

# ((**Ç**)) 868.0-868.6MHz; <13dBm **Safety Information**

Conformity is available on www.saluslegal.com

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

	RT510 Thermostat	RT510TX Thermostat
Thermostat supply	2 x AA alkaline batteries	2 x AA alkaline batteries
Thermostat rating max	3 (1) A	-
Outputs	Voltage free NO / COM / NC terminals	-
Temperature range	5 - 35°C	5 - 35°C
Temperature accuracy	0.1°C or 0.5°C	0.1°C or 0.5°C
Control algorithm	TPI or hysteresis ±0.25°C	TPI or hysteresis ±0.25°C
Radio frequency	-	868 MHz
Dimension [mm]	120x96x27	120x96x27

RXRT510 Receiver		
Receiver supply	230 V AC	
Receiver rating max	16 (5) A	
Outputs	Voltage free NO / COM terminals	
Radio frequency	868 MHz	
Dimension [mm]	96x96x27	

# RXRT510 Receiver GEALUS \_\_\_\_ OFF • MANUA 6 When in Manual Mode. ON will turn the boiler on. When in Manual Mode, 7. OFF will turn the boiler off. 8. Receiver operates in automatic mode according to the thermostat Receiver output is controlled 9. by the On/Off slide switch. 1. Day of the week Program number 2. Program indicator 4. Settings 5. Temperature measured / set 6. Boost function Low battery status Wireless connection with the receiver 9. Heating Mode On 10. Manual Mode On 11. Holiday Mode On 12. Frost Protection Mode On 13. Temperature unit 14. AM / PM

Terminal	Description	
1 - COM	Common Terminal	00 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
2 - NC	Switched Live OFF	
3 - NO	Switched Live ON	

15. Clock

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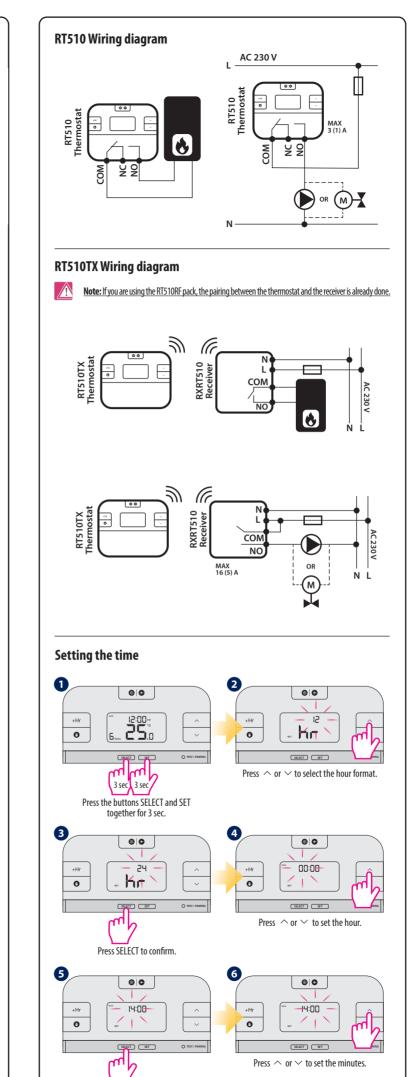
#### **RXRT510 Receiver terminals description**

Terminal	Description	
NO	Switch Terminal	
СОМ	Common Switch Terminal	
L, N	Supply (230 V AC)	REALING REAL STATES

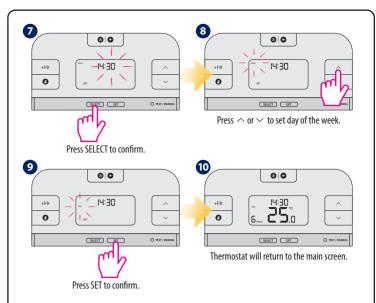
#### **DIP Switch Settings**

The DIP Switches can be found on the rear of your thermostat.

ON ON	Control feature	TPI	Span
9CPH 5pan ±0.25*C	Operation	When TPI is selected on DIP switch № 2, the DIP switch № 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 N° 2, the DIP switch N° 1 is not functional. The temperature accuracy of your thermostat is set to $\pm 0.25$ °C.

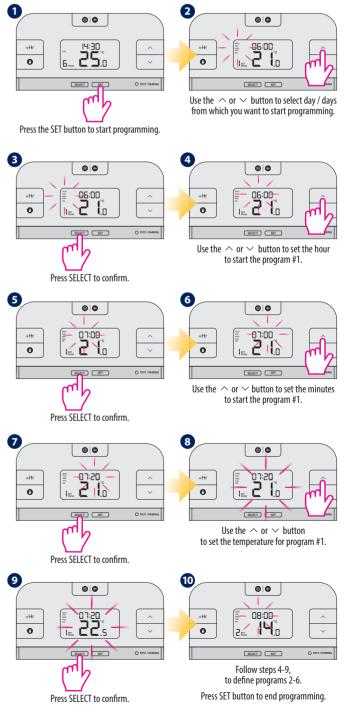


Press SELECT to confirm.



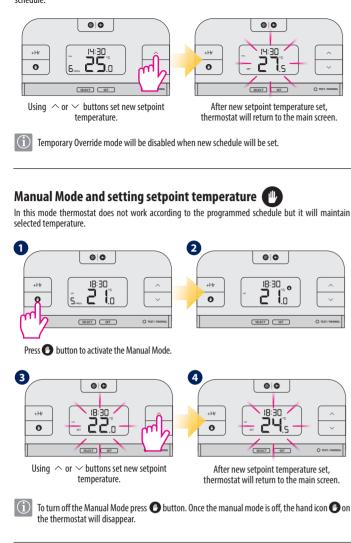
### Programming - automatic mode

In this mode, user can set the schedules for thermostat (temperature setpoints for specific periods of time). To do this, firstly choose programming mode: "5-2" (business days + weekend) or "24h" (each day separately) using parameter d04 from Installer mode. Programmed schedules should use all time periods.



### **Temporary Override Mode**

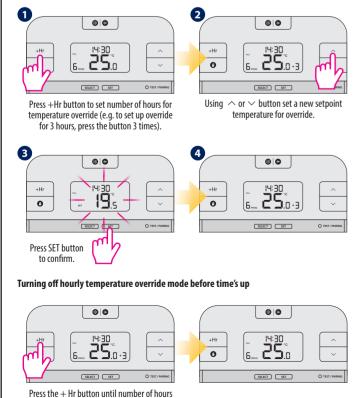
This function is available only in automatic mode (schedule). If a new setpoint temperature will be set during the schedule - it will be maintained until next time interval starts according to programmed schedule.



### Hourly temperature Override Mode (+Hr)

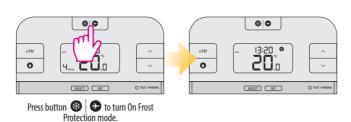
disappears from display.

This function is available in Automatic and Manual Mode. It is used to change the setpoint temperature for a specified number of hours (up to 9 hours). Once that time is over, thermostat returns to previous mode.

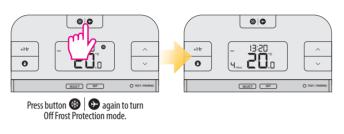




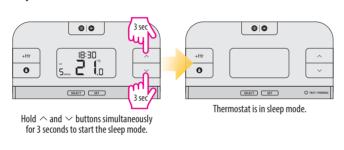
Temperature of the Frost Protection mode is set as default at 5°C. This temperature can be changed in Installer Mode in d03 parameter.



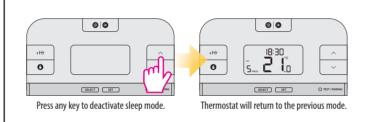
#### Turning Off the Frost Protection Mode



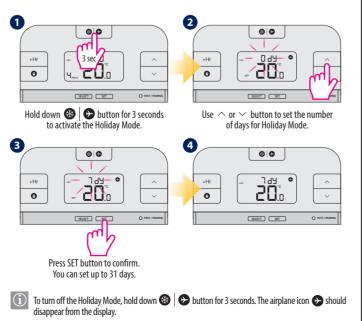
### Sleep mode



(i) When the sleep mode is activated, all thermostat functions are paused.



Holiday Mode In this mode the "frost protection" temperature is maintained for a specific number of days.

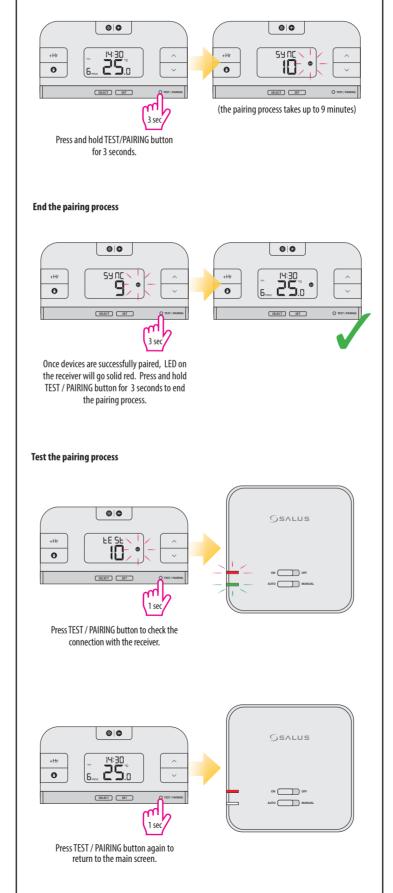


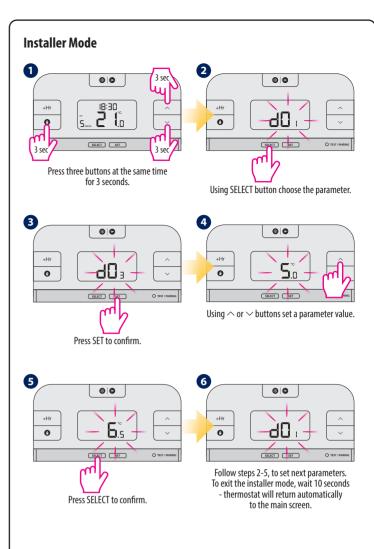
## RT510TX thermostat pairing with the receiver

Note: If you are using the RT510RF pack, the pairing between the thermostat and the receiver is already done.

If you bought the RT510TX and RXRT510 separately or 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





dxx	Function	Parameter	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 setpoint temperature	5.0°C - 17.0°C	5.0°C
d04	Programmer selection	5/2 or 24 hr (7d)	52d

### Reset of the RT510 thermostat



Press the RESET button once. You can use a paper clip. Your thermostat will be reset and will start up automatically.

### Reset of the RT510TX thermostat



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.