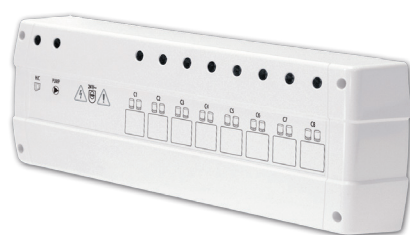




RE006

WIRED CROSS CONNECT FOR UNDERFLOOR HEATING/COOLING

CONTROL FROM 6 TO 8 OUTPUT CHANNELS SUPPLIED BY 230V OR 24V FOR NO OR NC THERMOELECTRIC ACTUATORS



Overview

Main features

- Solution for wiring and control of an underfloor heating/cooling system room by room
- Wiring system, requiring no settings and easy to start up

Application

- Underfloor heating/cooling

Product + points

- **Room by room control in heating or cooling mode**
- **Automatic run with reversible heating pump**
- **System ensuring the required comfort, room by room**, without any intervention or settings other than the normal startup of a hydraulic underfloor heating

Functional specifications

Use



Input and output change over (C/O)	Reversion of the function mode heating/cooling. The order can be provided by the reversible heat pump
Appropriate inputs and outputs	Unit endowed with numerous inputs and outputs, wire that allow the system to communicate with the different devices of the installation
The status of outputs and orders, circulation pump state and «heating» or «cooling» mode are monitored by diodes	
Order output for circulation pump	
Wire inputs for a temperature decrease order (Eco)	

Installation

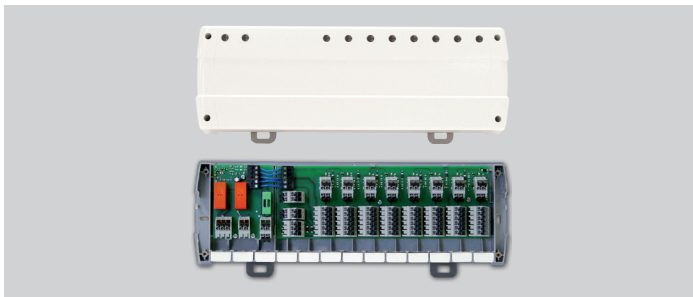
2 fitting options: Attachment on a DIN rail or by means of screws (for wall mounting) or in a box

Quick-connect screwless terminal blocks

Quick-on attachment of cables by means of clipping them down screwlessly

Advanced settings

Manual system test	A digital electronic room thermostat allows overriding of the outputs
Thermoelectric actuators connection	1 or 2 thermoelectric actuators in parallel in each output
Order output for circulation pump	
Reversible heat pump or boiler are usable with the wired cross connect	
Quick and easy replacement of the fuse supplied with the unit	



Technical specifications

Dimensional and finish specifications

Height	118 mm	
Width	350 mm	
Depth	67 mm	
Color	White RAL 9016	Black RAL 9005
Net weight	1.01 Kg	

Power supply

Operating voltage	230V AC +/-10% 50Hz
Outputs	<ul style="list-style-type: none"> - Circulation pump (PUMP): 2A 230V AC (500W) relay contact or 24V AC (500W) - Heating/cooling (H/C-C/O): 5A 230V or 24V contact, relay with 3 points (common (COM), contact closed when inactive (NC), and contact open when inactive (NO)) - Thermal actuators: 1 or 2 Class II thermal actuators, 3W 230V or 3W 24V per channel
Environmental pollution degree	2
Overvoltage category II	2.5 KV (category II, 230V version) or 4 KV (category III, 24V version)
Fuse	T1A (5x20mm, 230V category) or T2A (5x20mm, 24V category)

Consumption

Consumption	1W under 230V(AC) and under 24V(AC)
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Environment

Protection rating	IP20
Class	Class II (230V version) or Class III (24V version)
Operating temperature	0°C to +60°C
Storage temperature	-20°C to +70°C
Max. humidity level	85% at +25°C (without condensation)

Applicable directives

EMC	2004/108/EC
LVD	2006/95/EC
RoHS	2011/65/EU

Applicable standards

LVD	EN60730-1 ; EN60730-2-9 ; EN62311
EMC	EN60730-1 ; EN60730-2-9
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

Product codes

Code	References
RPIRE6CIMHA	Wired 6-channel terminal block for 230V underfloor heating/cooling system white
RPIREV6CIMHA	Wired 6-channel terminal block for 24V underfloor heating/cooling system, white
RPIRE8CIMHA	Wired 8-channel terminal block for 230V underfloor heating/cooling system, white
RPIREV8CIMHA	Wired 8-channel terminal block for 24V underfloor heating/cooling system, white

Product customization (design features) possible. Please contact us.