

# mControl

## HT130 SET

DIGITAL ROOM THERMOSTAT 



## THE CONTENT

1. HOW WORKS THE HT130SET
  - 1.1 HT130SET THERMOSTAT EQUIPMENT
  - 1.2 TECHNICAL DATA
  - 1.3 HT130 SET ROOM THERMOSTAT
  
2. ROOM THERMOSTAT PLACEMENT
  - 2.1 BATTERY PLACEMENT
  - 2.2 RECEIVER EQUIPMENT
  - 2.3 HT130 SET RECEIVER
  - 2.4 HT130 SET RECEIVER PLACEMENT
  - 2.5 CONNECTION SCHEME
  - 2.6 RECEIVER SETUP
  - 2.7 RECEIVER LED LIGHT COLOR EXPLANATIONS
  
3. SYNCHRONIZATION OF ROOM THERMOSTAT AND RECEIVER
  - 3.1 CALIBRATION OF ROOM THERMOSTAT
  - 3.2 USE OF THERMOSTAT
  
4. DECLARATION OF CONFORMITY
  - 4.1 WARRANTY CONDITIONS

## 1. HOW IT WORKS HT130 SET

HT130 SET Wireless Room Thermostat The user can adjust the room thermostat to the desired temperature to obtain a more comfortable and economical heating.

- Sensitive temperature measurement
- Heating calibration
- Wireless connection
- ON / OFF control

### 1.1 HT130SET THERMOSTAT EQUIPMENT



Image 1

### 1.2 TECHNICAL DATA

#### Room Thermostat - Technical Data

Operating Current	3V DC (2 x AAA alkaline batteries)
Dimensions	85 mm / 85 mm / 27,5 mm
Temperature Measurement Accuracy	0.1 °C
Operating Sensitivity	0.5 °C
Operating Temperature Range	(5 °C) – (30 °C)
Battery Life	1 years (2 x AAA)
Operating Temperature	(-10 °C) – (+50 °C)
Storage Temperature	(-20 °C) – (+60 °C)

#### Receiver - Technical Data

Operation Current	220V (AC)
Dimensions	85mm / 90mm / 28.5mm
Relay NO Switching Current	6A (220V AC)
Operating Temperature	(-10 °C) – (+50 °C)
Storage Temperature	(-20 °C) – (+60 °C)

### 1.3 HT130 SET ROOM THERMOSTAT

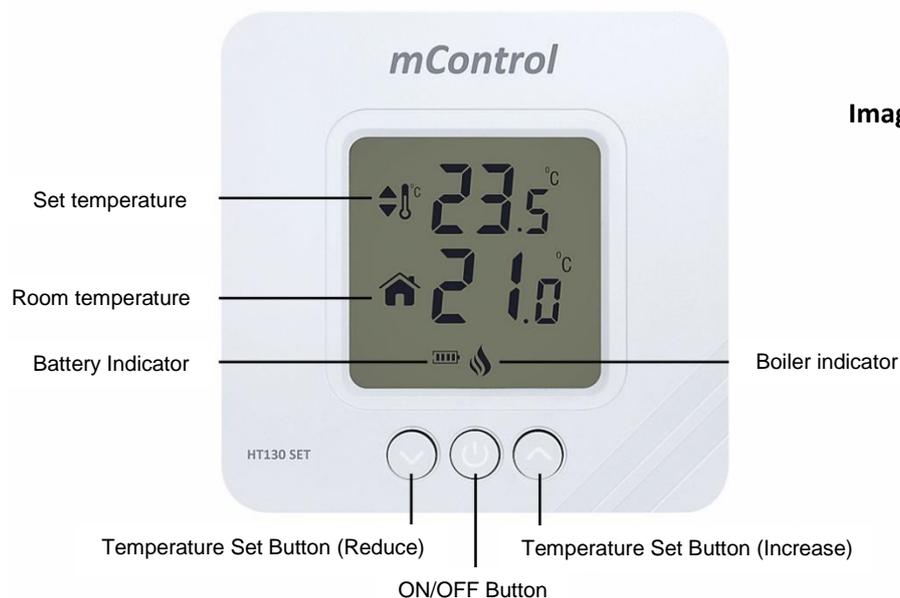


Image 2

## 2. ROOM THERMOSTAT PLACEMENT

Place your room thermostat in a room where you most use it as your living area. For example: living room. Avoid installing the room thermostat where there is a lot of air circulation such as door entry or window edges. Also, do not place in places near heat units (central heating system, fireplace, etc.) and places that receive direct sunlight. We recommend that the room thermostat be placed at an altitude of 50 cm to 150 cm from the floor. You can try a few places to find the most suitable place.

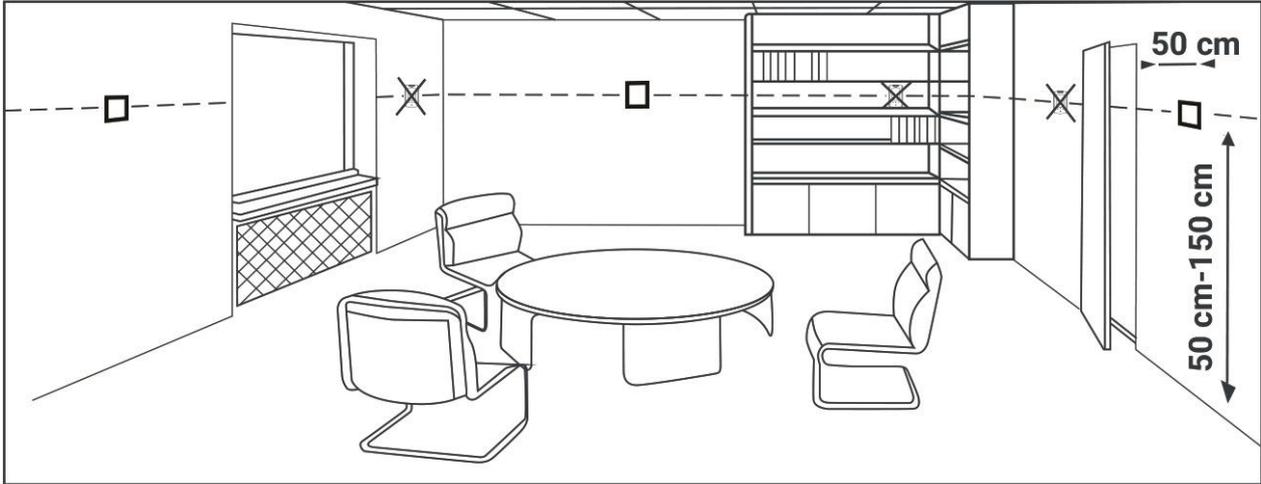


Image 3

### 2.1 BATTERY PLACEMENT

Remove your room thermostat from Wall hanger. Then remove the battery housing from the back side of thermostat. Install 2 alkaline batteries to battery housing. Please be sure the directions of batteries. Hang your thermostat on the Wall hanger after assemble battery housing back. Change the both batteries together.



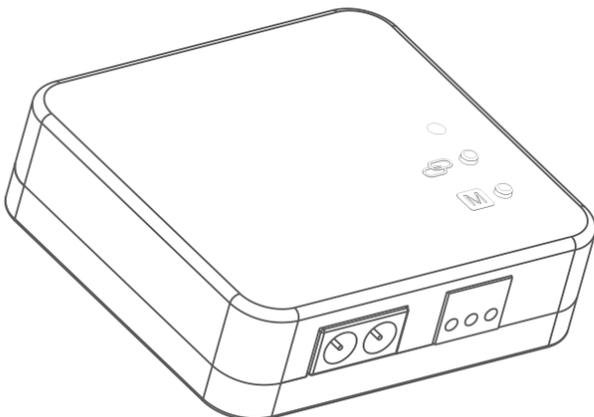
Image 4

**Warning!**

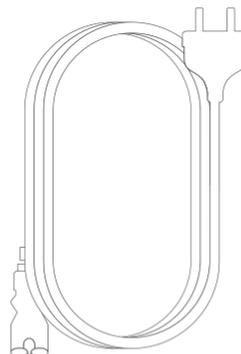
Please throw away dead batteries to trashes special only for batteries

### 2.2 RECEIVER EQUIPMENTS

HT130 SET Reciver



Power Cable



Pegs and Screws

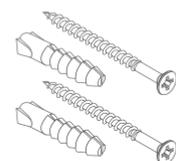


Image 5

### 2.3 HT130 SET RECIVER

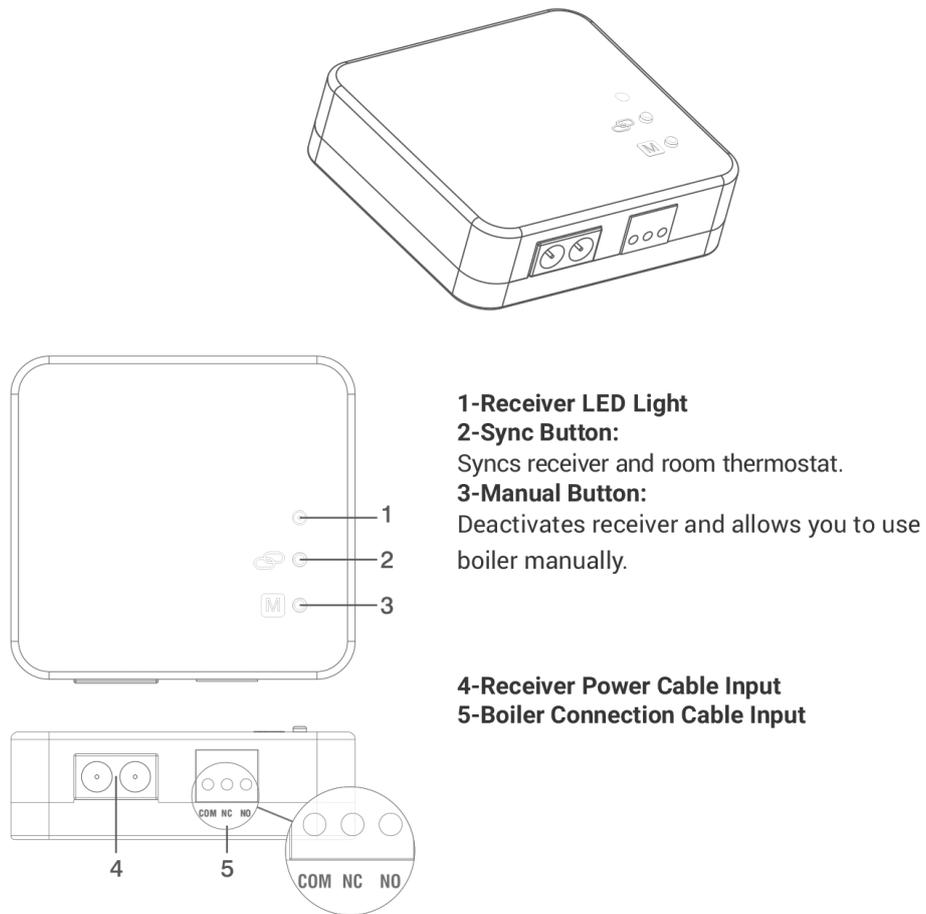


Image 6

### 2.4 HT130 SET RECEIVER PLACEMENT

The important thing to note in the HT130 SET receiver placement is that avoiding physical contact with boiler and protecting against materials such as liquid, dust etc. You can place your receiver in boiler's cabinet without physical contact with boiler or mount receiver to wall by using Receiver.

### 2.5 CONNECTION SCHEME

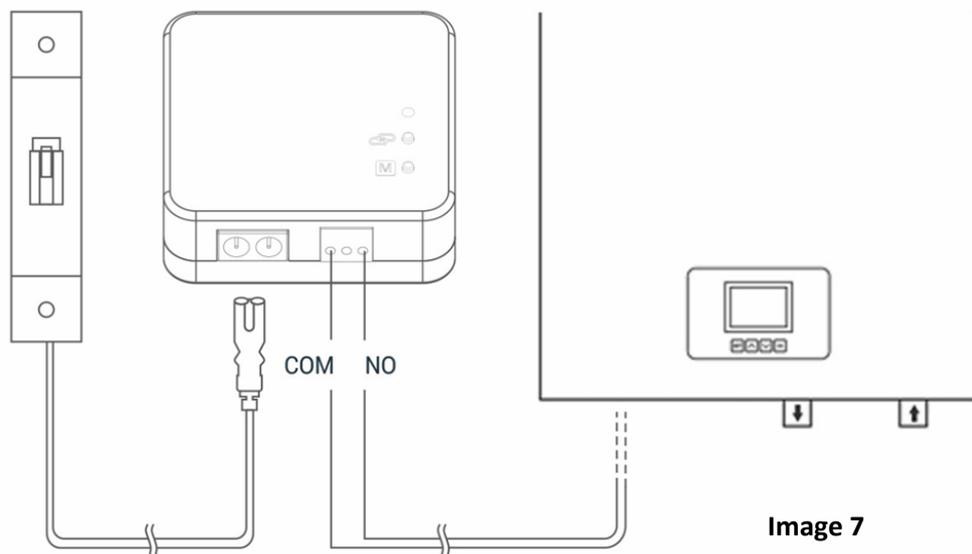


Image 7

## 2.6 RECEIVER SETUP

- First, shut down electrical current which your boiler is connected (fuse, power outlet etc.)
- Connect one of the boiler connection cable to receiver as shown in the Connection Scheme.
- Connect other boiler connection cable end to boiler's room thermostat input as shown in the boiler's user manual.
- Input Receiver power cable first to receiver than to plug. If there is no plug near your boiler, you can connect cable to your boiler's connection fuse.
- After finishing connections, turn on electrical current first, then turn on your boiler.
- If you want to deactivate your receiver, press manual button for 2 seconds then you should see orange light on receiver. After being sure that your boiler is working, press same button and see orange light disappeared.
- Setup Room Thermostat to sync receiver with room thermostat.

### Warning!

Only persons who have got Professional Competence should make operations electric wiring or boiler setup.

At the following link, you can watch a video that describes in detail the procedure for connecting the receiver:

– <https://www.youtube.com/watch?v=EPZexrCDGdA>

– or on the Mikoterm YouTube channel which you can reach through our site

– or by loading the following QR code:



## 2.7 RECEIVER LED LIGHT COLOR EXPLANATIONS

Green	Receiver synced with thermostat and Works properly.
Green Flashing	Pressed to receiver sync button and waiting for thermostat sync signal.
Red	Receiver has energy but no thermostat synced.
Red Flashing	Boiler shut down because no signal from thermostat more than 22 minute.
Orange	On Manual Mode.

## 3. SYNCHRONIZATION OF ROOM THERMOSTAT AND RECEIVER

After you have properly connected the receiver to the boiler, you need to synchronize the thermostat with the receiver.

**Note:** Be sure to insert the batteries necessary for the thermostat to work into the thermostat.

**Important:** See Image 2 and key names before starting the synchronization.

Thermostat synchronization procedure with receiver:

1. Hold down the thermostat on button for a **few seconds**, after which the calibration temperature will appear on the screen.
2. Then briefly press the thermostat on button again and "**Adr**" will appear on the screen.
3. Then hold the sync button on the receiver until the light on the receiver starts blinking green.
4. Immediately after that, press the down button „▼“ or up „▲“ and the thermostat will turn off.
5. Finally, switch on the thermostat by **briefly** pressing the power button.

Wait 10-15 seconds after which the receiver will sound, which is a sign that the synchronization has been completed successfully.

At the following link, you can watch a video that describes in detail the procedure for synchronizing the thermostat with the receiver:

- <https://www.youtube.com/watch?v=KHdgs4-neOE>
- or on the Mikoterm YouTube channel which you can reach through our site
- or by loading the following QR code:



www.mikoterm.com



### 3.1 CALIBRATION OF ROOM THERMOSTAT

Temperature sensors used for room thermostats are very sensitive. No other thermometer in your living room has such sensitivity. You can calibrate the room thermostat if you want to get the temperature of other thermometers in your living space.

- When the unit is turned off, press the ON / OFF button for 3 seconds.
- To see the desired temperature, adjust the temperature difference by pressing the buttons down „▼“ or up „▲“. This value can be set between -8°C and + 8°C.
- Exit the menu by pressing the ON / OFF button.

**Note:** The recommended temperature calibration is „0,0°C“.

### 3.2 USE OF THERMOSTAT

After proper synchronization, the thermostat is ready for use. Use the down button „▼“ or up „▲“ you can decrease or increase the set temperature.

## 4. DECLARATION OF CONFORMITY

Brand: **mControl**

Product Name: **HT130 SET**

Product Type: **Wireless room thermostat**

Compatible Directives:

Radio and Telecommunications Terminal Equipment Regulation 2014/53/EU (R&TTE/RED EN 301 489-1 V2.1.1:2017, EN 300 220-1 V3.1.1:2017, EN 301 489-3 V2.1.1:2017, EN 300 220-2 V3.1.1:2017, EN 62479: 2010, EN 60730-2-9:2010, EN 60730-1:2011)

Electromagnetic Compatibility Regulation 2014/30/EU (EMC EN 61000-6-3: 2007 + A1: 2011, EN 61000-6-1: 2007

Low Voltage Directive 2014/35/EU (LVD EN 60730-2-9:2010, EN 60730-1:2011)

Supplementary Information: Mentioned product can be used with combi boilers with on / off output and compatibility with the directive only covers the product. MIKOTERM is not responsible for the compliance of the entire system with the directive. This declaration does not apply when changes are made to the product without obtaining our consent.

## 4.1 WARRANTY CONDITIONS

1. Warranty starts at the delivery date of devices and equipments and warranted against manufacturing defect for 2 years.
2. Devices and equipments are delivered to customers in operation. Mounting and other connections will be additional fee for service.
3. Devices will maintenance and repair in our factory and should send by contracted transportation company. For out services, transportation and accommodation of service personnel are covered by customers. Overtime is added on service charge and is received as cash proceeds.
4. Maintenance of devices and equipments will be in our factory. For device maintenance, the round travel fares are covered by customers.
5. If devices are malfunction in warranty duration, devices will be inspected in our factory to find out whose responsibility (manufacturer or customer) and will announce to user by report.
6. Devices, which malfunctioned in warranty duration and found out it is responsibility of manufacturer, customer can demand new product or repair which all costs will fulfilled by manufacturer regarding to cost is not higher than device.
7. After inspection of malfunction and detected that, it is customer's fault, repair cost of the device which still in warranty duration will be customer's responsibility.
8. Customers should be aware of damages (if there is any) of product and warn manufacturer since the day warranty duration starts. If customer do not warn manufacturer with knowledge of damage, customer lose the rights of article 6.
9. Devices and equipments should be used as specified in User's Manual if not used as specified, products are out of warranty.
10. If products damaged, scratched or cracked by customer. The products will be out of warranty conditions.
11. Damages/Malfunctions because of using other brand' s and model' s devices and equipments without knowledge of manufacturer are out of warranty.
12. The arising depredation owing to working in humid and acidic places and result of rusting, oxidation is out of warranty.
13. The transport damage is out of warranty. Customers can take a transportation insurance.
14. Damages by virtue of grid voltage are out of warranty.
15. Damages because of force majeure like flood, earthquake, fire etc. are out of warranty.
16. All parts of the product are under warranty of our company.
17. If product breaks down and gets fixed in warranty duration, duration of maintenance adds to the warranty duration. Products repairment can't exceed 20 work days. This duration starts when the product's problems are reported to the seller, agency, producer or the importer if there is no service station. Consumer can report the problem by; fax, e-mail, registered and reply paid letter or a similar way. If a conflict happens, the consumer has the responsibility of proofing it. If the problem can't be solved more than 10 days the producer or importer has to supply a similar device until end of the reparation. If the product breaks down because of material, label or mounting faults in the warranty duration, firm won't demand label costs, changing parts or any other kind of charge for repairment.
18. Despite consumers rights of maintenance;
  - If the product breaks down for 4 times in a year or 6 times in warranty duration and these problems effects main purpose of the product. (starting from delivery time during warranty.),
  - Exceeding the maximum repairing term,
  - In the case of not existing service station, determining that repairment is not possible with the report compiled by respectively service station's seller, dealer, agency, legation, importer or manufacturer.
19. Warranty document should be kept by customer until warranty duration is finished. If warranty is lost there will be no replacement. All maintance and repair cost is responsibility of customer in case of warranty document lost.