HencoLogic

RF thermostatic radiator head

CU–RADTHERMRF manual

The key to optimal temperature control

Programmable electronic thermostatic head for radiators.
Can only be used as a standalone device.

Stroke speed:	2mm–1mm/s.
Protection:	Class I – IP20.
Power supply:	2 AA LRO6 1.5V Alkaline. Actuator force 70N.
Compliant with:	EMC 2014/30/EU, RED 2014/53/EU, LVD 2014/35/EU, GPSD 2001/95/EC, RoHS 2011/65/EU.

RF thermostatic radiator head

CU-RADTHERMRF

The HencoLogic programmable electronic thermostatic head is designed for the control of domestic water-based radiators. The thermostatic head can be used as a stand-alone device.

Room temperature	Temperature control
0÷50°C	5÷30°C

The programmable electronic thermostatic head with LCD display is designed to control various types of water-based radiators, optimise energy consumption and enhance home comfort:
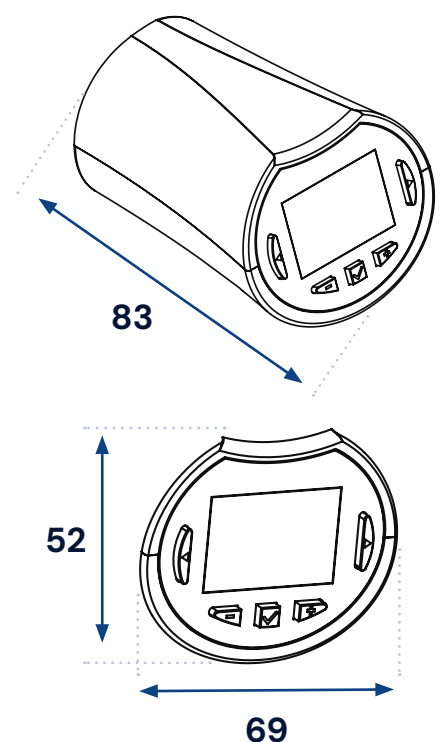• modern design;
• stand-alone version
• "easy programme creation" function;
• weekly programming with increments of 30 mins;
• temporary override function;
• anti-freeze function;
• adaptive PID control for enhanced comfort and energy savings;
• non-volatile EEPROM memory;
• 2 rechargeable AA (LR6) batteries;
• 2 parameter menus (user and installer);
• 3 types of adapter for fitting on water-based radiators: M30x1.5, M28x1.5, TRV Series valve.
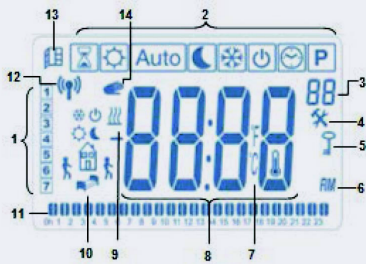
Technical specifications

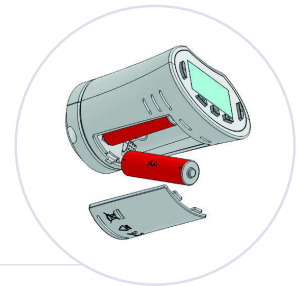|	
Environmental conditions: Operating temperature	0÷50°C
Shipping and storage temperature	–10÷50°C
IP rating	IP20
Protection class	Class I
Temperature accuracy	0.1°C
Comfort and reduced T setting range (°C)	5÷30°C (with increments of 0.5°C)
Anti-freeze	7.0°C (adjustable)
Timer/Boost	5÷30°C
Setting characteristics	PID
Maximum stroke	3.5 mm
Maximum force	70 N
Differential pressure	1.5 bar
Power supply	2 AA 1.5V alkaline batteries
Service life	>2 years
Radio frequency	868.3 MHz, <10 mW
Software version	Shown in parameter menu No. 19 v X.X
Compatible with	BT-CT02 RF central control unit
Directives	EMC 2014/30/EU
	LVD 2014/35/EU
	RED 2014/53/EU
	GPSD 2001/95/EC
	RoHS 2011/65/EU

Dimensions

In mm

83

52

69

Operation

1. Current day of the week.
2. Operating mode menu (the active mode is framed).
3. Programme number or parameter number if " " is displayed.
4. Installation parameter menu.
5. Keypad locked indicator.
6. AM or PM indicator for 12-hour clock mode.
7. Unit of temperature measurement indicator (°C or °F).
9. Temperature and/or clock setting.
9. Heating demand indicator.
10. Icon for the creation and status of a programme in standard operating mode.
11. Current day's programme (the current time bar flashes).
12. RF signal transmission icon.
13. Window open icon.
14. Temporary override function ON (Timer/Boost mode).

Installation

Fitting the batteries:

• open the battery compartment cover and insert **2 AA alkaline batteries**
• close the battery compartment cover.

Note: The batteries can be changed with the head installed.

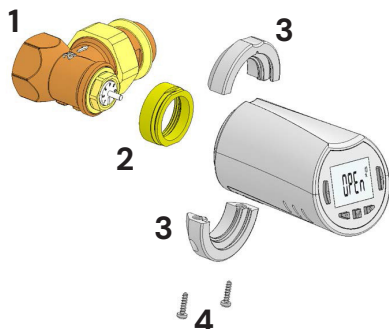## Installation of the programmable thermostatic head:

Motor activation menu

• fully open the programmable thermostatic head;

• go to parameter menu **No. 10** by pressing and **holding button (V) for more than 5 seconds**.

The screen shown below will appear:

• **press (V) to confirm**. The display shows the message **Open**. Wait for the back-lighting to switch off. The motor opens the device fully (the message **Open** will flash during this operation). When the programmable thermostatic head is fully open, the message Open stops flashing and the backlighting comes back on. You can now install the programmable thermostatic head on the thermostat-adaptable valve of the radiator.

1. Radiator valve
2. Adapter
3. Plastic brackets
4. Fixing screws

Fitting

1	**2**	**3**	**4**
Screw the adapter onto the valve body	Fix the brackets to the adapter nut and the head	Fix the two screws to the brackets	Press (v) to finish (**Close**)

Specification text

CU–RADTHERMRF
Programmable electronic thermostatic head Henco brand HencoLogic Series for the electronic control of individual radiators. For use as a stand–alone device. 9 pre–set and 4 user programmes. Actuator stroke speed: 2mm/s. Power supply: 2 AA LR06 batteries. Actuator force 70N. Automatic compensation of valve actuator stroke during installation. Light blue back–lit display. Soft–touch keypad for programming and use. Keypad lock mode. Double temperature sensor, radiator side and room side. Window open function. Valve seal anti–seizing function. Compliant with: EMC 2014/30/EU, RED 2014/53/EU, LVD 2014/35/EU, GPSD 2001/95/EC, RoHS 2011/65/EU.

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