



TERMA

SINCE 1990



User Manual TT-IR

DE: IR-FERNSTEUERUNG (WOCHENTIMER)

EN: INFRARED PROGRAMMABLE THERMOSTAT

FR: THERMOSTAT PROGRAMMABLE INFRA-ROUGE

IT: TERMOSTATO PROGRAMMABILE AD INFRAROSSI (IR)

PL: PROGRAMATOR ZDALNY (TYGODNIOWY)

RU: ДИСТАНЦИОННЫЙ ПРОГРАММАТОР (НЕДЕЛЬНЫЙ)

NL: GEBRUIKSHANDLEIDING TT-IR

DE

EN

FR

IT

PL

RU


NL



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Warning

-  Carefully read these instructions prior to installation.
- Do not attempt to repair the unit yourself; an after-sales service is available.



We hereby declare that the equipment complies with the essential requirements and other relevant provisions of the Directive EMC 2014/30/UE

Electromagnetic compatibility

- Class B device as described in EN 55032



European Directive 2012/19/EC (WEEE)

Disposal of old electrical & electronic equipment (applicable in the European Union and in other European countries with separate collection systems)

This symbol on the product or its packaging indicates that this product shall not be treated as household waste. Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment, such as for example:

- sales points, in case you buy a new and similar product
- local collection points (waste collection centre, local recycling center, etc...).

By ensuring this product is disposed of correctly, you will help prevent potential negative consequence for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please Contact your local city office, your household waste disposal service or the shop where you purchased the product.



European Directive 2006/66/EC (for battery-operated products)

The above mentioned symbol has the following meaning:

Batteries and accumulators should not be thrown away in the bin. Consumers have to bring their worn out batteries to a registered collection point, to retailer shops or to local recycling centers. The worn out batteries contain toxic materials or heavy metals which can damage the environment and the health. Batteries can be recycled, they contain precious raw materials such as iron, zinc, manganese or nickel.



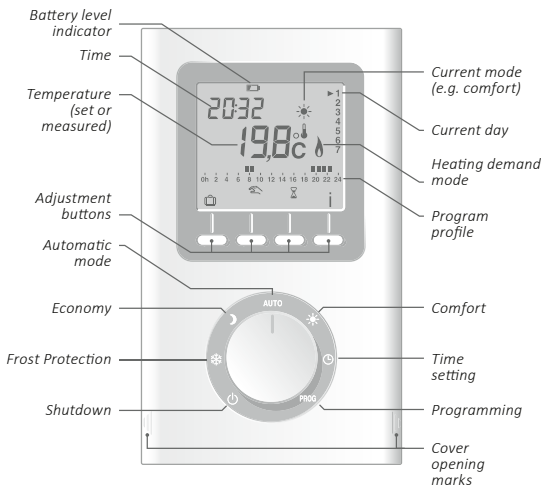
IMPORTANT: for products supplied by batteries: there is a risk of fire or explosion if the original batteries are replaced by incorrect battery types (example: Alkaline > Lithium; AA(LR6) > AAA(LR03)). Do not discard a battery in a fire or in a hot oven, do not crush and do not cut the battery as it may trigger an explosion. Do not keep the battery in a very high temperature environment or subject it to extremely low air pressure which could trigger an explosion or the release of flammable liquid or gas.



WARNING ! Do not ingest battery, chemical Burn Hazard. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.



Description

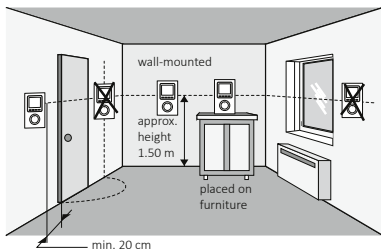


Location

To control the heating, the thermostat must measure the most representative room temperature in your home. As the temperature measurement probe is in the transmitter unit, you must place the unit:

- wall-mounted or placed on a shelf or accessible furniture at a height of 1.50 m,
- away from heat sources (fireplaces, sunlight) and draughts (windows, doors),

Before mounting in the final position, ensure no object can block the transmission between the transmitter and the radiator's receiver.



IMPORTANT:

Do not install the thermostat on a wall in contact with the outside or in an unheated room (e.g. garage, etc.).

Mountings



- Lift off the cover by using a screwdriver and remove the batteries



- Wall mounting Secure the thermostat using the screws and pegs or fit onto a flush-mounted box (1, distance between centres 60 mm).



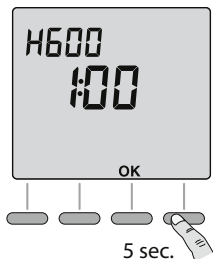
- Insert the batteries, ensuring that they are correctly fitted.
- Place the cover back on the thermostat.

Starting up

After installation you need to program initial settings. Turn the dial to the off position and press the right-hand button for 5 seconds until H600 code appears (maintenance menu reserved for the installer).

Press **OK**.

The screen displays **CF01**.



CF01 — Correction of room temperature measurement.

If there is a difference between the room temperature and the temperature indicated by the programmer, it is possible to correct it (from -4°C to $+4^{\circ}\text{C}$ in steps of 0.1°C).

Press + or – to change the value, **OK** to confirm it and go to the next menu.



CF02 — AUTO mode temperature display option



CF02 Temperature displayed	= 0 Continuous room temperature display
	= 1 Continuous display of the set-point

Press + or – to make your choice, OK to confirm it and go to the next menu.

CF03 — Selection of the “EARLY START” function

Early start means for the device to start heating in advance so that at the time set in the schedule you get the desired temperature, and not just start work (concerns the change from Eco to Comfort).



“EARLY START” function activated, signals flashing icon ✨.

Press + or - to select the set 1 or 0, press OK
to confirm and go to the next menu.

CF03 „EARLY START“ function	= 0 Early Start non active
	= 1 Early Start active

**CF04 - Deviation level adjustment (if the
EARLY START function is active)**

Adjustment from 1 ° C to 6 ° C, every 0.1 ° C.

If the temperature is reached too early,
decrease the value. If the temperature is
reached too late, increase the value. The
default value is 3,0 ° C

Press + or - to select the set 1 or 0, press OK
to confirm and go to the next menu.



CF05 – Infrared test

The transmitter sends a control signal to the receiver every 3 seconds. Check whether the receiver's light flashes on every reception.

To leave the configuration mode, turn the knob.



Return to the initial settings

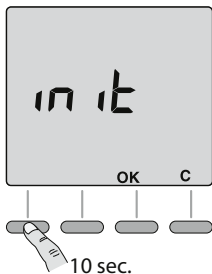
You can carry out a general reset to return to the factory settings:

- the installer settings (grayed out on the start up menus),
- the time and day,
- set-point temperatures,
- default program.

Turn the dial off, then press the left-hand button for 10 seconds until “init” is displayed.

Press **OK** to confirm or **C** to cancel.

Return to the shutdown mode display.

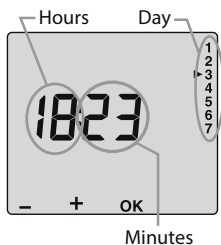


Time Setting

Turn the knob to ☉.

The days flash. Press + or – to make your choice, **OK** to confirm it and go to the next setting. Repeat the operations to set the hours and minutes.

Turn the dial to exit the setting mode.



Setting the temperatures (set-points)

Turn the dial to:

- ❄ — to set the system freezing protection temperature or to maintain the minimum room temperature (from 5-15 degrees Celsius),
- 🔧 — to set the economy temperature (10° C to 30° C, 15° C by default),
- ☀ — to set the comfort temperature (10° C to 30° C, 66.20° F by default), Press + or – to make your choice.

Turn the dial to exit the setting mode.





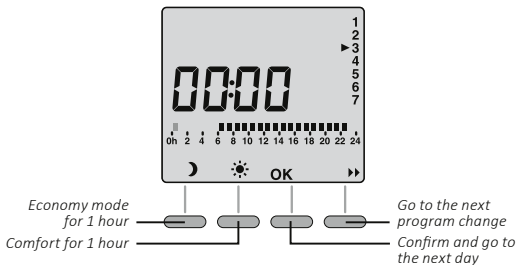
Programming

When starting up, the “Comfort mode from 6 a.m. to 11 p.m.” program is applied to all the days of the week. To change the programming, turn the knob to PROG. The 1st time slot flashes on and off.

1. Create your program

Programming starts on day 1 at midnight.

Press the  or  buttons to create different Economy or Comfort periods.



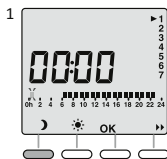
2. Confirm and copy the program

Press and hold the **OK** button for 3 seconds to confirm the program you created and copy it to the next day.

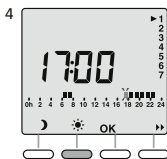
3. Confirm the program

Press the OK button to confirm and continue on to the next day to program it separately.

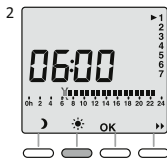
Example: Comfort from 6:00 to 8:00 and from 17:00 to 23:00



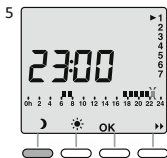
Press and hold ☾ until you reach 6:00



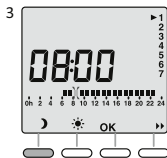
Press and hold ☀ until you reach 23:00



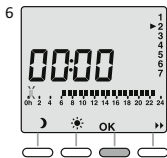
Press and hold ☀ until you reach 8:00



Press and hold ☾ until you reach 00:00



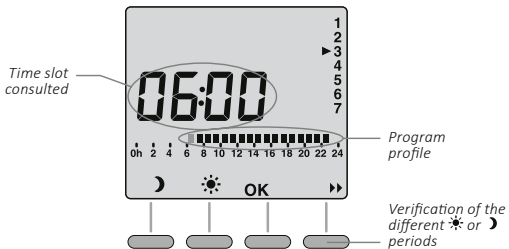
Press and hold ☾ until you reach 17:00



Copy and confirm or simply confirm

4. Check your program

Press the ►► button repeatedly to check the accuracy of the Comfort and Economy periods you created.

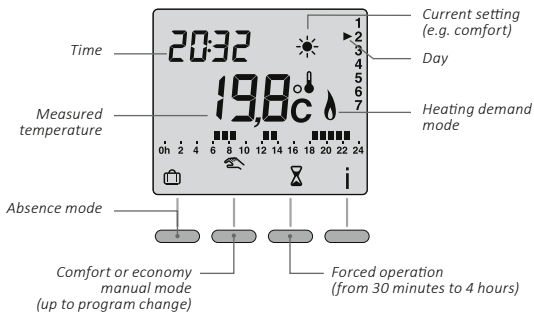



Press OK to check the next day.

To exit the mode, turn the dial to another mode.




Automatic mode

Turn the dial to **AUTO**.




When starting up, the temperature measured by the thermostat is displayed (the  symbol appears above the °C).

Press the button **i** to display the set-point temperature.

- The temperature display can be reversed (CF02 start up menu):
 - automatic mode: set-point temperature,
 - press **i**: measured temperature.
- If you do not want to use a program, you can go to continuous Economy mode (dial turned to ) , continuous Comfort mode () or continuous Frost Protection mode () .

Absence mode

This mode is used to set a temperature (5 to 15°C) for a period that can be set from 1 to 365 days.

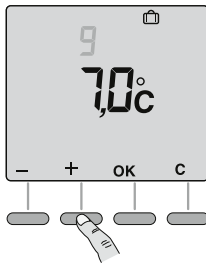
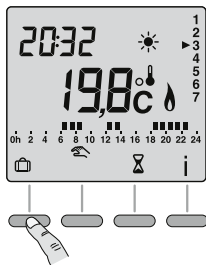
From the automatic mode (AUTO), press the  button. The number of days flash on and off.

Press + or – to set the number of days.

Example: leaving on 10 January, returning on 19 January, indicate 9 days. Automatic operation will restart on 19 January at 00.00 h.

Press **OK** to confirm. The temperature flashes on and off. Press + or – to set the temperature. Press **OK** to confirm.



To cancel the absence mode (e.g. when returning early), press the **C** button or turn the dial.

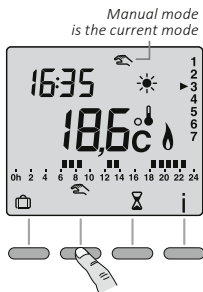


Manual mode

Up to the next program change


This mode is used to go from comfort to economy mode (or conversely) until the next program change.

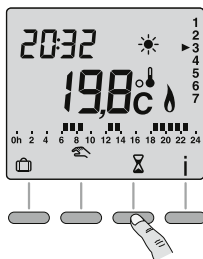
Example: when in economy mode, pressing the  button allows you to go to comfort mode. To cancel the manual mode, press the  button again or turn the dial.



Forced operation can be set from 30 minutes to 4 hours

This mode makes it possible to program a forced operation for the heating from 30 minutes to 4 hours.

From the automatic mode (AUTO), press the  button to turn off the drying function.

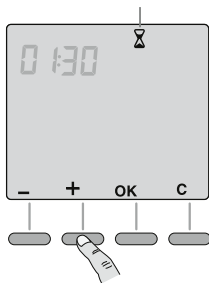


The manual mode period flashes on and off.

Press + or – to set the period required (e.g. 1.5 hours).

Press **OK** to confirm. To cancel the manual mode, press the **C** button or turn the dial.

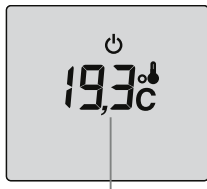
Manual mode is the current mode



Shutdown mode

To shut down the heating (in summer, for example).

Turn the dial to ϕ . The thermostat displays the room temperature measured.



Measured temperature



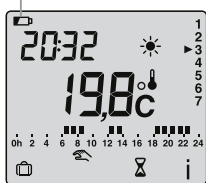
Changing the batteries

From the moment the battery level symbol appears, you have around 3 months to change them (2 LR03 or AAA-type 1.5 V alkaline batteries).

The following precautions must be respected:

- ensure that the +/- polarities are correct when the batteries are fitted into the unit,
- do not dispose of used batteries in unauthorized places (you should respect the environment by taking the batteries to a suitable collection site),
- do not recharge them,
- you have approximately 45 seconds to change the batteries before the time setting is reset to zero (in this case, reset the time and date).

Battery level symbol



Characteristics

- Power supplied by two LR03 or AAA-type 1.5 V alkaline batteries (supplied), autonomy greater than 2 years for normal use
- Appliance class: Class III
- Built-in proportional control, time basis 10 min.
- Dimensions: 135 x 81 x 0.87 in
- Casing protection index: IP 30
- Range (outside): 10 m
- Transmission angle: 50°
- Wall mounting or on flush-mounted box
- Installation in an environment with normal pollution levels
- Storage temperature: -10° C to +70° C
- Operating temperature: 0° C to +40° C









ATTENTION // ATTENTION // ATTENTION // ATTENTION

If you encounter a problem establishing connection between the TTIR control panel and KTX 4 (or SKT 4) you may need to assign a new IR transmission channel in your KTX 4 (SKT 4). The channel KTX 4 (SKT 4) should be set up for is A5.

CHANGING KTX 4 (SKT 4) IR COMMUNICATION CHANNEL

To ensure proper infrared communication Terma KTX 4 must operate on the same IR channel as TTIR controller.

To change the IR channel in KTX 4 (SKT 4) do as follows:

1. Make sure KTX 4 controller is connected to mains and KTX 4 is on. If the device is switched off please switch it on by pressing ON/OFF button. Leaving the device ON disconnect its mains power supply.
2. Connect KTX 4 to the mains again while pressing TIMER BUTTON  and  key simultaneously. Hold keys for approximately 5 seconds. This will enable KTX 4 channel changing mode. KTX 4 should now display currently selected channel (i.e channel A0) alternately showing "A" and "0".
3.  and ,  and  buttons.
4. By means of the  and  buttons the required channel can be selected. Options range from A0 to A5 — Please set it to "A5"! KTX 4 should now show new A5 channel alternately displaying "A" and "5".
5. Wait a few seconds — KTX 4 will return to its default display — new IR communication channel is now stored in KTX 4 memory.