



Yokis 5454489 Digital Thermostat With Direct Wireless Connection Installation Guide

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URMET GROUP

DIGITAL THERMOSTAT WITH DIRECT OR WIRELESS CONNECTION



THERMARP
Réf./Cod. 5454489
QUICK INSTALLATION GUIDE

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USING THE DEVICE

To use and configure the THERMARP thermostat, download the instruction manual by scanning the following QR Code with the camera of your smartphone or tablet.

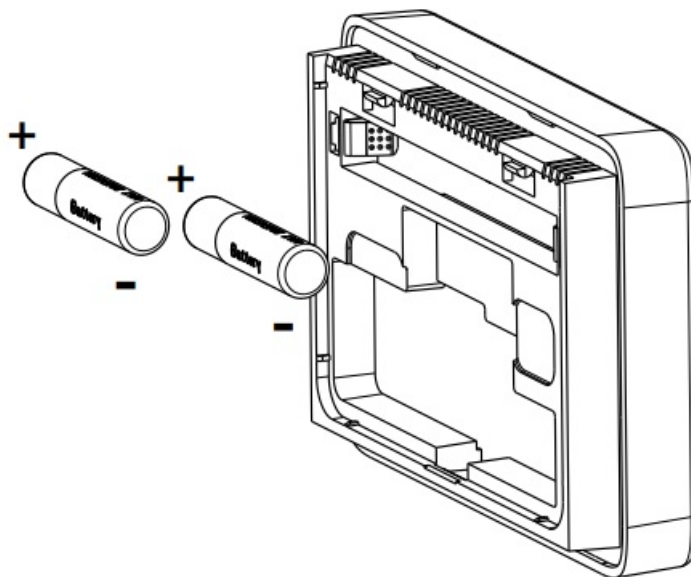


http://qrcode.urmet.com/default.aspx?sito=yokis&tipo=libretto&lingua=it&path=/wp-content/uploads/2019/10/LBT20754_DS1054-057_en.pdf

INSTALLATION

HOW TO START THE THERMOSTAT

The YOKIS THERMARP thermostat runs on batteries (2 x 1.5 V AAA / LR03 type batteries).



1. Open the rear compartment of the thermostat timer to insert the batteries, checking the polarity indicated on the battery compartment.
2. After the batteries have been inserted correctly, the thermostat will display the following screen after about 20 seconds.






3. Do not connect the thermostat to the base until the previous screen is displayed.




Couple first the teeth on the top side.

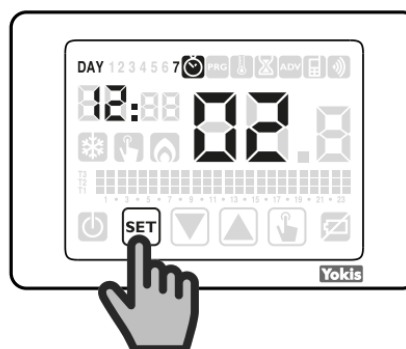
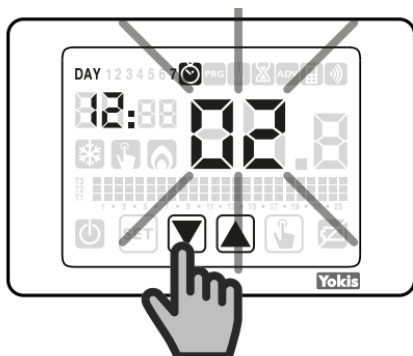
No programming or changes can be made to the set parameters until the device is properly attached to the wall base.

4. The clock must be set (by entering time and date) after the thermostat is powered.

The thermostat requires the time and date to be entered in order to operate correctly.

5. Hold button  pressed for 3 seconds until the clock icon  starts flashing. Press button  to access the time and date configuration.

6. Use buttons  and  to increase and decrease the values. Press button  to confirm and move on to the next parameter. In order: seconds/minutes/hour/year/month/day.

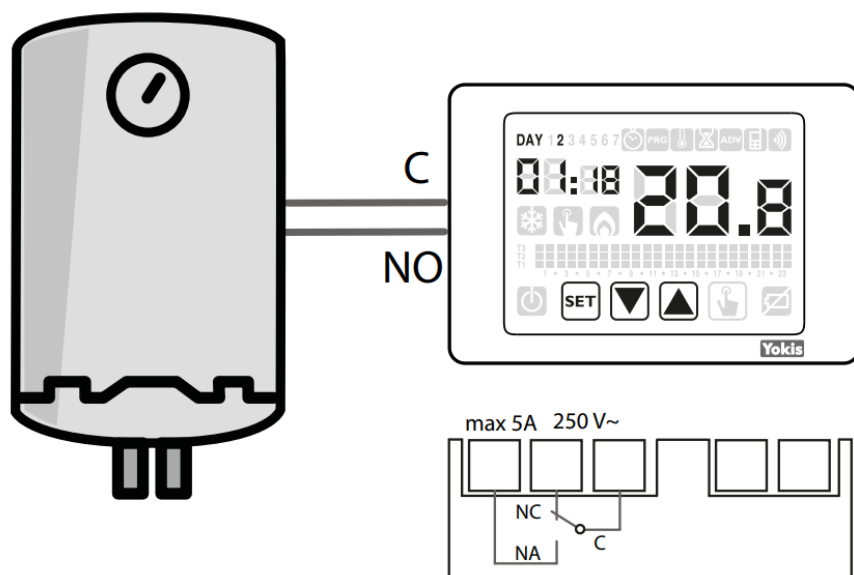


7. Once all parameters have been set, hold button  pressed for 3 seconds to exit the clock synchronization menu.

PREREQUISITES

The THERMARP thermostat can be used to control a boiler or a 230V solenoid valve directly via its internal relay or via the relay of a wireless receiver: MTR2000ERP(X) or MTR2000MRP(X).

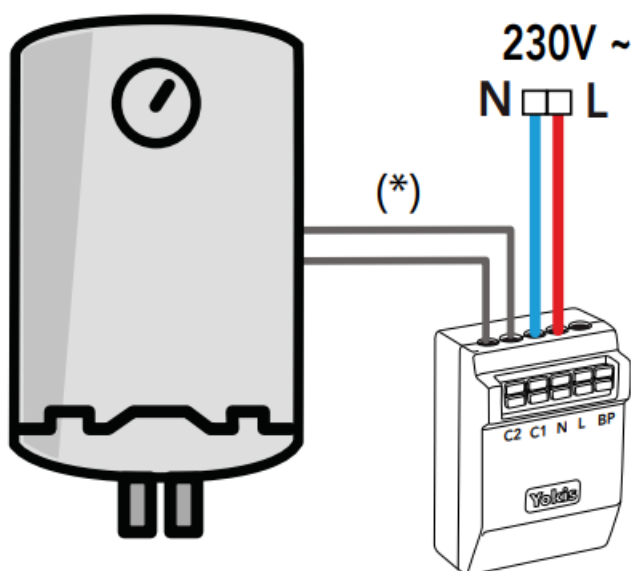
Direct wiring



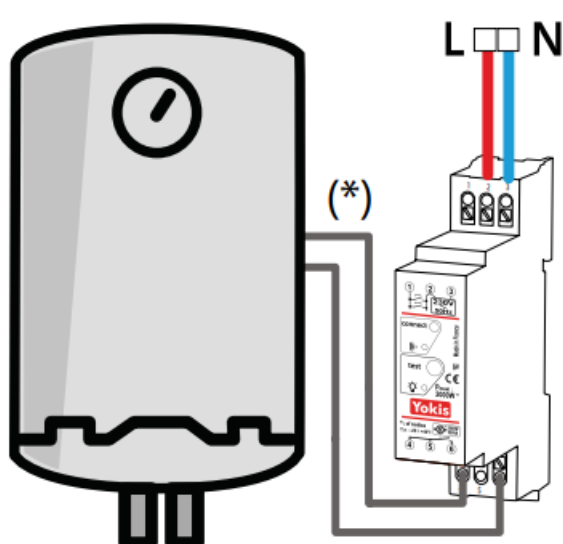
① Wires with cross-section area of 0.5 mm² or larger must comply with IEC 60332-1-2; wires with cross section area smaller than 0.5 mm² must comply with IEC 60332-2-2.

In the case of a wireless receiver, before pairing the thermostat and the wireless receiver, the MTR2000ERP(X) or MTR2000MRP(X) receiver must be wired and powered.

Wiring via MTR2000ERP(X)





Wiring via MTR2000MRP(X)

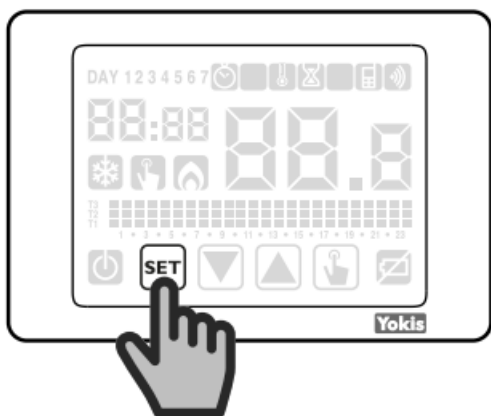
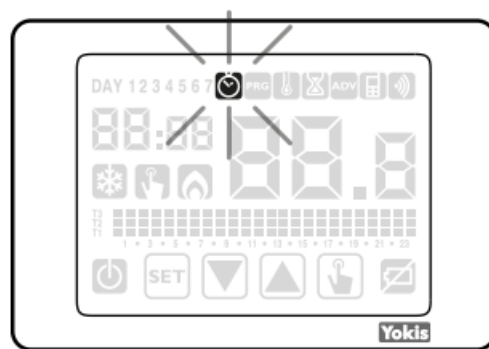






(*) Warning! Where it is necessary to guarantee galvanic insulation to the boiler, it is essential to interpose the REL1C accessory (See diagram SD542-6054 in the product data sheet of the MTR2000).

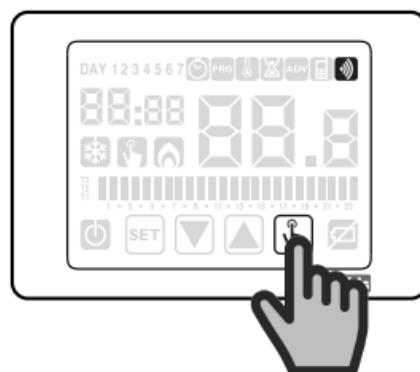
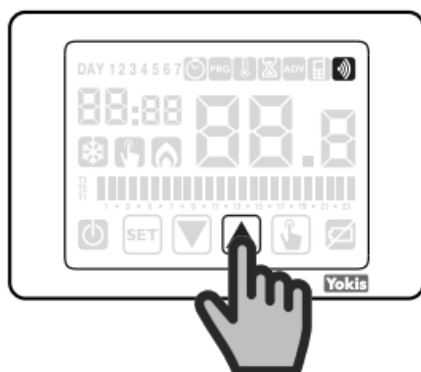
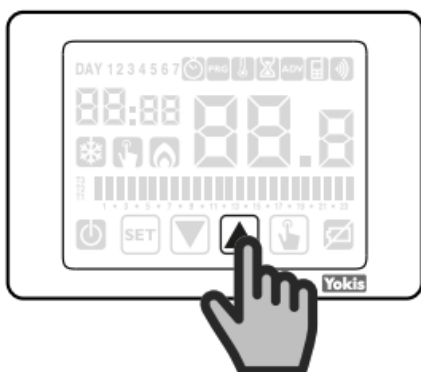
Always make sure that the MTR module is configured with the default values.

Pairing the wireless receiver to the thermostat

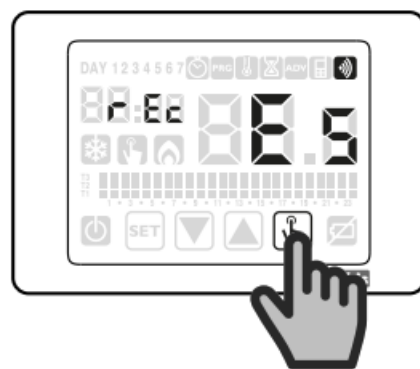
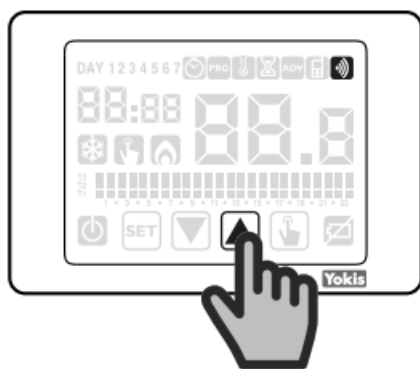
► On the THERMARP thermostat, open the thermostat configuration menu by holding the button  pressed for 3 seconds until the CLOCK  icon starts flashing.

A**B**

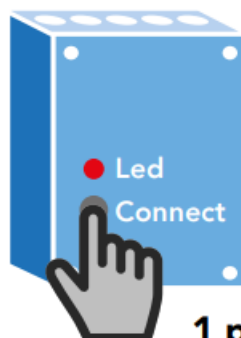
- Use the arrows  and  to move through the various items of the configuration menu until the RF WIRELESS  menu is displayed. Tap on the “Validate” icon .

**P16**

- In the RF WIRELESS menu, use buttons  and  to navigate the menu and open the rec E5 pairing submenu on the display. Then tap on the “Validate” icon .



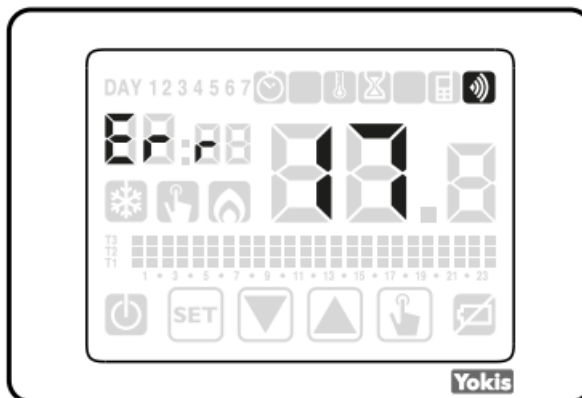
- While the message “rec E5” flashes for 30 seconds, briefly press in the “Connect” hole on the receiver module with a sharp, properly insulated tool.

**1 press**

- The THERMARP thermostat will briefly display the PASS message if the pairing was successful.
- The THERMARP thermostat is now correctly paired with the receiver and controls the receiver to adjust the boiler or solenoid valve to 230V according to the set temperature values.



Important: The THERMARP thermostat may not be able to communicate with the receiver if it is out of range. The message Err. 17 will appear on the display in this case. See the “How to extend the range” paragraph.



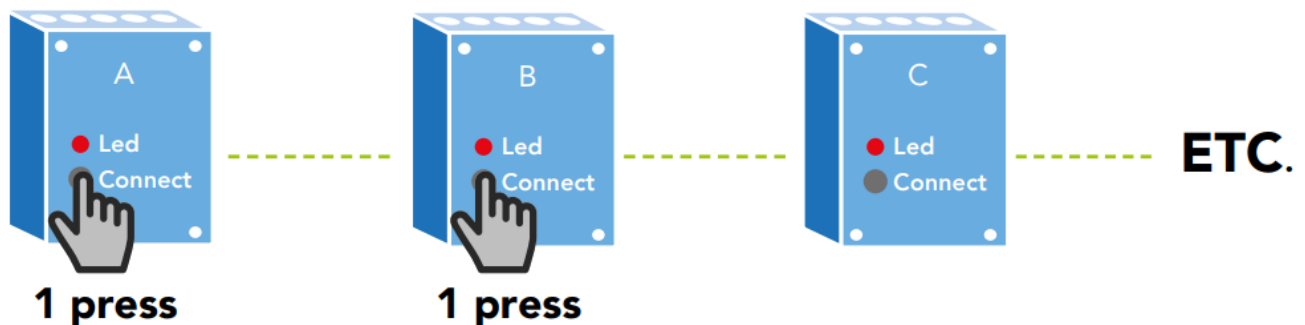
HOW TO EXTEND THE RANGE

All YOKIS wireless receivers also serve as signal repeaters. By adding one or more modules, you can significantly extend the wireless range by creating a wireless bus between the various modules on the system.

1. Create the wireless bus

- Press the Connect button on module A once (the LED on module A will start flashing), then press the Connect button on module B once (the connection between A and B is established and the 2 modules stop flashing).

The two presses must occur within a maximum time of 30 seconds.



- Repeat the same operation on modules B and C and so on, for all the others.




2. Pair the THERMARP thermostat with the module that controls the boiler

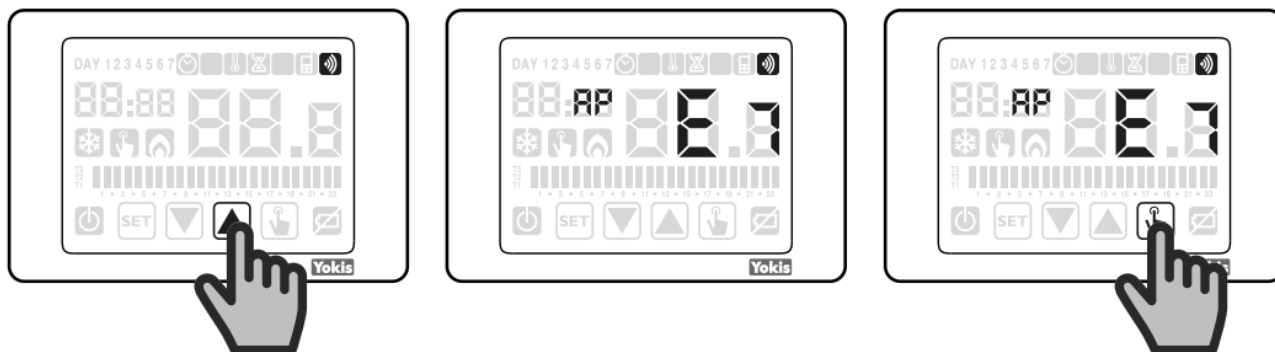
- After creating the wireless bus, temporarily move the thermostat to near the module that controls the boiler. Pair the THERMARP thermostat with the module that controls the boiler, following the steps described above.

3. Set the access point on the wireless bus

► Place the thermostat in its final position.

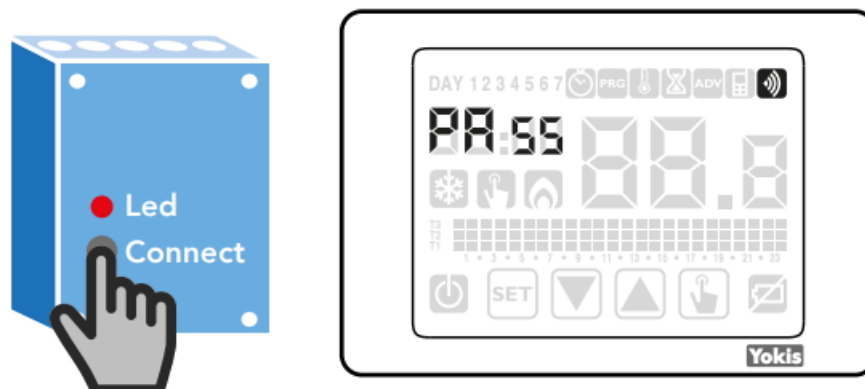
► Return to the Wireless menu  of the THERMARP thermostat.

► Use the buttons  and  to navigate the configuration menu to the AP E7 “Bus Access Point” submenu, then tap the “Confirm” icon .



► Once the mode has been validated, the message AP E7 starts flashing to confirm that the THERMARP thermostat is in “Bus access point” pairing mode. Press the “Connect” button of the module closest to the THERMARP thermostat once to establish the connection.

The PASS message appears briefly to confirm the connection.



TECHNICAL INFORMATION

Power supply: 2 alkaline batteries, 1.5 V (type AAA / LR03)

Production dimensions: 125x85x26 mm

Frequency: 2.4 GHz

Working temperature range: from 0°C to +50 °C

Relative humidity 20% – 90% without condensation

BATTERIES

WARNING: There is a risk of explosion if batteries are replaced with incorrect types of batteries. Dispose of used batteries correctly according to instructions.

SIMPLIFIED EU DECLARATION OF CONFORMITY

Hereby, Yokis S.a.s., declares that the radio equipment types:

THERMARP Digital thermostat with direct or wireless connection (item number 5454489) are in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: www.Yokis.com

INSTALLATION PRECAUTIONS

The following instructions must be observed when installing the product:

1. The product must be installed by a qualified professional, scrupulously respecting the wiring diagram.
2. Do not power or connect the product if any of its parts are damaged.

3. After installation, the inaccessibility of the connection terminals without special equipment must be guaranteed.
4. Do not use the product for purposes other than those specified.
5. In case of malfunction, do not attempt to repair the product, but contact Technical Support at the numbers:
Customer Service: +39 011.23.39.810 – Export Dept. Phone: +39 011.24.00.250/256 – Fax +39 011.24.00.296
6. The product can be used in a category 3 and grade 2 pollution measurement environment.
7. If the boiler has a low-voltage remote activation command, an accessory type REL1C must be used before the MTR2000ERP (X).

DIRECTIVE 2012/19/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 on waste electrical and electronic equipment (WEEE)



The symbol of the crossed-out wheeled bin on the product or on its packaging indicates that this product must not be disposed of with your other household waste.

Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment.

The separate collection and recycling of your waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

RADIO: 2000W TIMED RELAY MODULE

MTR2000eRX 5454455 Radio: 2000W Timed Relay with Aerial

MTR2000eRP 5454462

Radio: POWeR 2000W Flush-mounted

Timed Relay

MTR2000eRPX 5454463

Radio: POWeR 2000W Flush-mounted

Timed Relay Module with external Aerial

Functions

This module may be used in wireless mode and by one or more additional local pushbuttons.

RAdIO RANGe

Standard Range:

- In the same room (< 100 m²)
- 50 m in open range

POWeR Range (*):

- Inside 100 m² apartments with perpendicular crossing of main wall or ceiling
- 250 m in open range (Note: in both cases the range may be reduced by the presence of metallic elements, crossing of walls, or partitions)

RAdIO TRANSMISSION

The transmitter Led will light up only if the radio transmission was successful.

Adding an intermediate receiver will solve the problem of an insufficient range.

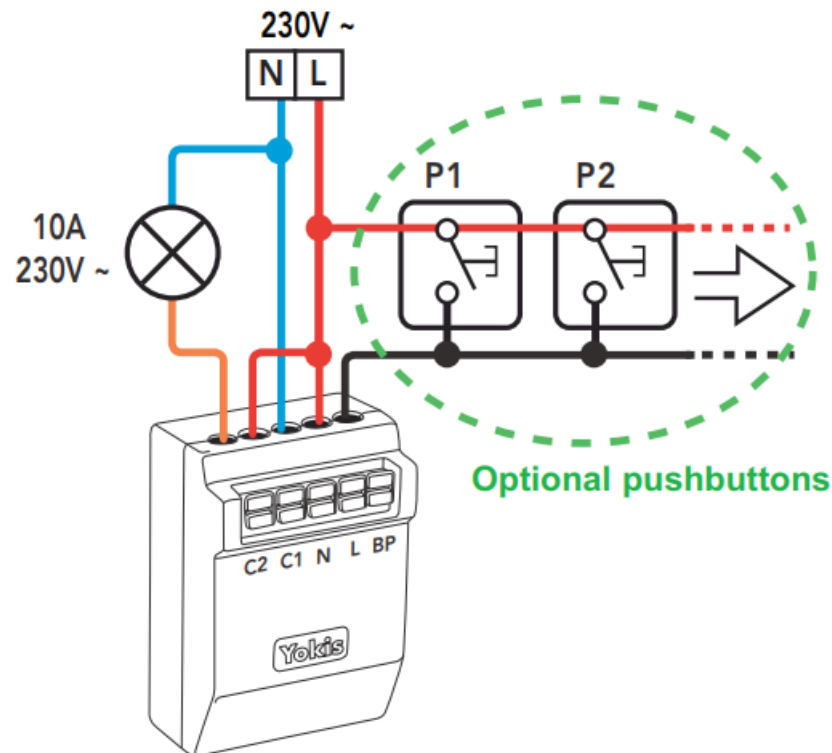
Refer to the transmitter instruction booklet for more information.

Special features of the MTR2000eR:

Switches may be used instead of pushbuttons with the MTR2000ER receiver (an E2BP transmitter must be used).

To establish a connection, switch 5 times rapidly (not 10!), instead of 5 pulses. Simply repeat the connection procedure with 5 pulses to use a pushbutton instead of the switch again.

WIRING



Installing Cautions

The module must be installed only by qualified personnel and into a place the enduser cannot access, according to the installing national rules.

In order to follow the safety rules, the module must be connected to a power line that is upstream protected by a magnetothermal switch 10A C curve.

Except MTV500ER, for all other YOKIS radio receiver modules you must use a pointed and properly insulated tool to press the "connect" hole shortly.

IMPORTANT:

Before starting any configuration, press briefly 23 times to unlock the relay.

The module will lock again automatically after 6 hours.

It can also be locked immediately with 21 short presses.

MODULE CONFIGURATION TABLE

Number of Presses (1)	Time (4)	Reply (2)
11	2 minutes	1 flash
12	4 minutes	2 flashes
13	8 minutes	3 flashes
14	15 minutes	4 flashes
15	30 minutes	5 flashes
16	60 minutes (1 hour)	6 flashes
17	120 minutes (2 hours)	7 flashes
18	240 minutes (4 hours)	8 flashes
19	no timing	9 flashes
20	Local control from switch (3)	10 flashes
21	Lock configurations	1 flash
22	Flashing mode (3)	2 flashes
23	Unlock configurations (with automatic lock after one hour)	3 flashes
24	Enable switch-off warning (3)	4 flashes
25	Set time in seconds (4)	5 flashes
26	Set time in minutes (4)	6 flashes
27	Timer/Relay Mode	7 flashes
28	Enable memory status in case of blackout (3)	8 flashes
29	Enable extended time (3)	9 flashes
30	Full reset to default settings	2 flashes

1. Short presses sequence on pushbutton.
2. Confirmation with flashes or relay clicks at the end of short presses sequence.
3. Toggles the ON/OFF function (between activation and deactivation)
4. The time may be set in minutes (default) or in seconds.

FUNCTIONS

Time configuration: Timing is off by default. All configurations are saved in the case of blackout. The on time can be configured from 2 seconds to 4 hours by means of short presses sequences (See table). 25 short presses will set the time in seconds (from 2 seconds to 4 minutes): (reply: 5 flashes). 26 short presses will return to a timing in minutes (from 2 minutes to 4 hours) (reply: 6 flashes).

extended time: "extended time" is off by default. 29 short presses will activate the "extended time" function. The light will be switched on for 12 hours when a connected pushbutton is pressed for longer than 3 seconds. Short press once to switch it off before the time has passed. The module will resume normal operation after switch-off (with the set time).

Warning: Warning is off by default. 24 short presses will activate the warning function. The light will flash briefly

one minute before the switch-on time expires (10 seconds if the time was programmed in seconds).

The pushbutton can be pressed again before the light goes out to extend the switch-on.

Current state memory in case of blackout: The current state of the relay may be saved in case of blackout to restore the state when power is restored. 28 short presses will do this. The contact will remain open if the relay was at rest (open) before the blackout. Otherwise it will close.

DIRECT MODE RADIO CONNECTION

1. Step 1:

5 short presses of the push button to be connected to the transmitter.

The transmitter LED will start flashing for 30 seconds, indicating that the system is waiting for a connection.

2. Step 2

While the transmitter LED is blinking, use a pointed and properly insulated tool to press the receiver “connect” hole shortly (in the back of the container).

The receiver relay will flash once and the transmitter LED will stop flashing if the connection was successful.

Warning: the receiver must be powered up.

To delete a connection: repeat the procedure above.

ADDITIONAL FUNCTIONS

Momentary (or relay) mode

This mode can be used to control a dimmer or ringer by means of the free contact of the MTR2000ER.

In momentary mode, the contact of the MTR2000ER follows the transmitter pushbutton activation: the MTR2000ER contact is closed if the transmitter pushbutton is pressed. The contact will be open if the pushbutton is released.

1. Make 10 short presses on any pushbutton of the transmitter (Configuration Menu). The transmitter LED will flash rapidly.
2. While the LED is flashing, make 17 short presses of the pushbutton on the transmitter to be configured.
3. At the end of the 17 short press sequence, the LED will flash 7 times to confirm the configuration.

Pulse mode

This mode may be used to control a gate, a garage door or to open a door with electric lock.

In pulse mode, the MTR2000ER contact generates a single pulse of 0.5 seconds whenever the transmitter pushbutton is pressed.

1. Make 10 short presses on any pushbutton of the transmitter (Configuration Menu). The transmitter LED will flash rapidly.
2. While the LED is flashing, make 16 short presses of the pushbutton on the transmitter to be configured in pulse mode.
3. At the end of the 16 short press sequence, the LED will flash 6 times to confirm the configuration.

Flashing mode

In this mode, one or more lights will flash to alert hearing impaired users instead of an auditory signal. An E2BP transmitter connected to the ringer pushbutton must be added.

Making 22 short presses will activate or deactivate flashing mode. Additionally, make 10 short presses on any pushbutton on the transmitter (Configuration Menu). The transmitter LED will flash rapidly. Then make 19 short presses on the desired pushbutton.

CENTRALISATION

Two radio centralization modes are possible, depending on the number of modules to be controlled and the distance between the various modules:

- Direct mode: up to 4 modules per pushbutton
- Radio bus mode: unlimited number of modules

Refer to the transmitter instruction booklet or the “Radio Memo” or go to www.yokis.com for more information.

IMPORTANT

Modules may also be centralized using a driver wire. It may be useful to plan the use a dedicated driver wire for centralization in some peculiar installations, during module wiring.

Urmet S.p.a. – 10154 TORINO (ITALY) – Via Bologna 188/C

For technical information, go to www.yokis.com or call:

Customer Service: +39 011.23.39.810 – export dept. Phone: +39 011.24.00.250/256 Fax: +39 011.24.00.296



WARRANTY: In addition to the warranty required by law, this product is guaranteed for 5 years from date of manufacture. The material must be used according to the instructions provided and for its intended use. Faults must not be caused by deterioration or accidents resulting from negligence, anomalous use or incorrect installation. In all cases, the warranty only includes replacement of faulty products. No compensation for loss or damage may be claimed.

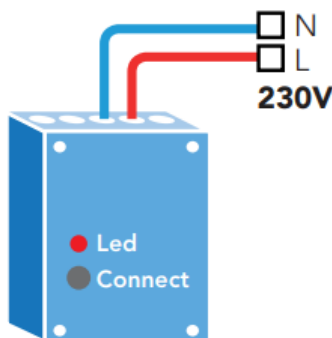
QUICK START GUIDE

How to configure Yokishub without using App (max. 10 modules)*

*for unlimited installations, use the App

Prerequisites:

- Power all modules on the same phase
- Connect the YOKISHUB to the ADSL Gateway.



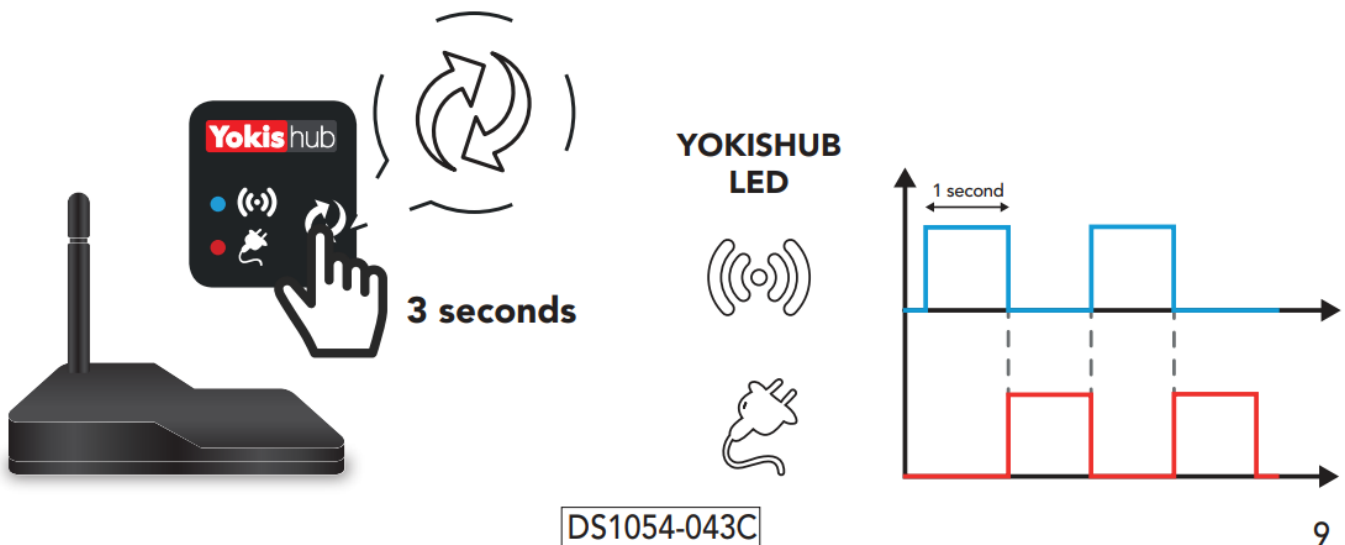
- Power the YOKISHUB on the same phase used for the modules.



NOTE: The YOKISHUB must NOT have been previously configured using the YOKISPRO App. Any configuration using the YOKISPRO App will inhibit the possibility of using the rapid installation method. Even the HOW TO RESET THE YOKISHUB CONFIGURATION PROCEDURE (see below) will not allow you to return to fast commissioning programming conditions.

Step 1: Set the YOKISHUB to learn mode

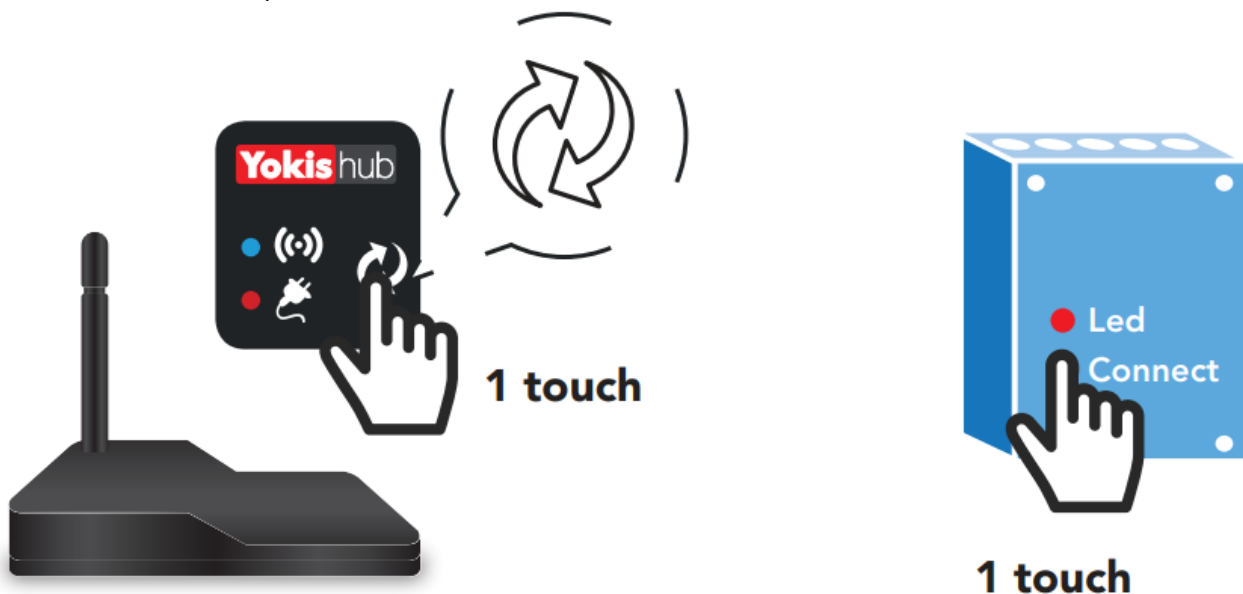
- Hold symbol on the YOKISHUB pressed for 3 seconds.
The two LEDs will flash alternately to indicate that the YOKISHUB is in learning mode.



Step 2: Register modules in YOKISHUB database

Repeat the following two steps for EVERY module to register (max. 10):

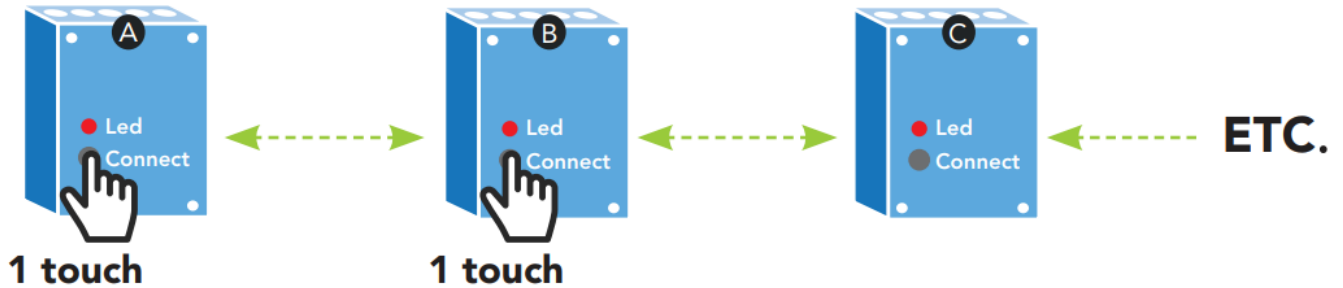
- Press symbol on the YOKISHUB once.
- Then, within 30 seconds, press the “connect” button on the module.



- The YOKISHUB and module LEDs will flash once to confirm the registration.

Step 3: Create the radio bus between different receivers

- ▶ Press the “connect” button on module A (the LED on module A will start flashing).
- ▶ Within 30 seconds, press the “connect” button on module B: the Bus Radio connection between the two modules is established and the respective LEDs will stop flashing.




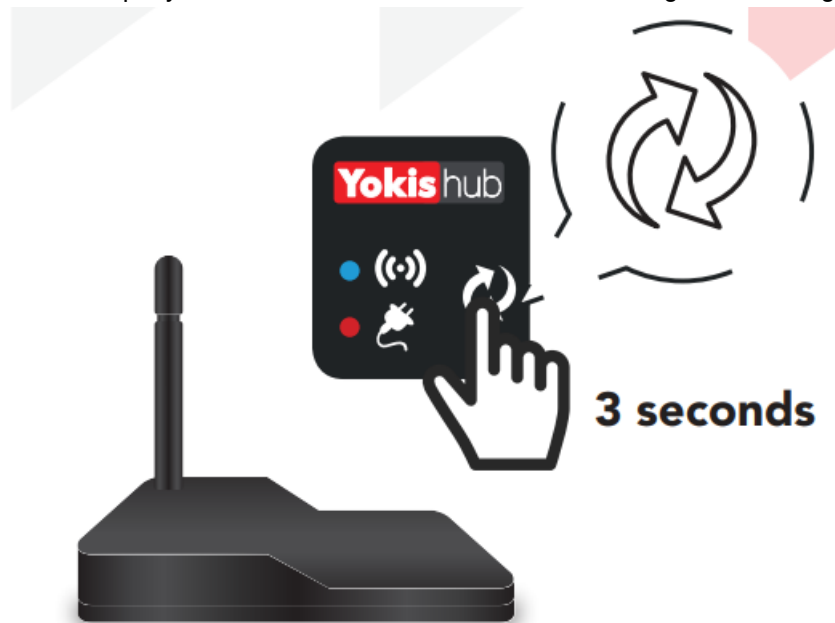
- ▶ Repeat the same operation between modules B and C and then, gradually, for all the others.

IMPORTANT: see instruction booklets and YOKIS catalogue, “POSSIBLE CONNECTIONS” paragraph for connections between modules.

Step 4: Exit learning mode

- ▶ Hold symbol  on the the YOKISHUB pressed for 3 seconds.

The wireless LED  will flash rapidly to indicate that the YOKISHUB is no longer in learning mode.





- ▶ To add new modules to the Bus Radio at a later time, if required, repeat the procedure starting from Step 1.

NOTE: In step 3, simply add only new modules to Bus Radio.

Step 5: Associate YOKISHUB to the YnO App

Ask the customer to:

- ▶ Start the App  using his or her Username and Password.
- ▶ Connect the  App to the YOKISHUB.

To associate the YnO App to the YOKISHUB:



Scan the QR code and watch the video



<http://qrcode.urmet.com/default.aspx?site=yokis&prod=yokishub&tipo=video&lingua=en>

Find out how your customer can create a YnO Account and associate it with the YOKISHUB.

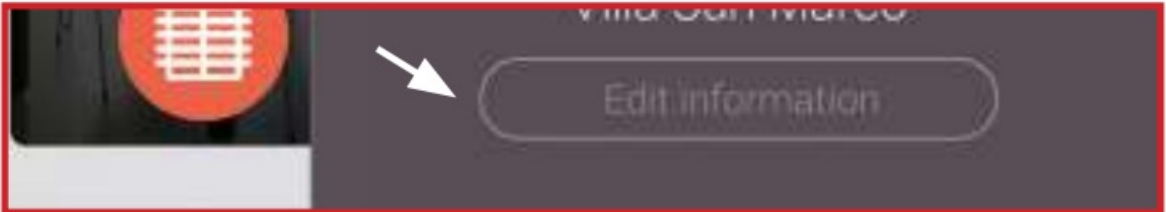
► When adding a new module, in order to allow system update on the App, it is necessary to disconnect and reconnect to **YnO**. Only in this way the new modules will be visible on the App.

To disassociate the HOKISHUB from YnO:

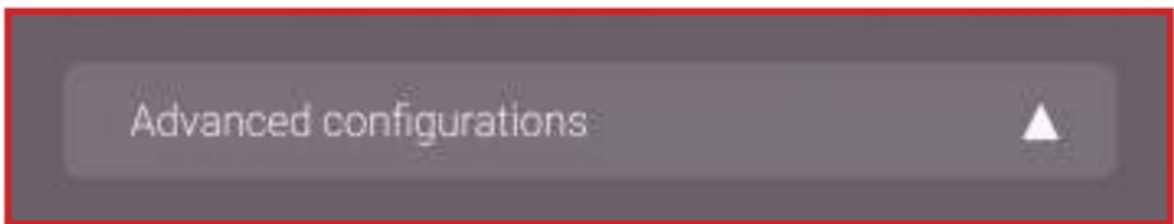
1. Tap on the icon at the top right of the Home Page.



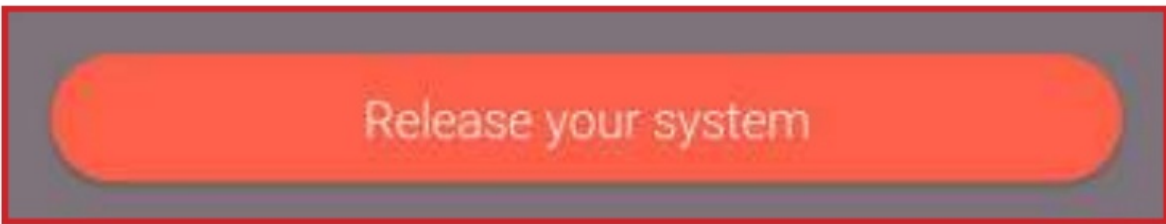
2. Tap on “Edit information” in the sidebar.



3. Tap on “Advanced Configurations” at the bottom of the page.





4. Tap on “Release your system”.





① Useful information:

How to reset the YOKISHUB configuration (Delete scenarios, associations, programming, etc.)

► Enter learning mode by holding symbol  on the YOKISHUB pressed for 3 seconds. Press symbol  on the YOKISHUB 10 times. The two LEDs will flash at the same time, indicating that the configuration has been reset.

① Useful information:

How to reset the YOKISHUB configuration (Delete scenarios, associations, programming, etc.)

► Enter learning mode by holding symbol  on the YOKISHUB pressed for 3 seconds. Press symbol  on the YOKISHUB 10 times. The two LEDs will flash at the same time, indicating that the configuration has been reset.



Replace a module

► Delete the BUS connections on the modules in the system:

- Press and hold the connect button on each module for 3 seconds.
- The LED on module will flash twice to confirm the deletion of the radio connections.


► Reset the YOKISHUB configuration.

► Repeat the procedure starting from Step 1.

► Close and restart **Yno** to update the system on the application.

URMET S.p.a., Via Bologna 188/C, 10154 Torino – Customer Service: +39 011 23 39 810
Export Dept. Phone: +39 011 24 00 250/256 – Fax: +39 011 24 00 296 – www.yokis.com

Documents / Resources

 <p>THERMAP Ref. / Cod. 545489</p> <p>CE</p>	<p>Yokis 5454489 Digital Thermostat With Direct Wireless Connection [pdf] Installation Guide 5454489, 5454489 Digital Thermostat With Direct Wireless Connection, Digital Thermostat With Direct Wireless Connection, Thermostat With Direct Wireless Connection, Direct Wireless Connection, Wireless Connection, Connection</p>
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References

- [home - Yokis](#)