



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



Temperature setting range	Adjustable from +5°C to +30°C
Operating mode	Auto, Comfort, Eco (Economy), Frost protection, Heating Off, Holiday
Holiday Mode	You can program a period of absence from 01 to 99 days during which your home will be protected against freezing
Programming	<ul style="list-style-type: none"> - Temporary change of the set temperature - Copies a programme for a given day to another day, copies a given profile to another profile
Special Reversible Heat pump	The heating mode or air conditioning mode is selected by pressing the heating/air conditioning switcher button which is visible on the interface
Optimizing a heating system with high inertia	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
Display	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

Language	English, French, Italian, German, Dutch Spanish, Finnish, Norwegian, Swedish, Danish
Control type	PID (Proportional Integrated Derivative) or On/Off.
Circulation pump	Anti-locking feature
Temperature adjustment	Calibration of the display temperature
Restore to factory settings	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"> - Transmits a signal at the time of programmed status and mode changes; command signals are sent every hour - Commands are repeated 15 seconds after every change of setpoint (desired) temperature - Commands are sent every hour when no change of setpoint (desired) temperature takes place

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	EN300220-2
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.