

# RCH01 Radio control

## for heating circuits 230 V



The RCH01 is a wireless controller for underfloor heating circuit manifolds.

The controller has five electronic outputs for regulating the temperature of five control zones. A maximum of 18 thermo-electrical actuators and one circulation pump can be connected.

A wireless temperature sensor ST01 can be paired with each output. If the temperature sensor detects deviations from a set temperature, a sensor telegram is transmitted and the relevant RCH01 output is activated.



RCH01E5005-01-29K

### Technical specifications

Coding	Easywave For each output one ST01 in I/O mode can be programmed.
Frequency	868.30 MHz
Channels	5
Power supply	230 V AC, 50 Hz
Power consumption	max. 0.5 W
Operating modes	Heating circuit control
Outputs	5 electronic switching outputs 1 relay contact (pump)
Total load	max. 20 W per output
Maximum contact load	
Valve actuators	transistor control (Only ohmic load permitted!)
Output 1-4	max. 4 valve actuators per output
Output 5	max. 2 valve actuators
Pump	
- resistive load $\cos\phi = 1.0$	5.0 A / 1,150 VA
- inductive load $\cos\phi = 0.8$	4.0 A / 920 VA
Protection degree	IP55 (in delivery condition)
Operating temperature	0 °C to +60 °C
Dimensions (W/L/H)	180/94/57 mm

### Scope of delivery

- Radio control
- Mounting material
- Operating manual

### Accessories (optional)

- ACC-ANT50-03-21P external antenna, 868MHz, 5m coaxial cable, clamp connection, magnetic base



### Models

Product number	Description
RCH01E5005-01-29K	Radio control for heating circuits, Easywave, 230V, 5x thermostats + circulation pump, potential loaded

### Wiring diagram

