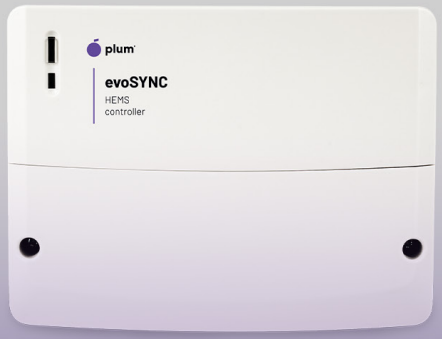
plum HVAC



evoSYNC

HEMS 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.

function

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

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edition
1.0b, 15.06.2026

technical data

power supply	12 VDC, 3W
protection degree	IP 20
operating temperature	0...+50 °C
storage temperature	-25...+60 °C
relative humidity	5...85%, non-condensing
communication	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
standards	PN-EN 60730-2-9
maximum load current of relay outputs	AUX A, AUX B: 230 VAC, 8(3) A
external dimensions	140 x 105 x 44 mm
installation	wall-mounting
included accessories	2 × CT10 temperature sensors (3 m), CT10-P weather sensor, communication cable, power supply unit

evoSYSTEM