

Electronic Room Thermostat with Radio Receiver

Model: CFE



Quick Guide

INTRODUCTION

CFE is a digital room thermosat used to control room temperature. Device launching heating system by shorting terminal blocks, simultaneously informing the action and showing this information on the LCD display. Before use please read this manual carefully. Use only AA 1.5 V alkaline batteries in the thermostat. Place the batteries into the battery slot located under the cover. Do not use rechargeable batteries

PRODUCT COMPLIANCE

This product complies with the essential requirements and other relevant provisions of the following EU Directives: EMC 2014/30/ EU, LVD 2014/35/EU, RED 2014/53/EU and RoHS 2011/65/EU. (**(()**) 868.0-868.6MHz; <13dBm

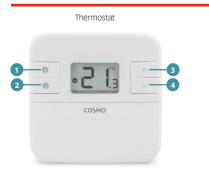
SAFETY INFORMATION

Use in accordance to national and EU regulations. Use the device as intended, keeping it in dry condition. Product for indoor use only. Installation must be carried out by a qualified person in accordance to national and EU regulations

TECHNICAL SPECIFICATION

Thermostat supply	2 x AA Alkalie Batterien	
Receiver supply	230 V AC	
Receiver rating max	16 (5) A	
Outputs	Voltage free NO / COM terminals	
Temperature range	5 - 35°C	

BUTTON FUNCTIONS



- 1. Turn on the I CD backlight
- 2. Turn on/off the Frost Mode
- 3. Increase button
- 4. Decrease button



5. When in Manual Mode. ON will turn the boiler on 6. When in Manual Mode, OFF will turn the boiler off 7. Receiver operates in automatic mode according to the thermostat.

8. Receiver output is controlled by the On/Off slide switch.

LCD ICON DESCRIPTION



- 1. Heating Mode On
- 2. Frost Protection Mode On
- 3. RF signal indicator
- 4. Low battery status 5. Temperature unit
- 6. Room / setpoint temperature

RECEIVER TERMINALS DESCRIPTION



TERMINAL	DESCRIPTION	
NO	Switch Terminal	
COM	Common Switch Terminal	
L, N	Supply (230 V AC)	

DIP SWITCH SETTINGS

of your thermostat.



TPI

Span

OPERATION CONTROL When TPI is selected on DIP switch No. 2, the DIP switch No. 1 is functional. You can choose the Cycles Per Hour between a lower comfort level (6CPH) and a higher comfort level (9CPH). When Span is selected on DIP switch No. 2, the DIP switch No. 1 is not functional. The temperature accuracy of your thermostat is set to ± 0.25 °C.

The DIP Switches can be found on the rear

WIRING DIAGRAM

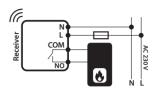
Instat Therr

Note: For the CFE pack, the pairing between the thermostat and the receiver is already done.

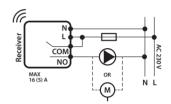
BOILER

PUMP









CHANGE THE SETPOINT **TEMPERATURE**



Actual room temperature



Press \wedge or \vee to set the temperature.

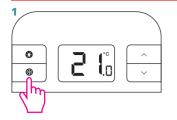


2 seconds timeout.



Actual room temperature

FROST PROTECTION



Press 🛞 button to turn on/off frost protection.

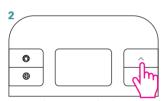


The Frostpoint temperature can be reviewed by pressing the \checkmark button once, but can only be changed in Installer Mode.

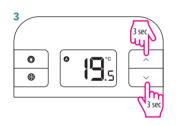
SLEEP MODE



When Sleep Mode is active all the thermostat functions will be paused.



Press any button to stop the Sleep Mode.





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February 2020 V003





PAIRING THE THERMOSTAT WITH THE RECEIVER

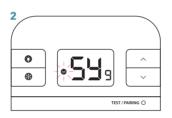
 $\ensuremath{\text{Note:}}$ For the $\ensuremath{\text{CFE}}$ pack, the pairing between the thermostat and the receiver is already done.

If you want to re-pair thermostat with the receiver, make sure that the device is disconnected from the power supply and the switches on the receiver have been set to AUTO and ON. Then connect the receiver to the power supply and wait for the red LED to light steadily. Then switch to the OFF position and again to ON position quickly. The red flashing LED will confirm entering the pairing mode.

BEGIN THE PAIRING PROCESS

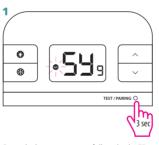


Press and hold TEST / PAIRING button for 3 seconds.



Pairing process can take up to 9 minutes.

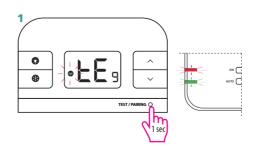
END THE PAIRING PROCESS



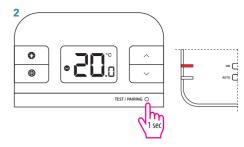
Once devices are successfully paired, LED on the receiver will go solid red. Press and hold TEST / PAIRING button for 3 seconds to end the pairing process.



TEST THE PAIRING PROCESS



Press TEST / PAIRING button to check the connection with the receiver.

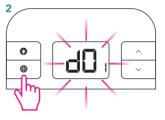


Press TEST / PAIRING button again to return to the main screen.

INSTALLER MODE



Press three buttons at the same time for 3 seconds.



DXX	FUNCTION	PARAM- ETER	DEFAULT VALUE
d01	Temperature display increments	0.1°C or 0.5°C	0.5°C
d02	Temperature offset	± 3.0°C	0.0°C
d03	Frost Protection set- point temperature	5.0°C - 17.0°C	5.0°C

RESET



Remove the batteries without pressing any button. Wait 2 minutes and insert the batteries again. Your device will be restarted.

When you want to change the batteries your device will use the internal memory to backup your settings. You have 30 seconds to change the batteries before losing your settings.

Note: If you do not notice the "low battery" symbol displayed on the screen in time, it will shut down. In this case, after removing the old batteries, it is necessary to wait 5 minutes before inserting the new batteries. Otherwise, it is possible that a condenser will remain partially discharged and it can prevent the thermostat from restarting.