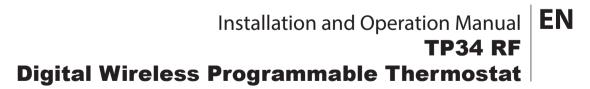


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TP34 RF

1. Description



Transmitter - batteries 2x1,5 V

Receiver - 230 V AC

The wireless digital thermostat is suitable to control temperature in a living room and is very easy to use. It allows you to control heating or cooling when the room temperature is lower or higher than set by the user. Installation is very easy thanks to the step-by-step instructions.

IMPORTANT: Installation of the equipment must be performed by a trained specialist. The user manual is intended for authorized operators.

IMPORTANT: Please read the instructions carefully before installation and follow the instructions provided when using the thermostat.

Recommendation regarding batteries

- Use only batteries of the specified type.
- Make sure that you insert the batteries as marked in the appropriate compartment. Inserting batteries with reverse polarity can damage the thermostat.
- Do not mix batteries of different types, e.g. alkaline with zinc-carbon batteries or old ones with new ones.
- If you know that the thermostat will not be used for a long time, remove the batteries to prevent damage to the thermostat by leakage.

Recommendations regarding installation and use of the thermostat

- This thermostat is intended for indoor use only (rooms, garages, verandas). Do not place it outdoors, do not expose it to rain.
- Do not place it in high humidity areas.
- It should be installed on an inner wall, about 1,5 m above the floor, located where room temperature changes can be felt thanks to freely circulating air.
- Do not install above a heat source (a TV set, heater, fridge etc.) or to places where it may be exposed to direct sunshine, draught, radiation from other devices.
- This thermostat can control only one device. Connecting several devices in cascade or in series (e.g. a heater and fan) does not guarantee its proper functioning.
- Turn off the power before connecting any equipment.
- Be extremely careful when connecting the equipment and power; improper connection or insufficient shielding of electrical cables can damage the equipment and endanger your safety.

Note: The manufacturer disclaims any liability for damage caused by improper installation or use of the device contrary to the instructions.

2. Specifications (code 17169)

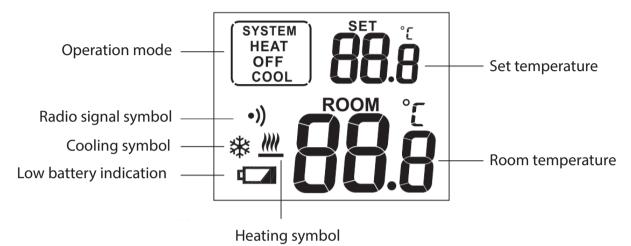
Transmitter (Thermostat)

- 1. Programmable: no
- 2. Displayed temperature range: 0-40 °C (in 0.1 °C increments)
- 3. Adjustable temperature range: 5-35 °C (in 0.5 °C steps)
- 4. Temperature measurement accuracy: ±1 °C (at 20 °C)
- 5. Power supply: 2x 1.5A AAA batteries, alkaline (not enclosed)
- 6. Load: 6(2) A, 230 V
- 7. Low Battery Indication: When the battery voltage drops below 2.7 volts, the symbol 🛍 appears.
- 8. Standby power consumption: $30 \mu A$, backlight $\leq 5,5 m A$
- 9. Backlight colour: white
- 10. Dimensions: 120 x 77 x 28 mm (without support)

Receiver

- 1. Power supply: 230 V AC, 50 Hz
- 2. Operating frequency: 868,35 MHz
- 3. Transmission distance: approx. 100 m in open air
- 4. Consumption: 6 W
- 5. Max. load: 6(2) A, 230 V
- 6. Dimensions: 86 x 86 x 26 mm

3. LCD Display



4. Operating Modes

Hold down the control dial for 5 seconds to open the option to select the operating mode. You can select from the following modes by turning the dial:

HEAT : turn the dial to set the temperature

COOL : turn the dial to set the temperature

OFF (frost protection): heating starts as soon as the room temperature drops below 7 °C

Finally, press the dial to confirm the desired mode or wait for 10 seconds until the mode is accepted.

5. Temperature Settings

- 1. To increase the temperature, turn the dial to the right (clockwise), then either press the dial or wait for 5 seconds until the value is accepted.
- 2. To decrease the temperature, turn the dial to the left (anti-clockwise), then either press the dial or wait for 5 seconds until the value is accepted.

6. Temperature Calibration

Hold down the control dial for 5 seconds to enter the selection of operating modes, then hold down the dial for another 5 seconds to open the temperature calibration option "CAL" (from -3 °C to +3 °C in 0.5 °C increments). Turn the dial to the desired value and press to confirm.

7. Backlight

The backlight turns on when the dial is used and turns off after 15 s of inactivity.

8. Battery Replacement

The average battery life is 1 year, but it can be significantly reduced if backlight is often switched on. When the low battery symbol appears on the display, the batteries need to be replaced.

9. Receiver

Installation and wiring of the receiver

The receiver must be installed on a wall in a place protected from moisture and heat, not far from the boiler.

WARNING! Do not place the receiver under the boiler casing or near hot water pipes as this may damage its components or impair the wireless (radio frequency) connection. The receiver must be installed and connected by a qualified professional!

Unscrew the two screws from the receiver base but do not remove them. Then remove the front panel of the receiver and screw the rear part of the receiver onto the wall near the boiler with the supplied screws.

It is necessary to supply 230 V power to the receiver. This will power the device, but the voltage will not appear on terminals 1 and 2.

If the device is not in use, it is recommended to switch it off (e.g. in summer).

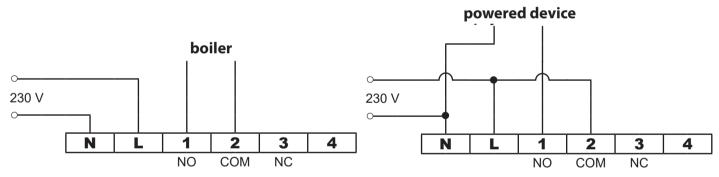
The receiver controls the boiler or air conditioning via a potential-free relay whose connection points are: 1 (NO), 2 (COM) and 3 (NC).

WARNING! Always take into account the maximum load rating of the receiver and follow the heating / cooling manufacturer's instructions.

Thermostat Wiring Diagrams for Heating:

For equipment requiring potential-free contact.





The voltage at terminals 1 and 2 depends solely on the system to be controlled, so the cable cross-section must respect the type of device controlled by the thermostat. The length of the cables does not play any role, the receiver can be placed near the boiler or far from it, but never under its casing.

If the distance between the transmitter and the receiver is too big, the RF connection may be unreliable. Install the receiver as close to the thermostat as possible.

Receiver Control

Apply voltage to the receiver. After a few seconds, the wireless (RF) system of the thermostat and receiver tunes to the operating frequency. To test the system in heating mode, turn the thermostat dial until the set temperature is 2-3 ° higher than the room temperature. A few seconds later, the thermostat display should show a symbol indicating that heating is on. At the same time, a red indicator light on the receiver indicates that the receiver has been commanded by the transmitter (thermostat).

Pairing the receiver to a transmitter

If the thermostat does not connect with the receiver, it is necessary to pair them. Press the M / A key on the receiver and hold it for about 10 seconds until the green indicator light flashes. Then remove the rear cover of the transmitter and hold down the LEARN key on the PCB for 3 s. The green light on the receiver should stop flashing and go out, indicating that the receiver has recognized the transmitter (thermostat) code. The code is retained even in the event of a power failure.

Manual receiver control

Press the MANUAL key to separate the thermostat from the receiver. Then the connected boiler or air conditioner can be controlled manually without thermostatic control. This mode is indicated by a steady green light. Pressing the M/A button turns the boiler on/off. A switched on boiler is indicated by a red indicator light. Pressing the MANUAL button again exits the manual control and the device returns to automatic thermostat controlled operation (the green LED goes out).

ON/OFF switch on the receiver

O: OFF

If the thermostat is not needed, it can be turned off simply by the switch located on the left side of the receiver without removing the cover.

I: ON

The receiver is in normal operation.

Note:

When the thermostat is not needed during a certain period, it is recommended to switch off the receiver as a protection of both the device and the thermostat and remove the batteries from the thermostat.

 $\ensuremath{\mathbb{G}}\xspace{2019}$ We reserve the right to errors, changes and improvements without prior notice.

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