



WIRELESS RADIATOR THERMOSTAT



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TECHNICAL DATA	
Attachment	M30x1.5
Radio band	EU868
RF power	< +14dbm
Radio modulation	LoRa
Firmware update	via radio (OTA)
Power supply	2 alkaline batteries 1.5V – LR6 – AA (do not use rechargeable batteries)

up to 24 months (dependent on mode of use)

Celsius (°C) 2 ÷ 30 °C: increment 0.1 °C Temperature adjustment scale 0 to 40°C Operating temperature Storage temperature -20 ÷ 65 °C 20 ÷ 80% (90% without condensation) Relative storage humidity Protection rating IP30 89.8 x Ø 54.2 mm Directive 2014/30/EU (EMC); Directive 2014/35/EU (LVD); Directive 2014/53/EU (RED)

Product not manufactured in Italy.





* when combined with CH180WIFIRL

Thank you for purchasing the Fantini Cosmi wireless radiator thermostat, model 070RLThis manual

contains all the information required for a correct installation and use. You can also download this manual in digital format and in several languages by framing the QR code below and entering the product code.







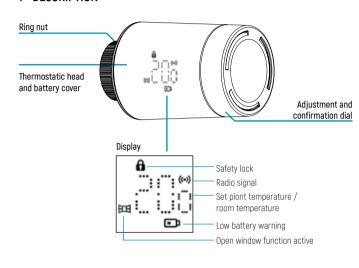


ΙΤΔΙ ΙΔΝΟ ENGLISH FRANCAIS

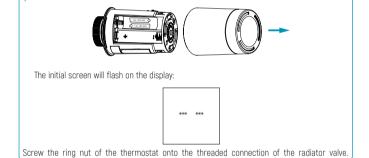
LoRa

DEUTSCH РУССКИЙ **УКРАЇНСЬКИЙ**

1 - DESCRIPTION



2 - INSTALLATION



1 nove the thermostat cover and insert two AA 1.5 V batteries, observing correct polarity:





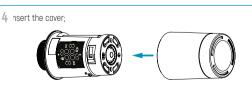
070RL installs on all thermostat valves with M30x1.5 connection;

If necessary, use the most suitable adapter (not included in the package) for other valve

types:		
CODE	DESCRIPTION	
309703A	IRSAP/CALEFFI valve adapter	0
309704	Giacomini valve adapter	٥
309706A	FAR valve adapter	8

3 ate the O70RL body so that the display is in a clearly visible position.





070RL will perform automatic calibration which will also occur also each time the cover is reinserted. During the calibration phase, the screen shown here is displayed.



In the event of a calibration error, the **Erc** screen appears on the display. Check that the valve is properly secured or check the condition of the batteries.

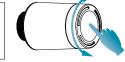
5 ine the orientation of the display by turning the dial until the word UP is correctly positioned; confirm by pressing the dial.











6 lio activation:

Autonomy

Combination with multi-zone temperature control system

Select YES to associate the thermostat with the Fantini Cosmi RL multi-zone temperature control system (chapter 2.1 - RADIO SYSTEM CONFIGURATION paragraph 2). To exit the radio pairing phase, perform a reset as per point 4.1 - RESTORING FACTORY SETTINGS.



Using the device in stand-alone mode

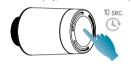
Select NO to use the device without association with the Fantini Cosmi RL multi-zone temperature control system.



At any time it is however possible to activate the radio function and associate the O70RL with the Fantini Cosmi RL multi-zone temperature control system (chapter 2.1 - RADIO SYSTEM CONFIGURATION).

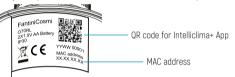
2.1 - RADIO SYSTEM CONFIGURATION (OPTIONAL)

Activate the radio function by pressing and holding the rotary dial for 10 seconds after activation of the display, until the ${\bf r}{\bf F}$ screen appears





Perform pairing from the CH180WIFIRL master device by selecting the MAC address of the thermostat to be paired (as shown on the label located under the cover).



Alternatively, the thermostat can be associated with the CH180WIFIRL master device directly from the Intelliclima+ application by framing the QR code on the label.

To confirm successful association with the CH180WIFIRL, the desired temperature (default 20.0 °C) and the radio icon appear on the thermostat



At any time, it is possible to exit the radio pairing phase by resetting the device as indicated under 4.1 - RESTORING FACTORY SETTINGS.

3 - USE

3.1 - SWITCHING ON THE DISPLAY AND TEMPERATURE DISPLAY

After 5 seconds of inactivity, the O70RL will go into stand-by mode, switching off the display. To reactivate the display, press or turn the control dial slightly. The desired temperature appears on the display (default 20.0 °C).

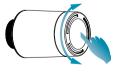


LOW BATTERY WARNING

When the batteries are running low the icon flashes once every hour. When the batteries are completely depleted, it will no longer be possible to operate the device, which will go to OFF.

Low battery test: remove and replace cover. If the low battery symbol flashes, this means that the batteries are running low and need to be replaced.

3.2 - SETTING THE TEMPERATURE



To confirm, wait a few seconds or press the rotary dial; a flash indicates that the changes have been saved.

Lowering the temperature beyond the minimum limit will activate the "OFF" mode and the antifreeze function at 2°C.

3.3 - SAFETY LOCK



With the display active, it is possible to deactivate the setting change by pressing the dial for 5 seconds until the LOc screen appears.



Activation of the function is confirmed by the presence of the lock icon on the display.



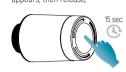
To deactivate the safety lock function, with the display active, press the dial again for 5 seconds until the lock icon disappears from the display.

3.4 - OPEN WINDOW FUNCTION

When this function is enabled (see Chapter 4 - CHANGING SETTINGS), the device goes into OFF when an abrupt drop in the room temperature is detected, avoiding energy waste.

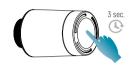
4 - CHANGING SETTINGS

1. To change settings, activate the display and press the dial for 15 seconds until the ${f lns}$ screen appears, then release;





- 2. Turn the dial to select the parameter you wish to change (see SETTINGS MENU list) and press to enter;
- 3. Turn the dial to select the desired value and press to confirm. When released, a flash confirms
- 4. To exit the settings menu completely, wait 10 seconds or press the dial for 3 seconds





SETTINGS MENU

Setting brightness

The default value can be changed to adjust the brightness of the display.

Default value = 03 01 (min) - 05 (max)

Room temperature display

When this function is enabled, the display will show the detected room temperature when it is

Default value = OFF (disabled)

OFF = Turning the dial always displays the desired temperature

ON = Pressing the dial to switch on the display shows the room temperature

ੀ is Display orientation

Allows you to change the desired display orientation.

Correction of detected temperature (OFFSET) *

If you notice a gap between the temperature measured in the room (thermometer) and the temperature displayed on the valve, you can correct the value to be displayed.

-5 - 5

Minimum temperature limit *

A user-settable minimum temperature threshold (Set Point) can be set

Default value = 2°C

2.0 °C ÷ tH

Maximum temperature limit *

A maximum temperature threshold can be set by the user (Set Point).

Default value = 30°C

tL ÷ 30.0 °C

The frequency of automatic forced valve actuation can be set. This function remains active even when the thermostat is in OFF mode.

Default value = 30 days

1 - 99, OFF

View release

The display shows the firmware and hardware version installed on the device.

Temperature control modes

Displays the valve setting mode

LOc = room temperature reading from O70RL (default)

Ren = room temperature reading from remote thermostat (if present)

dC = direct control

die Open window function

When this function is enabled, the device goes into OFF when an abrupt drop in room temperature is detected, avoiding energy waste, and the open window icon appears on the display.



To restore normal operation, wait 30 minutes or use the control dial. Default value = OFF (disabled)

OFF = Function disabled

ON = Function enabled

* Function only available for stand-alone use. If connected to the multi-zone system, the parameter will be managed by the CH180WIFIRL master device.

4.1 - RESTORING FACTORY SETTINGS

Remove the battery compartment cover;

Press and hold the reset button until the display is reset:



Replace the cover and repeat the initial installation procedure (Chapter 1 - INSTALLATION - paragraph 4)