



CTARE

## PROGRAMMABLE ROOM THERMOSTAT

Wired management of commands for controlling a heating or air conditioning system



### Overview

#### Main features

- Regulation of the room temperature
- Programming of a heating or cooling system
- Automatic management of 4 pre-set weekly and daily programmes, which can be customised and which are separate
- The operating mode can be set manually
- Wired transmission, in heating or air conditioning mode, of commands to heating and air conditioning appliances

#### Application

- Floor heating/cooling system
- Reversible Heat pump
- Boiler
- Air-conditioner

#### Product + points

- **Elegant and innovative design**
- **A large display** improves the readability, allows to see programming 24 hours for a profile in one operation
- **Ergonomic setting**
- **Operates using batteries**, meaning that the device has a power reserve of several months at its disposal

## Functional specifications

### Use



<b>Temperature setting range</b>	Adjustable from +5°C to +30°C
<b>Operating mode</b>	Auto, Comfort, Eco (Economy), Frost protection, Heating Off, Holiday
<b>Holiday Mode</b>	You can program a period of absence from 01 to 99 days during which your home will be protected against freezing.
<b>Programming</b>	<ul style="list-style-type: none"> <li>- Temporary change of the set programmed temperature</li> <li>- Copies a programme for a given day to another day, copies a given profile to another profile</li> </ul>
<b>Special Reversible Heat pump</b>	The heating mode or air conditioning mode is selected by pressing the heating/air conditioning switch-over button which is visible on the interface
<b>Optimizing a heating system with high inertia</b>	Automatic anticipation of the increases or decreases in temperature required at the time of programmed switchovers to the Comfort Mode temperature and to the Eco (economy) Mode temperature
<b>Thermostat includes a dedicated input for heating control by phone (An additional dedicated device is needed)</b>	
<b>Display</b>	Viewing of room temperature, current day, current time, current mode, battery remaining

### Installation

Wall mounting

Connection to heating and air conditioning appliances (a boiler, a reversible heat pump, etc.)

### Advanced settings

<b>Langue</b>	English, French, Italian, German, Spanish, Dutch, Finnish, Norwegian, Swedish, Danish
<b>Control type</b>	PID (Proportional Integral Derivative) or On/Off, meaning that the product can be used with most systems
<b>Circulation pump</b>	Anti-locking feature
<b>Temperature adjustment</b>	Calibration of the display temperature
<b>Restore to factory settings</b>	5 secondes minimum to restor factory settings



## Technical specifications

### Dimensional and finish specifications

Height	160 mm	
Width	120 mm	
Depth	35 mm	
Color	White RAL 9016	Grey RAL 9006
Net weight	0.3 Kg	

### Power supply

3 1.5V AAA / LR03 alkaline batteries	Battery life approximately 2 years
Relay output	One $\mu$ 8 (2) A 230V ~ potential-free double-throw switch, 100,000 cycles using an AC1-type load (resistive load)
Connection	Using a screw terminal suitable for a wire with a 1 to 2.5 square mm cross-sectional area (wire gauge)

### Environment

Protection rating	IP20
Class	Classe II
Operating temperature	0°C to +40°C
Temperature setting range	+5°C to +30°C
Display temperature range	0°C to +40°C
Storage temperature	-10°C to +70°C
Humidity level	80% at +20°C (without condensation)

### Applicable directives

EMC	2004/108/EC (230V and 24V)	
LVD	2006/95/EC	-
RoHS	2011/65/EU (230V and 24V)	
DEEE	2012/19/EU	

### Applicable standards

LVD	EN62311 ; EN60730-1 ; EN60730-2-9
EMC	EN60730-1 ; EN60730-2-9
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008 (230V et 24V)

## Product codes

Codes	References
CTAREIMHGB	Weekly programmable wired room temperature thermostat, 4 profiles, grey
CTAREIMHWB	Weekly programmable wired room temperature thermostat, 4 profiles, white

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