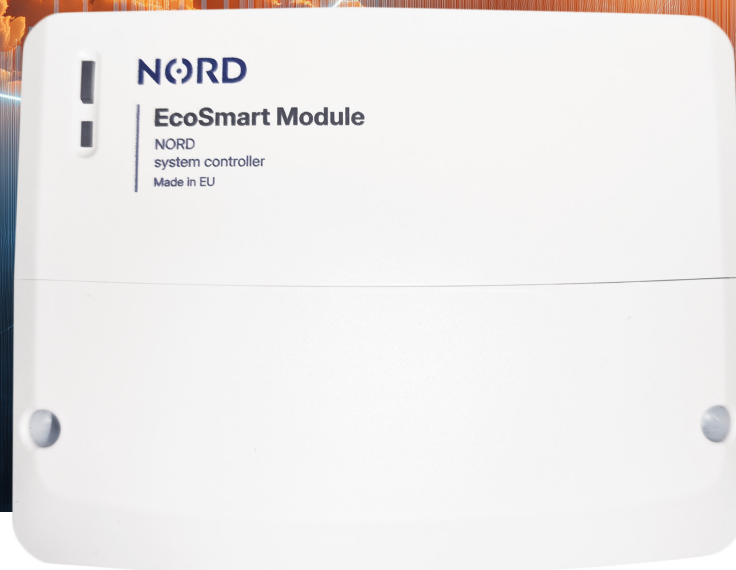




NORD EcoSmart Module

Intelligent module for dynamic energy management based on prices, surpluses, and weather forecasts



COST SAVINGS THROUGH DYNAMIC TARIFFS



EcoSmart optimizes energy consumption based on current electricity prices and photovoltaic surpluses. The NORD Dynamic Tariff Control algorithm can reduce household operating costs by up to 25%, allowing you to pay less without changing your habits.

MAXIMUM UTILIZATION OF OWN ENERGY PRODUCTION AND DYNAMIC TARIFFS



The EcoSmart Module retrieves current electricity prices and sends them to the EcoControl, which optimizes appliance operation accordingly. When prices are high, it reduces heating output; when prices are low, it uses cheap energy for preheating. Combined with the EcoMode function, the household efficiently utilizes its own photovoltaic power and low-cost grid electricity – increasing both self-sufficiency and return on investment.

FUTURE-READY WITH WEATHER FORECASTING



The system is ready to use weather forecasting for even more efficient energy management and storage – always one step ahead and prepared for new features and future expansions.

REMOTE MANAGEMENT AND MOBILE APP



EcoCloud allows the user to access the system anytime and from anywhere – with full online monitoring, configuration, and service.



ALL-IN-ONE SOLUTION



The EcoSmart Module replaces two separate modules – EcoCloud and ISM – combining their functions into a single device. It provides remote system management, cloud communication, and wireless thermostat support – all without the need to install additional hardware. The result is easier installation, lower hardware costs, and a cleaner setup for both users and service technicians.

INTEGRATION OF ALL DEVICES IN A SINGLE SYSTEM

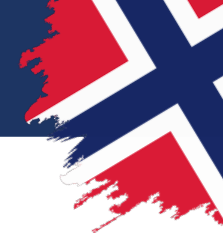


The EcoSmart Module, together with the EcoControl unit, forms an intelligent platform for managing the entire household. EcoSmart provides information on energy prices and weather conditions, while EcoControl uses this data to optimize heating and hot water operation – resulting in higher efficiency and lower grid consumption.

COMFORTABLE AND ENERGY-EFFICIENT TEMPERATURE CONTROL



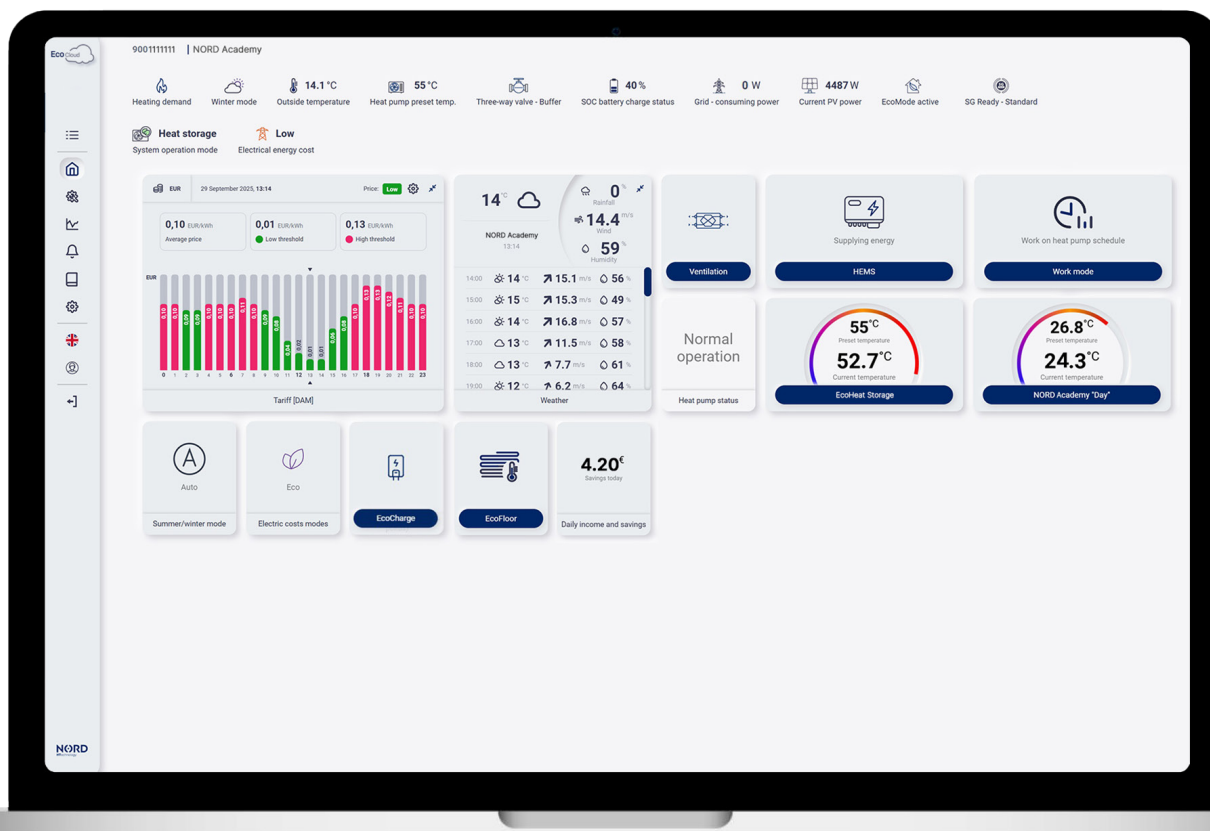
Thanks to direct compatibility with the main EcoControl unit, the EcoSmart Module communicates in real time with the entire heating and cooling system. This synergy ensures stable thermal comfort throughout the home while intelligently optimizing energy consumption, delivering long-term savings without compromising comfort.



TECHNICAL DATA

EcoSmart Module

Power supply	12 VDC, 3 W
IP Protection rating	IP 20
Ambient operating temperature	0 to 50 °C
Storage temperature	-25 to +60 °C
Relative humidity	5 to 85%, non-condensing
Data transmission	1 x RS485 (Modbus RTU) WiFi 2.4 GHz IEEE 802.11 b/g/n Bluetooth v4.2 LE ISM in the 865–868 MHz band
Maximum load current on contact output	AUX A: 230 VAC, 3 A continuous (8 A peak) AUX B: 230 VAC, 3 A continuous (8 A peak)
Maximum load current on outputs	FLOW: 5 VDC, 80 mA SYSTEM: 12 VDC, 400 mA
Installation	Wall mounting
Overall dimensions	140 × 105 × 44 mm
Order code	E-525-208



NORD EcoCloud web