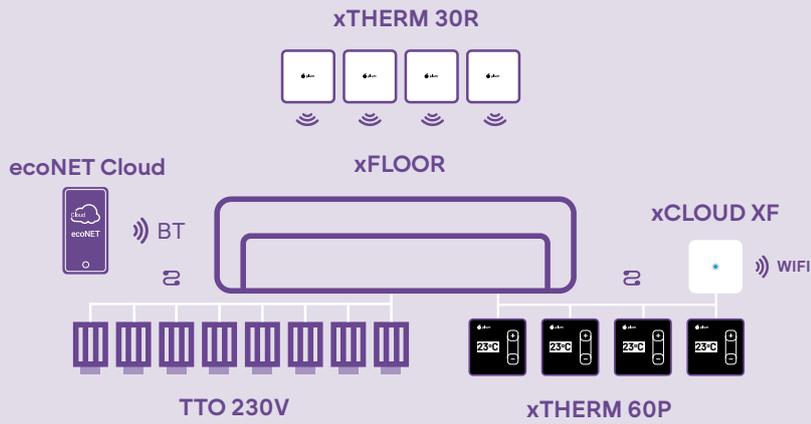


## sample setup of the xFLOOR underfloor heating system

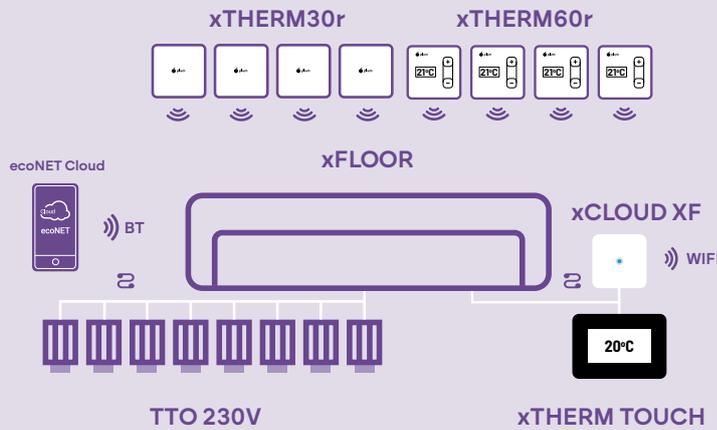
with wired thermostats



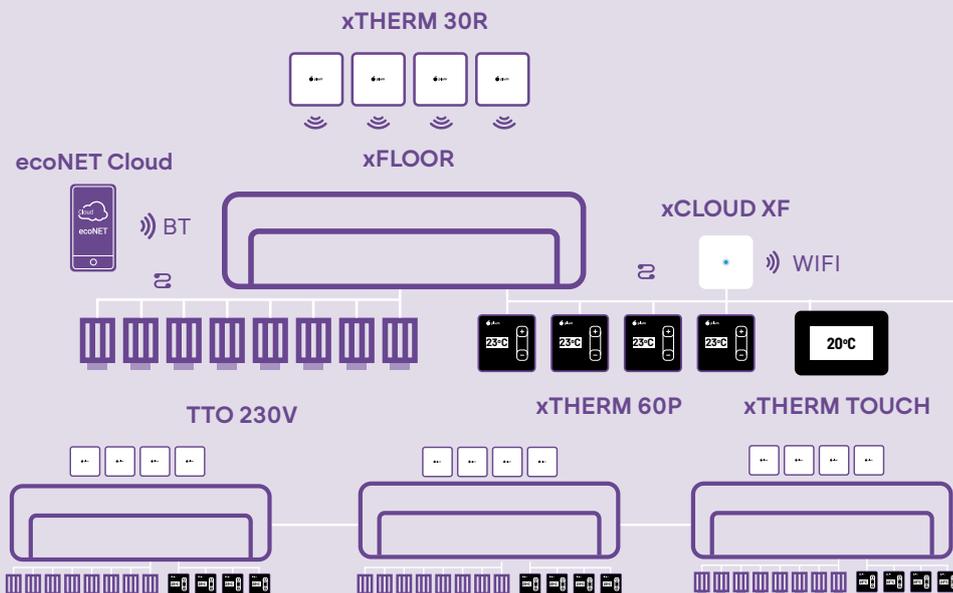
with wireless and wired thermostats



with wireless thermostats and the xTHERM TOUCH touchscreen panel



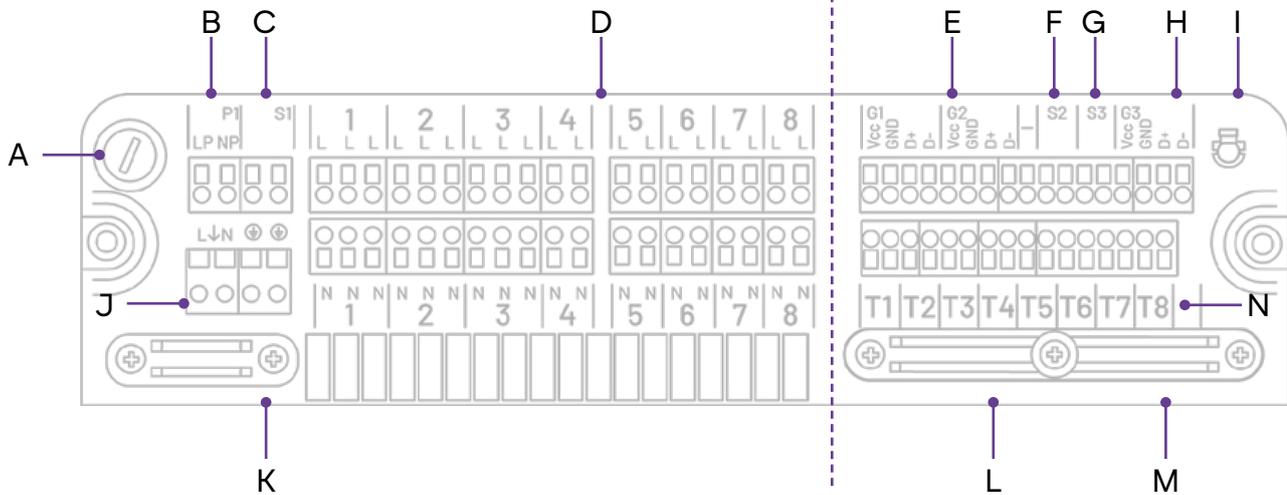
with hybrid wired-wireless thermostats, xCLOUD XF / evoSYNC internet module, xTHERM TOUCH touchscreen panel, and additional xFLOOR controllers



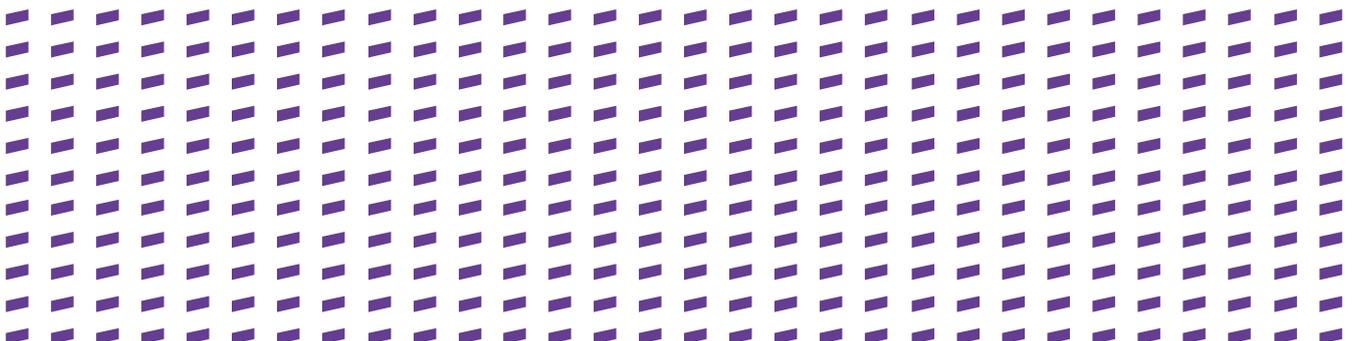
# electrical terminals

## high-voltage section

## low-voltage section



- A. fuse
- B. connection to circulation pump
- C. heat source control output
- D. outputs for actuator connection
- E. terminals for wired thermostats
- F. heat source contact input (heating/cooling)
- G. dew point sensor input (in cooling mode)
- H. socket for connecting touchscreen panel and internet module
- I. spare fuse
- J. mains power supply
- K. cable protection
- L. inputs for wired temperature sensors
- M. cable protection
- N. actuator type setting



# Select devices for floor heating control!

The installer configurator allows for quick and easy selection of devices for floor heating control. Simply provide a few key details to receive a ready-to-use configuration tailored to your installation.

## How does it work?

### A simple 4-step process:

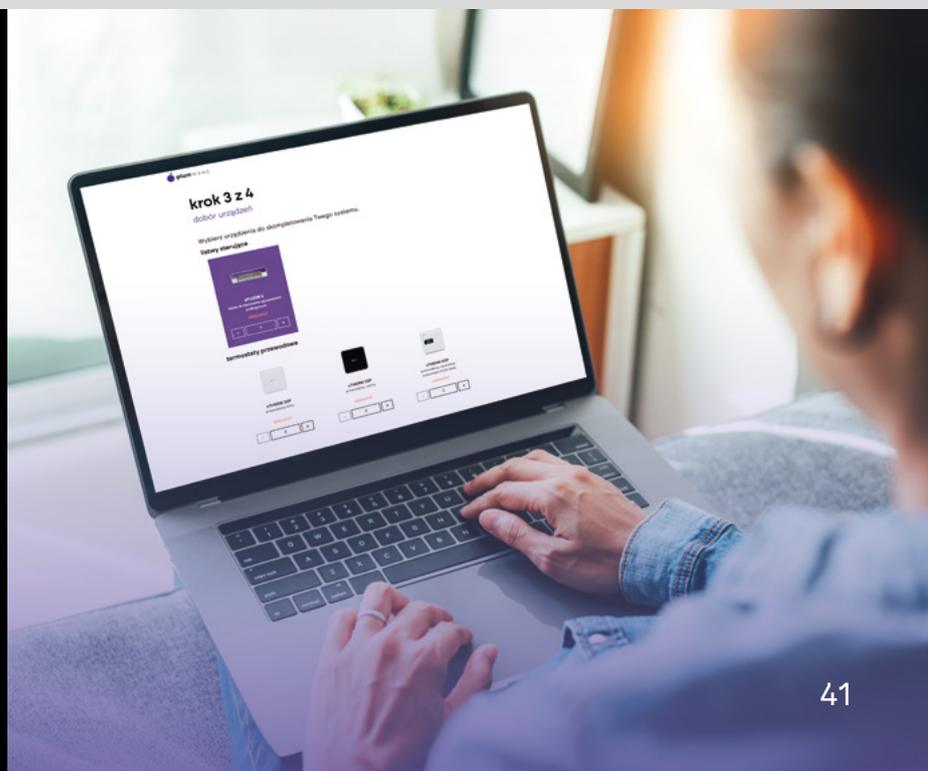
- 1 Visit the website:**  
[www.konfigurator.plum.pl](http://www.konfigurator.plum.pl)
- 2 Answer a few questions:**  
Provide basic information about control options, connectivity, number of heating zones, etc.
- 3 Select devices**  
Based on your answers, the configurator will generate a list of required products.
- 4 Download a ready-to-use PDF file:**  
It contains a complete list of devices matched to your system ready for implementation

## Why use the Plum configurator?

- Save time**  
The entire process takes just a few minutes
- Confident selection**  
You receive a set of devices perfectly matched to your installation
- Ready-to-use product list**  
A clear PDF file you can instantly send to your installer or distributor
- Free and available online**  
24/7 access from anywhere



Check it out now:  
Scan the QR code  
or visit  
[www.konfigurator.plum.pl](http://www.konfigurator.plum.pl)

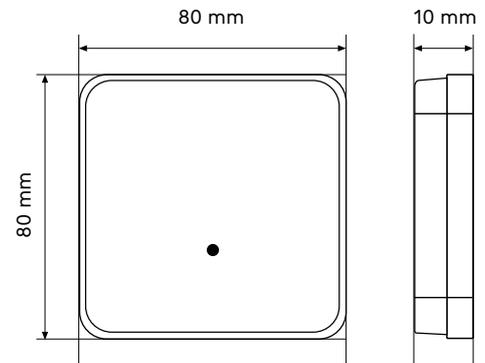


# xCLOUD XF

internet module for connecting  
the xFLOOR underfloor heating  
controller



## device dimensions



product code	ZX XCLOUD WH XF HBH
EAN	5900805755264



see the operating  
and installation  
manual





- ▬ **save time and reduce service costs**  
 Quick diagnostics of installation issues without the need for on-site visits.
  
- ▬ **optimize service time**  
 Remote diagnostics enable better planning of service appointments.
  
- ▬ **increase customer satisfaction**  
 Immediate responses to service requests build trust and enhance customer satisfaction with the trouble-free operation of the heat pump.

## about xCLOUD XF internet module

Internet module used to connect the evoFLOOR nad xFLOOR underfloor heating controllers to the ecoNET Cloud online system.

## technical data

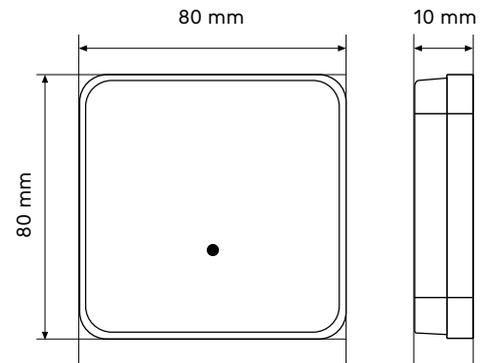
<b>power supply</b>	5...12 VDC - directly from the controller socket or external power adapter
<b>power consumption</b>	1.7 W
<b>protection degree</b>	IP 20
<b>operating conditions</b>	0...40°C, 0...95% RH (non-condensing)
<b>storage temperature</b>	0...65°C
<b>relative humidity</b>	5...85%, non-condensing
<b>communication</b>	wired RS485 with controller, WIFI 2.4...2.5 GHz standard IEEE 802.11 B/G/N, BT v4.2 BR/EDR
<b>wymiary zewnętrzne</b>	80 x 80 x 10 mm
<b>installation</b>	wall-mounted: screws; flat metal surface: magnets
<b>included accessories</b>	communication cable, power adapter

# xCLOUD

internet module for  
a heat pump, heat recovery unit,  
and gas boiler



## device dimensions



product code	ZX XCLOUD
EAN	5900805755134



see the operating  
and installation  
manual





- ▬ **save time and reduce service costs**  
 Quick diagnostics of installation issues without the need for on-site visits.
  
- ▬ **optimize service time**  
 Remote diagnostics enable better planning of service appointments.
  
- ▬ **increase customer satisfaction**  
 Immediate responses to service requests build trust and enhance customer satisfaction with the trouble-free operation of the heat pump.

## about the xCLOUD module

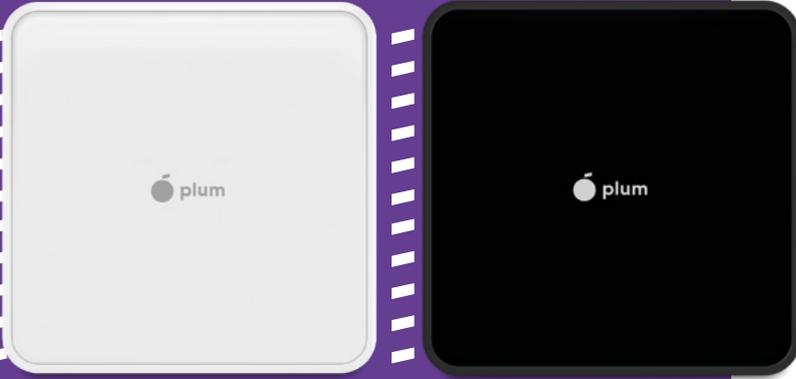
Internet module for connecting a heat pump to the ecoNET Cloud system. The device enables network connectivity using the Modbus protocol.

## technical data

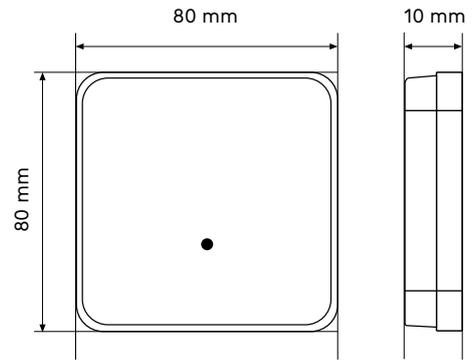
<b>power supply</b>	5...12 VDC
<b>protection degree</b>	IP 00
<b>operating conditions</b>	+5...35°C, 0...95% RH (non-condensing humidity conditions)
<b>storage temperature</b>	-25...+65°C
<b>relative humidity</b>	5...85%, non-condensing humidity conditions
<b>communication</b>	wired (Modbus RTU), WIFI 2400 MHz–2483,5 MHz IEEE 802.11 B/G/N standard with web service, BT v4.2 LE with mobile app
<b>external dimensions</b>	80 x 80 x 10 mm
<b>installation</b>	wall-mounted: screws; flat metal surface: magnets
<b>included accessories</b>	communication cable, power supply unit

# xTHERM 30R

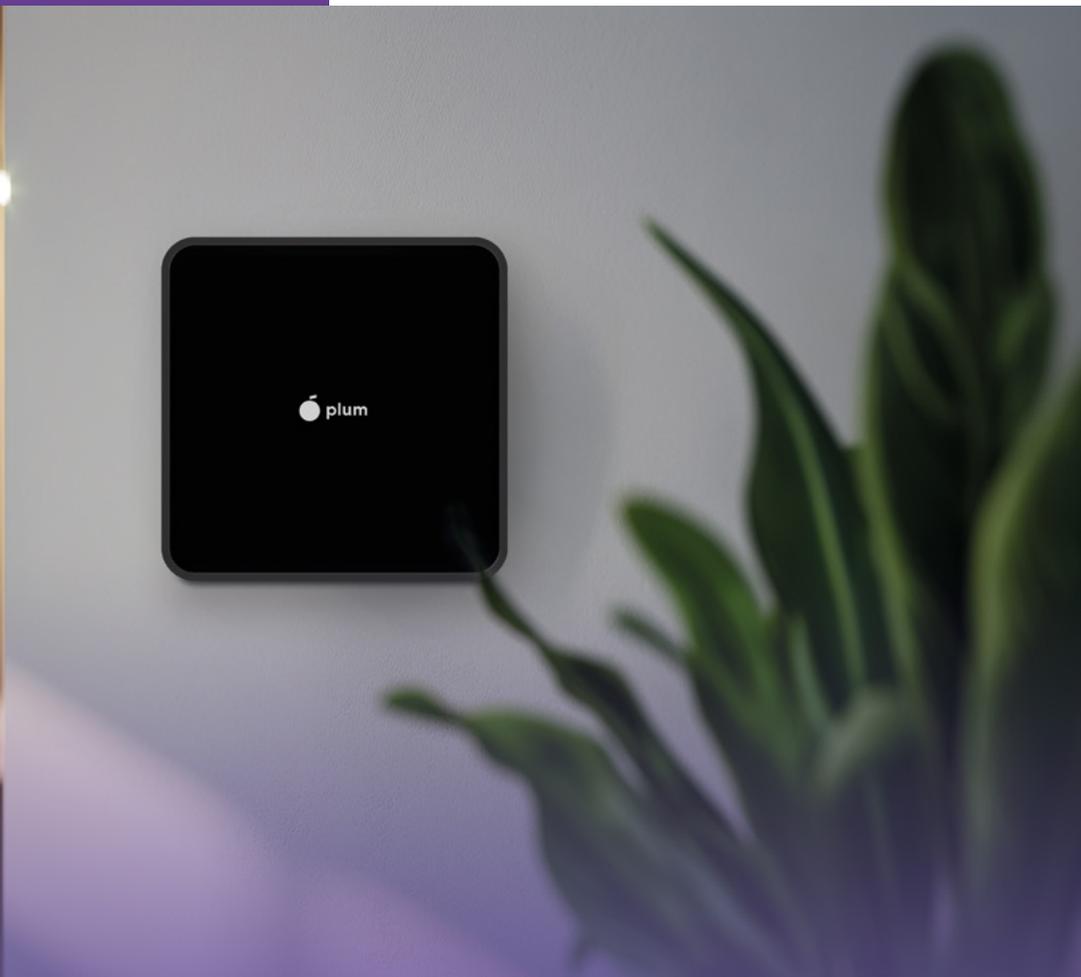
wireless room  
thermostat



## device dimensions



	white finish	black finish
product code	XTHERM_30R_WH	XTHERM_30R_BL
EAN	5900805755196	5900805755189





## xTHERM 30R features

- wireless connection with evoFLOOR and xFLOOR controllers
- effortless pairing with the controller
- wall-mounted with a snap-on bracket install in any room

## about xTHERM 30R thermostat

A wireless room thermostat designed to read and maintain the desired temperature in a room or heating zone.

## technical data

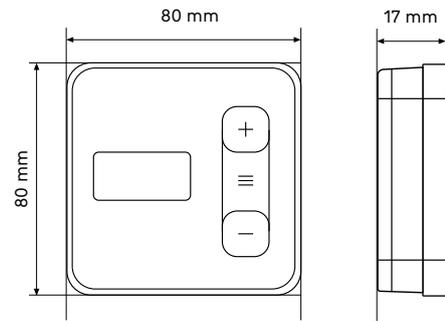
<b>power supply</b>	1.5 VDC, 1 x alkaline battery CR2032
<b>protection degree</b>	IP 00
<b>ambient temperatur</b>	0...+40°C
<b>storage temperature</b>	-25... +60°C
<b>relative humidity</b>	5...85%, without water vapor condensation
<b>temperature measurement range/ accuracy</b>	+5...35°C/±0,5°C
<b>communication</b>	one-way radio communication, ISM 868 MHz, (band 865...868 MHz), 20 mW (+13 dBm)
<b>installation</b>	wall-mounted

# xTHERM 60RBD

wireless room  
thermostat



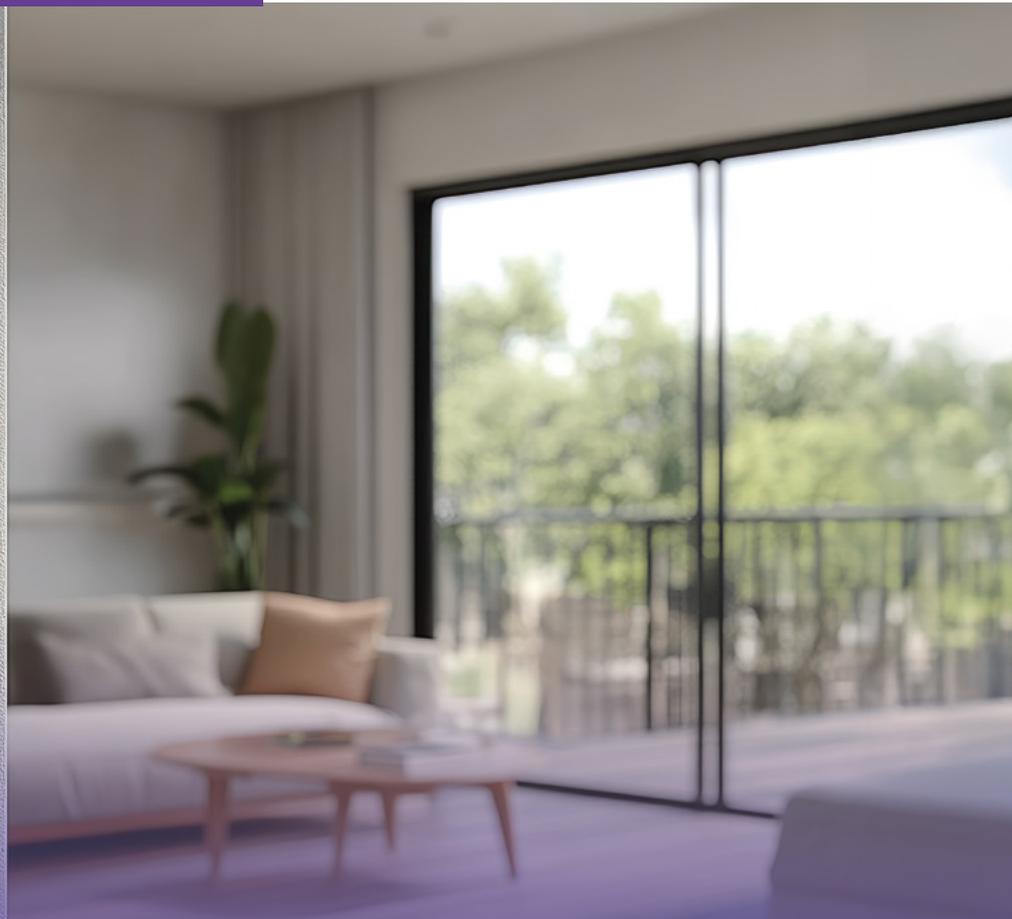
## device dimensions



	white finish	black finish
product code	XTHERM_60RBD_WH	XTHERM_60RBD_BL
EAN	5900805755233	5900805755226



see the operating  
and installation  
manual





## xTHERM 60RBD

### features:

- wireless connection with the evoSYNC module and evoFLOOR, xFLOOR controllers
- room temperature setpoint adjustment
- LCD display and capacitive buttons
- clock synchronization function with the controller
- wall-mounted or free-standing installation

### about

#### xTHERM 60RBD thermostat

The wireless room thermostat works seamlessly with the evoFLOOR and xFLOOR controllers and the evoSYNC controller. Its main function is to maintain the desired temperature in a room or heating zone by sending ISM radio signals to the controller. The thermostat displays the current room or zone temperature on its screen, providing clear and immediate feedback to the user.

### technical data

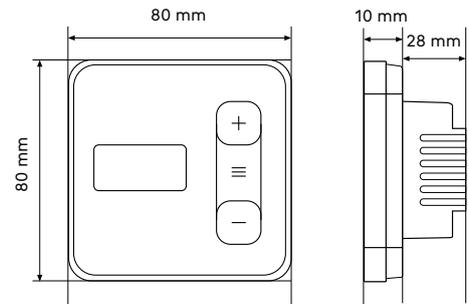
<b>power supply</b>	3 VDC, 2 x AAA 1,5 V, preferably LR03 type
<b>protection degree</b>	IP 00
<b>ambient temperature</b>	0...+40°C
<b>storage temperature</b>	-25... +60°C
<b>relative humidity</b>	5...95%, non-condensing
<b>temperature measurement range / accuracy</b>	+5..35°C/±1°C
<b>communication</b>	Bidirectional radio communication, ISM 868 MHz (band 865...868 MHz), 20 mW (+13 dBm)
<b>display</b>	LCD, without backlight
<b>control</b>	3 × capacitive touch buttons
<b>installation</b>	wall-mounted or free-standing

# xTHERM 60R

wireless room  
thermostat



## device dimensions



	white finish	black finish
product code	XTHERM_60R_WH	XTHERM_60R_BL
EAN	5900805755257	5900805755240



see the operating  
and installation  
manual





## xTHERM 60R features

- wireless connection with the evoSYNC module and evoFLOOR, xFLOOR controllers
- room temperature adjustment with precise setpoint control
- LCD display and capacitive buttons
- clock synchronization function with controller
- wall-mounted installation in any room

## about xTHERM 60R thermostat

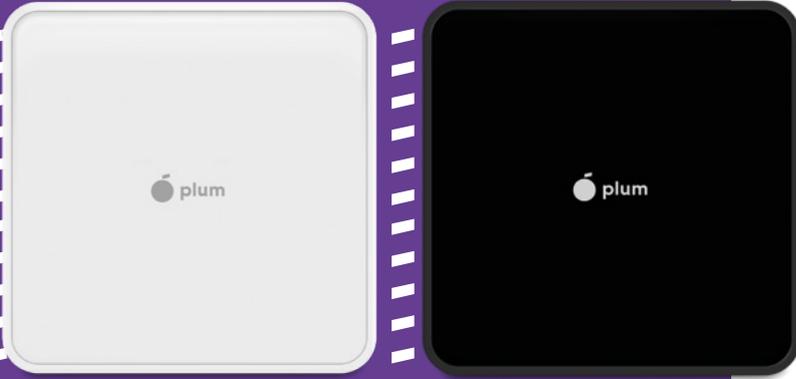
The wireless room thermostat works with the evoFLOOR and xFLOOR controller. Its purpose is to maintain the desired temperature in the room/heating zone by sending an ISM radio signal to the controller. The thermostat displays information about the current room/zone temperature on its screen.

## technical data

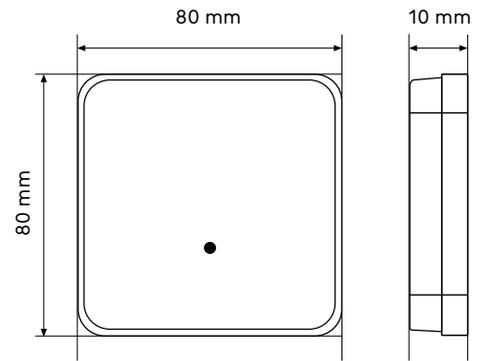
<b>power supply</b>	3 VDC, 2 x AAA 1,5 V, preferably type LR03
<b>protection degree</b>	IP 00
<b>ambient temperature</b>	0...+40°C
<b>storage temperature</b>	-25... +60°C
<b>relative humidity</b>	5...85%, non-condensing
<b>temperature measurement range / accuracy</b>	+5..35°C/±1°C
<b>communication</b>	bidirectional radio communication, ISM 868 MHz (band 865...868 MHz), 20 mW (+13 dBm)
<b>display</b>	LCD, without backlight
<b>control</b>	3 x capacitive touch buttons
<b>installation</b>	flush-mounted box Ø 60 mm

# XTHERM 30P

wired room  
thermostat



## device dimensions



	white finish	black finish
product code	XTHERM_30P_WH	XTHERM_30P_BL
EAN	5900805755172	5900805755165





## xTHERM 30P features

- wired connection with the xFLOOR controller
- easy pairing with the controller
- wall-mounted with a snap-on mechanism in any room

## about xTHERM 30P thermostat

Wired room thermostat designed to read and maintain the desired temperature in a room/ heating zone.

## technical data

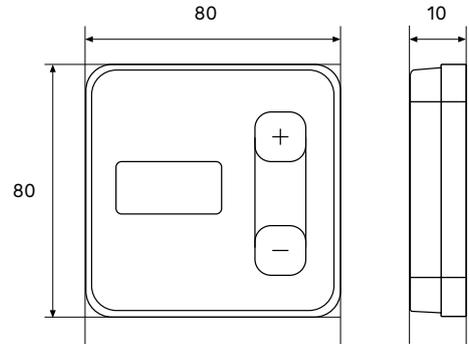
<b>protection degree</b>	IP 20
<b>ambient temperature</b>	0...+40°C
<b>storage temperature</b>	-25... +60°C
<b>relative humidity</b>	5...85%, without water vapor condensation
<b>temperature measurement range / accuracy</b>	+5..35°C/±0,5°C
<b>installation</b>	wall-mounted

# xTHERM 60P

wired room  
thermostat



## device dimensions



	white finish	black finish
product code	XTHERM_60P_WH	XTHERM_60P_BL
EAN	5900805755219	5900805755202



see the operating  
and installation  
manual





## xTHERM 60P features

- ▮ wired connection with the evoFLOOR and xFLOOR controllers
- ▮ surface-mounted thermostat with easy snap-on installation
- ▮ 1.29-inch OLED display
- ▮ capacitive function buttons
- ▮ clock synchronization with the controller
- ▮ ability to adjust the desired room temperature

## about xTHERM 60P thermostat

Wired room thermostat designed to read and maintain the desired temperature in a room or heating zone. The thermostat displays the current room/zone temperature on a backlit screen.

## technical data

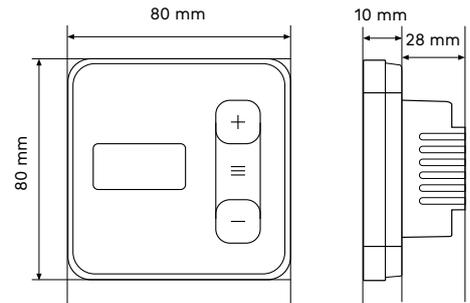
<b>power supply</b>	5..12 VDC, directly from the controller socket
<b>protection degree</b>	IP 00
<b>ambient temperature</b>	0...+40°C
<b>storage temperature</b>	-25... +60°C
<b>relative humidity</b>	5...85%, non-condensing
<b>temperature measurement range/ accuracy</b>	+5..35°C/ ±1°C
<b>communication</b>	RS485 wired transmission
<b>display</b>	OLED 1.29", 128x64 pixels, backlit
<b>control</b>	2 capacitive touch buttons
<b>installation</b>	wall-mounted

# xTHERM 60U

wired room  
thermostat



## device dimensions



	white finish	black finish
product code	ZXXTHERM60UWH	ZXXTHERM60UBL
EAN	5900805755295	5900805755301





## xTHERM 60U

### features:

- connection with the evoFLOOR X controller
- surface-mounted thermostat with easy snap-on installation
- 1.29-inch OLED display
- capacitive function buttons
- clock synchronization with the controller
- ability to adjust the desired room temperature

## about xTHERM 60U thermostat

The room thermostat is an integral part of the evoFLOOR X controller and is installed in a selected room, such as the living room. Its purpose is to maintain the set temperature in that room.

## technical data

<b>power supply</b>	230 VAC, 50 Hz
<b>protection degree</b>	IP 20
<b>ambient temperature</b>	0...+40°C
<b>storage temperature</b>	-25... +60°C
<b>relative humidity</b>	5...85%, non-condensing
<b>temperature measurement range/ accuracy</b>	+5..35°C/ ±1°C
<b>communication</b>	BT v4.2 LE with the ecoNET Cloud mobile application
<b>display</b>	OLED 1.29', 128x64 pixels, backlit
<b>control</b>	2 capacitive touch buttons
<b>installation</b>	wall-mounted, standard installation box Ø 60 mm

# evoMETER MOD 3F

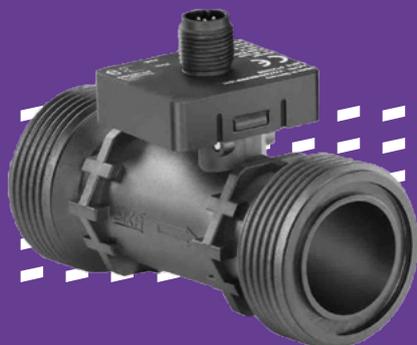
energy meter



product code	EVOMETER MOD 3F
EAN	5900805755080

# evoFLOW

flow meter



product code	EVOFLOW DN25
EAN	5900805755059

## technical data:

- three-phase energy meter
- can be used as a single-phase meter
- can be used as a pulse counter
- RS485 communication (MODBUS RTU) with the evoSYNC controller
- DIN 35 rail mounting
- three-phase input: 100 A
- model SDM72D-M

## technical data:

- power supply: 12–24 VDC
- flow measurement range: 7–150 l/min, 420–9000 l/h
- communication via pulse output with the evoSYNC controller
- mounting for installation with a G1 1/4" fitting
- type VVX25

The evoFLOW flow meter enables real-time calculation of energy obtained from the heating system of the evoSYSTEM.

# CT-10P

outdoor temperature sensor  
(weather sensor)



product code	CT10-P
EAN	5900805755035

# TTO 230V

thermostatic actuator



product code	TTO_230
EAN	5900805755127

# CT10

temperature sensor



	2 m	4 m
product code	CT10 2M	CT10 4M
EAN	5900805755011	5900805755028

## technical data:

- sensing element: NTC 10K
- connection to the evoSYNC controller
- external wall-mounted (north-facing wall in a shaded location)

## technical data:

- thermostatic actuator  
M30 x 1,5
- type ED3BB
- power supply 230 V, 50 Hz
- power consumption 2 W
- maximum current 300 mA
- protection degree IP 54
- thread stroke 4 mm
- operating temperature 0...+60°C

## technical data:

- sensing element: NTC 10K
- available cable lengths:  
2 m, 4 m
- connection to the evoSYNC controller
- mounting on the heating circuit pipe- either supply or return pipe to the heat pump, depending on the application

## controllers



**evoSYNC**  
energy  
management  
module  
(pp. 20-23)



**evoAFS**  
antifreeze  
system  
(pp. 24-25)



**miniMULTI**  
installation  
controller  
(pp. 26-27)



**xCLOUD XF**  
internet  
module  
(pp. 42-43)



**xCLOUD**  
internet  
module  
(pp. 44-45)



**evoFLOOR**  
underfloor heating  
controller  
(pp. 30-31)



**evoFLOOR X**  
underfloor heating  
controller  
(pp. 32-33)



**xFLOOR**  
underfloor heating  
controller  
(pp. 34-41)

## thermostats

### wireless



**xTHERM 30R**  
wireless  
thermostat  
(pp. 46-47)



**xTHERM 60RBD**  
wireless  
thermostat  
(pp. 48-49)



**xTHERM 60R**  
wireless  
thermostat  
(pp. 50-51)



**xTHERM 30P**  
wired  
thermostat  
(pp. 52-53)



**xTHERM 60P**  
wired  
thermostat  
(pp. 54-55)



**xTHERM 60U**  
wired  
thermostat  
(pp. 56-57)



## accessories



**evoFLOW**  
flow meter  
(pp. 58)



**evoMETER  
MOD3F**  
energy meter  
(str. 58)



**TTO 230V**  
thermostatic  
actuator  
(pp. 59)



**CT10**  
temperature  
sensor  
(pp. 59)



**CT-10P**  
outdoor temperature  
sensor  
(weather sensor)  
(pp. 59)

## device compatibility

	evoSYNC	xFLOOR	evoFLOOR	evoFLOOR X	evoAFS	miniMULTI
evoSYNC	✗	✓	✓	✗	✓	✓
xFLOOR	✓	✓	✗	✗	✗	✗
evoFLOOR	✓	✗	✓	✗	✓	✓
evoFLOOR X	✗	✗	✗	✓	✗	✗
evoAFS	✓	✗	✗	✗	✗	✗
miniMULTI	✓	✗	✓	✗	✗	✓
xTHERM 60RDB	✓	✓	✓	✗	✗	✓
xTHERM 60R	✓	✓	✓	✗	✗	✓
xTHERM 30R	✗	✓	✓	✗	✗	✓
xTHERM 60P	✓	✓	✓	✗	✗	✓
xTHERM 30P	✗	✓	✗	✗	✗	✗
xTHERM 60U	✗	✗	✗	✓	✗	✗
evoMETER	✓	✗	✗	✗	✗	✗
evoFLOW	✓	✗	✗	✗	✗	✗
TTO 230V	✗	✓	✓	✓	✗	✗
CT10	✓	✗	✗	✗	✓	✓
CT10-P	✓	✗	✗	✗	✓	✓
xCLOUD	✗	✗	✗	✗	✓	✓
xCLOUD XF	✗	✓	✓	✗	✗	✗







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