



ERT7 RF

WIRELESS CONNECTED PROGRAMMABLE ROOM THERMOSTAT WITH DUAL-CHANNEL RECEIVER-GATEWAY

Boiler or heat pump control – weekly and daily programming with dual optimisation, open-window detection, etc.

Locally or remotely controlled via a customisable mobile app

Overview

Main features

- Setpoint temperature control
- Operating mode selection
- Permanent display of room temperature, setpoint temperature, active mode, time and current day
- Adjustable Boost function for central heating or domestic hot water (via app)
- Customisable weekly and daily programming with dual optimisation function
- Automatic open-window detection

Applications

- Boiler / combi boiler : Central heating & Domestic hot water management
- Heat pump: Heating/cooling & Domestic hot water management

+ Product

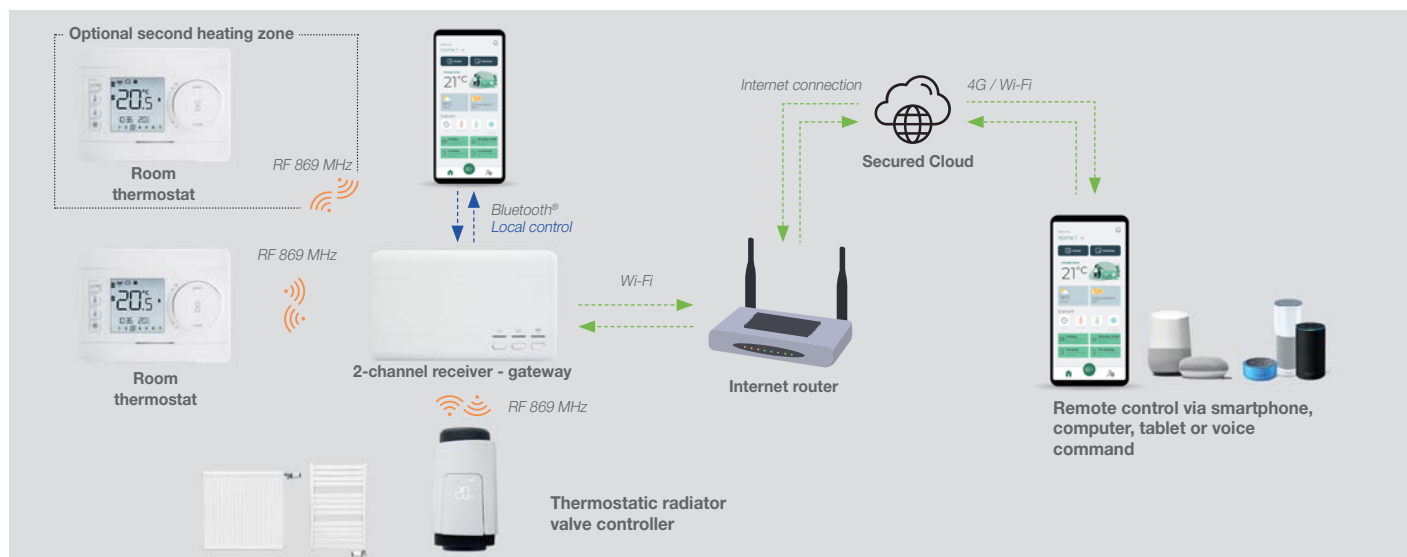
- **Quick and easy to install:** wall-mounting using the supplied mounting plate or on the provided table stand
- **White backlit display adjustable**
- **Latest-generation advanced electronics** featuring an OTA microprocessor for remote updates and access to the latest features
- **Comfort setpoint temperature range limitation**
- **Double security:** Child lock and PIN code lock
- **Automatic summer/winter changeover**
- **Manual heating/cooling changeover** for heat pump systems, with automatic adjustment of the setpoint temperatures.
- **Holiday mode:** schedule an absence period in frost protection
- **OpenTherm® diagnostic assistance**
- **Boiler/heat pump service interval** function
- **«Smart» electronic regulation:** ensures a stable and accurate room temperature all year round
- **Control of a second heating zone** via a second thermostat (optional)



Local or remote control
via the free  app ECTRL



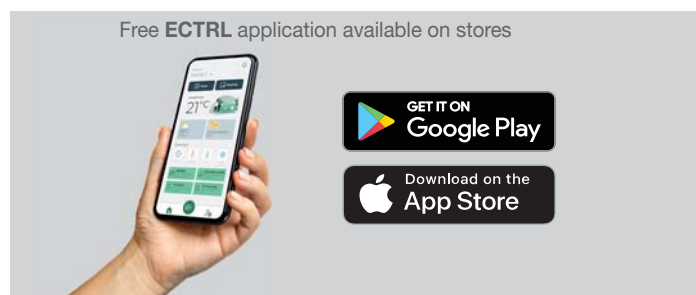
Overview of the ecosystem



Functional specifications

Connectivity via the receiver-gateway

Bluetooth®	Easy and secure pairing, local control (without Internet)
Wi-Fi	Connects directly to your Wi-Fi, without any other accessories Capacity: up to 48 connected devices
RF 869 MHz	High performance and extra long-range communication



Use

Comfort temperature setting	20°C by default in Heating mode ; 26°C by default in Cooling mode , adjustable from 7°C to 30°C
Eco temperature setting	16°C by default in Heating mode , adjustable from 5°C to 20°C 28°C by default in Cooling mode , adjustable from 8°C to 35°C
Frost protection temperature setting	7°C by default , adjustable from 5°C to 12°C
Operating Modes	Auto (programming), Comfort, Eco, Frost protection
Boost	- Central Heating: Launched from the thermostat, raises the setpoint to Comfort +2°C (Comfort -2°C in Cooling) for 1 hour adjustable up to 3 hours - Domestic Hot Water: From the app, temporarily boost hot water setpoint for 1 hour, adjustable up to 3 hours
Programming	- You have the possibility to assign: - 1, 2 or 3 Comfort periods for Central Heating - 1, 2, or 3 ON periods (DHW heating enable) for Domestic Hot water OR - A non-stop operating mode: Comfort or Eco for Central Heating, the thermostat will operate in Comfort or Eco mode for the 24 hours of the day or group of days selected ON/OFF for Domestic Hot Water - Manual and temporary overriding of an active programme
Dual optimisation feature	Depending on room parameters, the controller automatically optimises Comfort and Eco periods according to the select priority of the user; Opti Eco , priority to savings or Opti Comfort , priority to comfort (by default)
Change of batteries	Pre-installed batteries to be activated, protected by an easily accessible cover
3 levels of settings	User, Advanced, Expert

Installation

2 fitting options: on its table stand or surface-mounted on a wall

Wireless communication via radio frequency ensures : Reliability, performance, flexibility and modularity

The wireless system allows easy modification of the layout of zones without requiring any wiring changes

User settings

Time and date	- Date and time configuration - Automatic summer/winter changeover - 12/24-hour clock setting - Automatic time setting when connected to the Internet
Backlight	L2 by default, with 10 seconds of backlighting after a button press; adjustable.
Programmable Holiday mode	disabled by default , enable with Frost protection during a programmed absence period
Heating/Cooling mode	Heating mode by default
Return to the user factory settings	

Advanced settings

Automatic window-opening detection	Enabled by default , can be disabled
Min. setpoint temperature	Preset at 7°C , adjustable from 7°C to 18°C
Max. setpoint temperature	Preset at 30°C , adjustable from 19°C to 30°C

PIN code	Setup - Customization - Enable and Disable
Boiler or heat pump service Interval function (disabled by default, can be enabled)	
Reset to user and advanced factory settings	
Dual optimisation feature	Opti Comfort by default

Expert settings

Type of installation	Relay or OpenTherm®
Opentherm® settings	Auto or manual
Temperature adjustment	Ambient temperature sensor calibration with automatic compensation
Type of control	PID or ON/OFF
Central heating pump protection	Enabled by default, can be disabled
Reset to user, advanced and expert factory settings	

Technical specifications

Dimensional, weight and finish specifications

Height	95mm
Width	126mm
Depth	21mm (without table stand)
Color	White
Net weight	198 gr

Power supply

2 x 1.5 V LR6 alkaline batteries	Battery life: typically 2 years
Associated Relay output (receiver -gateway)	2x 3(1)A - 230V~50/60Hz

Control

Control type	PID by default
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Radio transmission

Frequency range	869.725-869.975 MHz
Bandwidth	125 kHz
Radiated power EIRP	< 10dBm
Receiver category	2

Bluetooth®

Frequency range	2400-2483.5 MHz
Radiated power EIRP	< 20 dBm
Receiver category	1

Environment

Protection rating	IP20
Operating temperature	0°C to 40°C
Storage temperature	-20°C to +70°C
Max. humidity level	85% at +25°C (without condensation)

Product codes

Code	Description
ERT7RF2CIMHA	Wireless connected programmable room thermostat with dual channel receiver-gateway

Compatible product(s) (sold separately)

Code	Description
Thermostatic head	
ETRVRFIMHA	Smart and connected thermostatic radiator valve controller for hydraulic radiators, white and anthracite grey

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



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