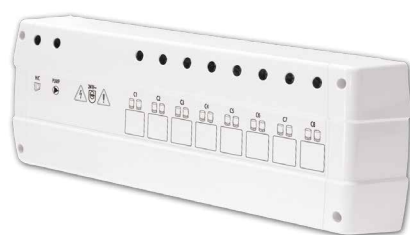




RE006

## 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



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

### Installation

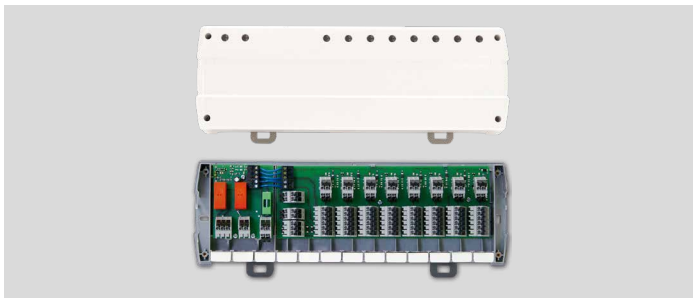
**2 fitting options:** Attachment on a DIN rail or by means of screws (for wall mounting) or in a box

Quick-connect screwless terminal blocks

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

### Advanced settings

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



## 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"> <li>- Circulation pump (PUMP): 2A 230V AC (500W) relay contact or 24V AC (500W)</li> <li>- 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))</li> <li>- Thermal actuators: 1 or 2 Class II thermal actuators, 3W 230V or 3W 24V per channel</li> </ul>
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	2014/30/EU
LVD	2014/35/EU
RoHS	RoHS 2011/65/EU, amended by Directives 2015/863/EU and 2017/2102/EU

### Applicable standards

LVD	EN60730-1 ; EN62311
EMC	EN60730-1
RoHS	EN IEC 63000
Manufacturing	On certified site ISO 9001 V2015

## 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.