



CTARF

## PROGRAMMABLE ROOM THERMOSTAT

Wireless radio-wave transmission 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
- The operating mode can be set manually
- Wireless radio-wave transmission 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
- **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 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 switcher 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>Display</b>	Viewing of room temperature, current day, current time, current mode, battery remaining, and radio-wave transmission

### Installation

**2 mounting options:** in a base (on a table), or wall-mounted

Pairing with a 1-channel radio receiver which is integrated to the heat source (a boiler, a heat pump, etc.); verification of pairing

### Wireless transmission by means of radio waves: Reliability, performance, flexibility and modularity



Approved Europe-wide, highly resistant to external sources of interference

Signals can go through walls and ceilings

The wireless aspect means that you can change the lay-out of areas without having to make any changes at all to wiring

Wireless communication between the thermostat and the receiver, by means of radio waves

### Advanced settings

<b>Language</b>	English, French, Italian, German, Dutch Spanish, Finnish, Norwegian, Swedish, Danish
<b>Control type</b>	PID (Proportional Integrated Derivative) or On/Off.
<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



Requires the addition of a 1-channel radio-wave Radio transmitter, frequency 868.3 Mhz Can be used throughout Europe

Sold separately



## Technical specifications

### Dimensional and finish specifications

Height	160 mm	
Width	77,3 mm	
Depth	29 mm	
Color	White RAL 9016	Grey RAL 9006
Net weight	0.2 Kg	

### Power supply

3 1.5V AAA / LR03 alkaline batteries	Battery life approximately 2 years
Typical power consumption	60 µA rest/11mA transmission

### Radio-wave transmission

Frequency	Radio transmitter, frequency 868.3 Mhz. Can be used throughout Europe
Transmission	<ul style="list-style-type: none"> <li>- Transmits a signal at the time of programmed status and mode changes; command signals are sent every hour</li> <li>- Commands are repeated 15 seconds after every change of setpoint (desired) temperature</li> <li>- Commands are sent every hour when no change of setpoint (desired) temperature takes place</li> </ul>

### Environment

Protection rating	IP20
Class	Class III
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 +50°C
Max. humidity level	80% at +20°C (without condensation)

### Applicable directives

RED	2014/53/EU
RoHS	2011/65/EU
DEEE	2012/19/EU

### Applicable standards

Safety	EN62311
Radio	EN300220-1 ; EN300220-2
EMC	EN301489-1 ; EN301489-3
RoHS	EN50581
Manufacturing	On certified site ISO 9001 V2008

## Product codes

### Codes

CTARFIMHB	Weekly programmable room temperature thermostat, 4 profiles, wireless, grey
CTARFIMHWB	Weekly programmable room temperature thermostat, 4 profiles, wireless, white

### References

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