user manual inside

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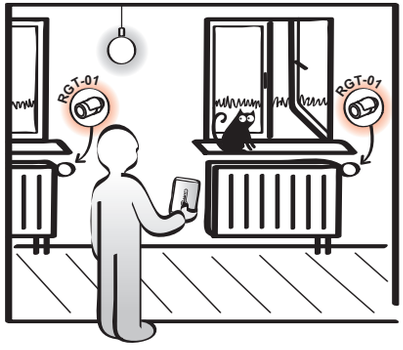
SCAN

the technical data

ELECTRONIC THERMOSTATIC RADIATOR CONTROLLER
RGT-01

- for autonomous operation or as a part of EXTA LIFE system
- enables configuring temperature for 24-hour and weekly cycles
- manual mode (outside schedule)
- changing operation method and changing settings from app
- with selected parameters configurable
- with clear LCD screen
- optimised energy consumption
- battery-operated
- compatible with M30 x 1.5 valves or valve inserts
- adjustable valve closing force

RGT-01 is an electronic thermostatic radiator controller for use as an alternative to standard type valves. With temperature setting in a 24-hour and weekly cycle combined with several additional features to improve indoor thermal comfort and significantly reduce costs of heating. The radiator controller is designed for autonomous operation or for use as a part of EXTA LIFE system with an EFC-01 control unit. When used with EXTA LIFE system, the controller can be set and reconfigured at any time, and from any location using the mobile app. The power to the radiator controller is supplied from LR6 1.5V AA batteries. RGT-01 is designed for use with M30 x 1.5 valves and thermostatic radiator valves (valves with different thread type require special adapters). The valve closing force is settable in 6 steps on the controller itself. With integrated temperature sensor.



ZAMEL Sp. z o.o. certifies that this device meets the essential requirements and applicable provisions of the directive 2014/53/EU. The Declaration of Conformity is available at www.zamel.com

Made in Poland

3 V DC 2x 1,5 V LR6 AA; IP20
Net weight: 0,178 kg
PN-ETSI EN 300 220-1
PN-ETSI EN 300 220-2

Do not dispose of this device with other waste! In order to avoid harmful effects on the environment and human health, the used device should be stored in designated areas. For this purpose, you can dispose of household waste free of charge and in any quantity to a collection point set up, as well as to the shop when you buy new equipment.

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- integrated temperature sensor
- encrypted RF transmission
- operating range: 300 m in open areas
- battery-operated

ELECTRONIC THERMOSTATIC RADIATOR CONTROLLER RGT-01

SMART HOME

exta life

user manual inside

ELECTRONIC THERMOSTATIC RADIATOR CONTROLLER **RGT-01**

TECHNICAL DATA

Rated supply voltage:	3.0 V
Battery type:	2 x 1.5 V LR6 AA
Battery life:*	6–8 months (one heating season)
Low battery indication:	yes
Radio transmission:	ISM band (f = 868.50 MHz)
Data encoding:	128-bit key algorithm
Operating range:**	max. 300 m in open areas
Range expandable:	yes, with a REP-21 retransmitter
User interface:	LCD screen + 5 x control buttons
Compatible with valves/valve insert thread:***	M30 x 1.5
Temperature sensor type:	NTC, integrated into RGT-01 radiator controller
Supports an external sensor:	no
Temperature setpoint range:	+5 to +50°C
Temperature measurement resolution:	0.5°C
Measurement time t_P:	60 s to 30 min
Synchronization time t_S:	t_S = M x t_P – defined as a multiplier for “Measurement period” within the range from 60 s to 6 h
Hysteresis (upper/lower):	configurable within 0 to +5°C
Alarm temperatures:	minimum: configurable from +3 to +15°C maximum: configurable from +50 to +90°C
Allowable working temperature:	-10 to +55°C
Enclosure protection rating:	IP20
Protection class:	III
Dimensions:	length 88 mm, diameter 54.5 mm (without adapter)
Weight:	0.178 kg
Reference standards:	PN-ETSI EN 300 220-1, PN-ETSI EN 300 220-2

* Battery life largely depends on individual setpoints on the thermostatic radiator controller and dynamics of temperature changes in a room (i.e. how often the Zamor radiator controller closes/opens the valve). The most important parameters are “Measurement time” and the associated “Synchronization time”. The lower the parameter values, the higher the battery consumption. By default “Measurement time=10 min” and “Synchronization time=20 min”

** The transmission range is specified for the ideal transmission conditions, i.e. open areas free of obstacles. If there are the following obstacle types between the radiator controller and the control unit, expect the transmission range to be reduced by 10 to 40% for brickwork, 5 to 20% for wood and drywall, 40 to 80% for reinforced concrete, 90 to 100% by metal, and 10 to 20% by glass. The transmission range is also adversely affected by overhead and underground high-voltage power lines and GSM transmitter bases located near the devices.

*** In case of valves or thermostatic valve inserts with thread diameter different than specified, you need to use special adapters. Apart from the thread size, it may also be necessary to use an adapter if the valve/valve insert thread pitch is not compatible with the standard version.

DESCRIPTION

RGT-01 is an electronic thermostatic radiator controller for use as an alternative to standard type valves. With temperature setting in a 24-hour and weekly cycle combined with several additional features to improve indoor thermal comfort and significantly reduce costs of heating. The radiator controller is designed for autonomous operation or for use as a part of EXTA LIFE system with an EFC-01 control unit. When used with EXTA LIFE system, the controller can be set and reconfigured at any time, and from any location using the mobile app. The power to the radiator controller is supplied from LR6 1.5V AA batteries. RGT-01 is designed for use with M30 x 1.5 valves and thermostatic radiator valves (valves with different thread types require special adapters). The valve closing force is configurable in 6 steps on the radiator controller itself which enables the user to adjust the force to different radiator valve types. With integrated temperature sensor.

FEATURES

- For autonomous operation or as a part of EXTA LIFE system.
- Enables configuring temperature for 24-hour and weekly cycles.
- Manual mode (outside schedule).
- Changing operation method and changing settings from app.
- With selected parameters configurable.
- With clear LCD screen.
- Optimised energy consumption.
- Battery-operated.
- Compatible with M30 x 1.5 valves or valve inserts.
- Adjustable valve closing force.