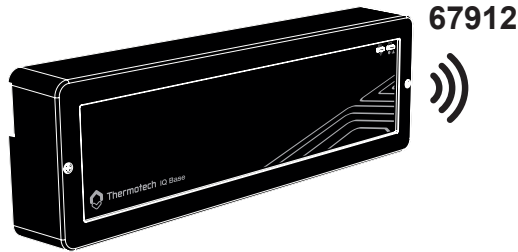


# Quick guide

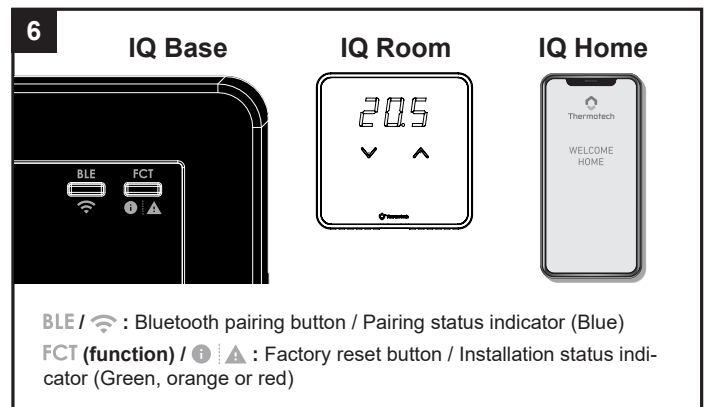
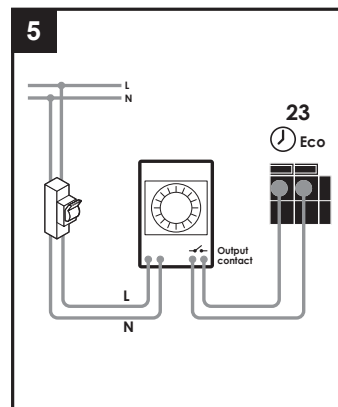
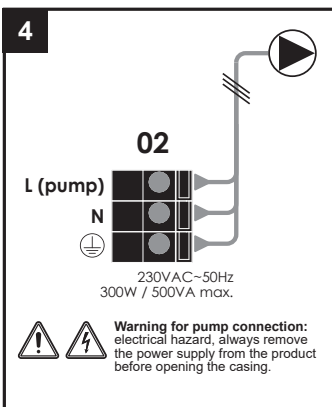
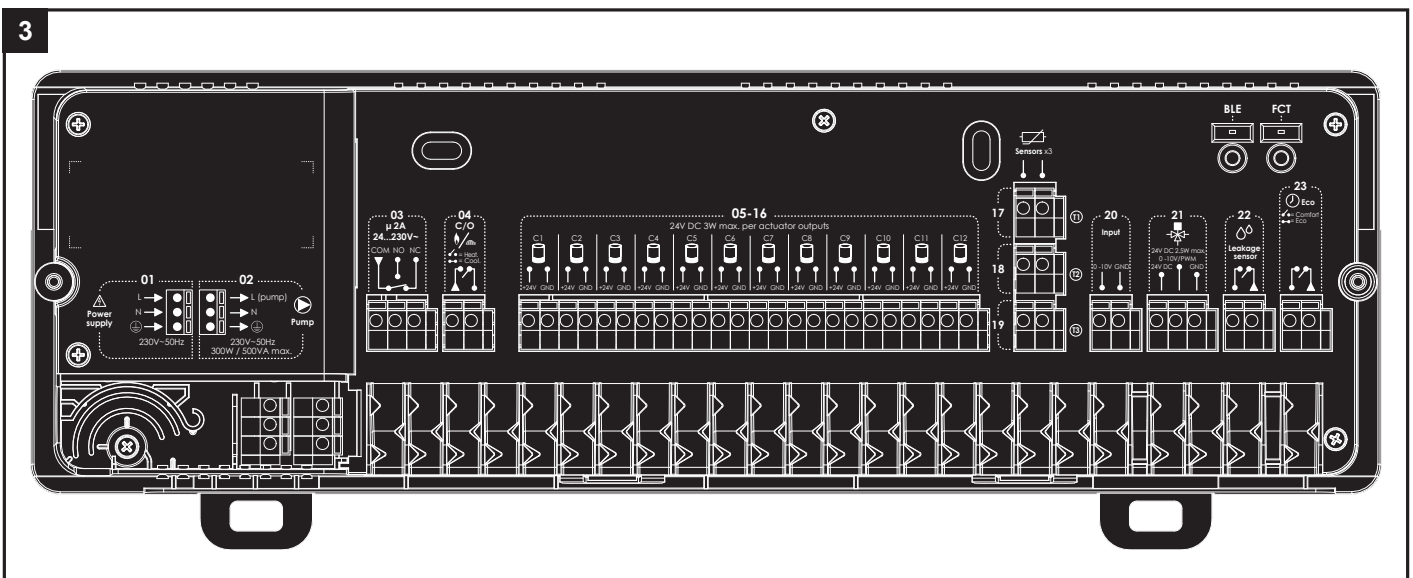
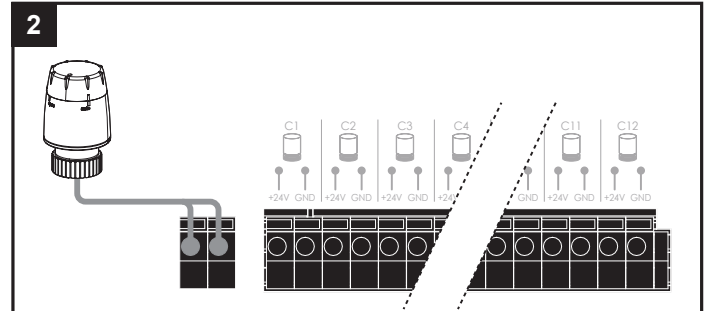
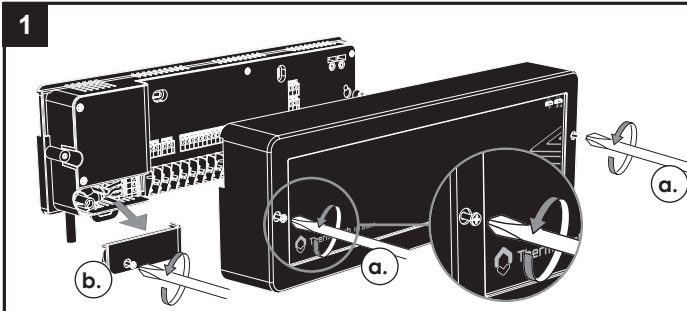
**IQ Base**  
**Wireless control unit**  
**(24 VDC)**



**ENG**

**Thermotech**

**IQ Home**



## 1 Mounting and installation

- Only a professional installer is authorised to install and service the product. Control unit is intended for fixed installation only.
- Loosen the screw in the centre of the connection unit.
- Remove the front cover.
- Remove the lower casing and attach the control unit to the wall using the attached screws, you can also mount the unit on a DIN rail.

## 2 Connection of thermal actuators

- Connect actuators to desired channels on the control unit.
- C1 to C12: only 1 actuator connected per channel.

## 4 Pump control

- Circulation pump can be connected to the control unit.
- Pump output is turned on when at least one channel is in heat demand.

## 5 ECO-Mode

- An external clock could be installed with a time controlled lowering of the preset temperature by 3°C.

## Power up

- Once all the wiring is made and the front cover is back on, plug the control unit on a socket.

## 6 Pairing the IQ Base with the App and room thermostats

- Download the IQ Home Application on your smartphone.
- Stay in front of IQ Base (less than 5 meters) and launch the IQ Home application.
- Follow the instructions on your smartphone (during this step, Bluetooth will be activated automatically on your smartphone for the pairing).
- Once the pairing between IQ Base and your smartphone is done, then follow the instruction through the IQ Home APP to pair the room thermostats.
- You can connect up to 3 controllers to your IQ Home application.

## Actuator configuration

- The factory actuator setting is NC (Normally Closed). To change this setting to NO (Normally Open) please refer to IQ Home application settings menu.

## Thermostats identification

- To identify the thermostats associated to the IQBase, please activate the identification function on the IQ Home application in the settings menu.



## Factory reset

Press and hold on the **FCT** button until the reset is completed (15 sec).

The sequence is as follow:

- After **5** sec, the **BLE** /  led start to blink. Releasing the button

will abort the sequence.

- After **13** sec, the **BLE** /  led is blinking faster. Reset started.
- When the **BLE** /  led is turned OFF, the unit returns to normal operating mode. The reset is over, the factory settings have been restored (all pairings have been erased).

## Troubleshooting

Led status	
All leds off	Check the power supply
FCT Led solid green	Product is powered ON
FCT Led blinking red	Warning, default on the system, please refer to your mobile application's default list
FCT Led blinking orange	Batteries on a thermostat are nearly empty, please refer to your mobile application to identify which one
BLE Led indicator blinking blue	The receiver has lost the bluetooth connection, please enable bluetooth on your phone, open the mobile app and move closer to the receiver
The pump is not operating	Check the cable for the pump and the function of the pump Check that at least one actuator is open

## Technical data

<b>Power supply</b>	<b>01</b>	230V AC +/-10% 50Hz	
<b>Outputs</b>	<b>02</b>	Circulation pump	Pump switch phase: 2A/230VAC max 300W-500VA max.
	<b>03</b>	Heating cooling relay contact	Potential free contact: 2A/230VAC max
	<b>05...16</b>	12 channel controls	1 thermo electric actuator 24VDC / 3Wmax (per channel)
	<b>21</b>	3-way valve	Power supply output 24VDC, 2.5W max Control signal DC 0-10V or 10V PWM, load 500 Ohms max
<b>Inputs</b>	<b>04</b>	CO input	External switch input (internal 24VDC, 5 mA)
	<b>17...19</b>	Temperature sensor	NTC 100kOhm at 25°C
	<b>20</b>	Input	DC 0-10V input impedance > 100 kOhm
	<b>22</b>	Leakage sensor input	External switch input (internal 24VDC, 5 mA)
<b>Frequency</b>		BLE	2400-2483MHz, Power: <10dbm / Receiver Category 1
		LORA	869.725-869.975Mhz, Power:<14dbm / Receiver Category 2
<b>Environment</b>		Protection rating	IP20
		Class	Class I
		Operating temperature	0°C to +45°C
		Storage temperature	-20°C to +70°C
		Max. humidity level	80% at +25°C (non condensing)

## SIMPLIFIED EU DECLARATION OF CONFORMITY :

Hereby, Thermotech declares that the radio equipment type, Wireless control unit IQ Base/67912, is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.thermotech.se/dokumentation/>



To download the detailed instructions, please scan the QR code

