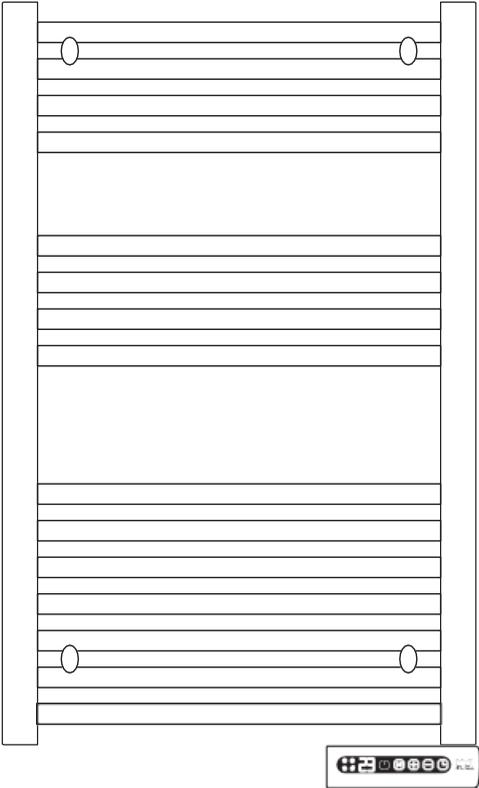


EN TZ01-500
Warm towel 500W

SOLIGHT



CE

IMAGES

Fig. 1

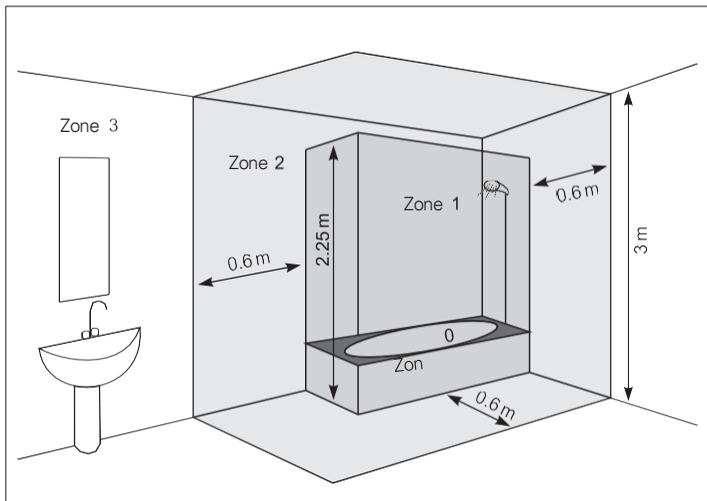


Fig. 2

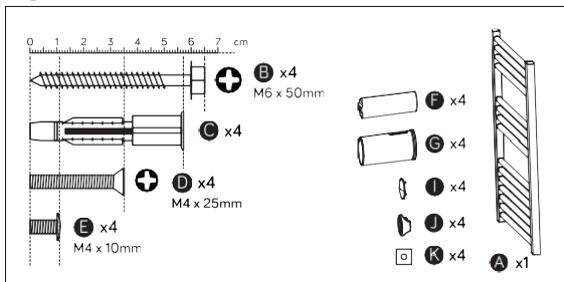


Fig. 3



Fig. 4

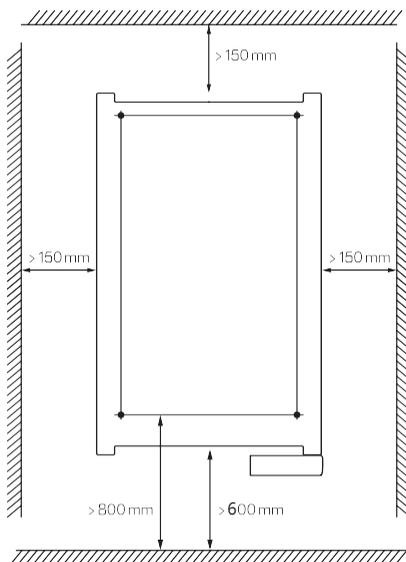


Fig. 5

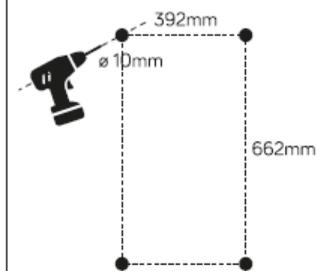


Fig. 6

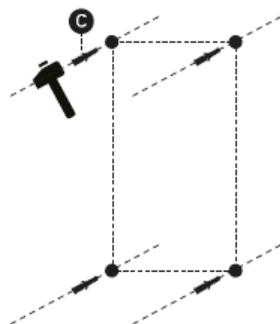


Fig. 7

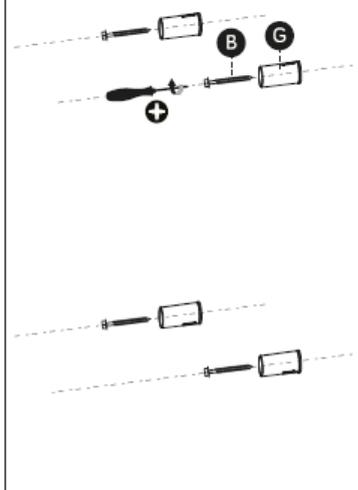
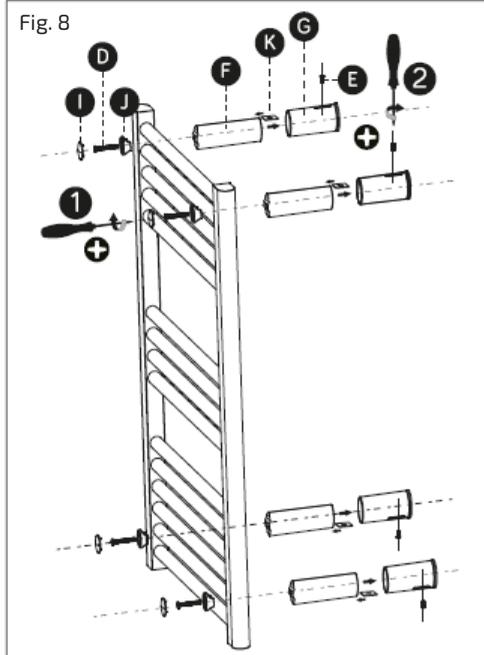


Fig. 8





Read this manual carefully before installing and using the product!

The requirements and recommendations contained therein must be complied with. Compliance with the rules of this manual is part of the measures for the safe use of the product and is one of the conditions for the recognition of the warranty.

The product has international CE certification and complies with the technical standards according to EN.

The CE mark means that the product meets all the basic requirements of the guidelines:

- Electromagnetic Compatibility (EMC) Directive
- Low Voltage Directive (LVD)



Children under 3 years of age must be prevented from accessing the appliance unless they are permanently supervised.

Children between the ages of 3 and 8 must not plug in, adjust, clean or maintain the appliance.

Children between the ages of 3 and 8 may only use the on/off button, provided that the appliance is installed and ready for normal operation, and provided that children are supervised and instructed in the safe use of the appliance and understand the possible dangers of using the product.



This product may be used by children over 8 years of age, as well as persons with reduced physical, sensory or mental abilities, or lack of experience and knowledge, provided that they are supervised or instructed in the use of the product by a person responsible for their safety. The responsible person must ensure that children are prevented from handling this product!



WARNING! Some parts of this product may be very hot and may cause burns. Pay special attention if vulnerable persons or children are present.

IMPORTANT SAFETY N O T I C E S

- Before switching on the appliance, make sure that the voltage in your home is the same as the voltage indicated on the product's rating plate. Only connect the appliance to an electrical outlet that is in accordance with the information on the product's rating plate.
- Make sure the device is switched off before connecting it to the mains.
- The product is intended for indoor use only. Use for purposes other than indoor use may be dangerous!
- The product is not suitable for outdoor or commercial use and is not intended for animal husbandry!
- The manufacturer is not liable for malfunctions resulting from improper and incorrect use!
- The product is intended for installation only in rooms that can be heated by electric heating and the room must have sufficient ventilation.
- Never use the product in rooms where gas, solvents, paints, adhesives and other highly flammable substances are used or stored.
- The device must only be installed in a vertical (upright) position on a non-combustible and stable surface (wall) at a sufficient distance from combustible materials (see Fig. 4).
- Do not place the device near combustible materials. There is a risk of fire. The minimum distance between the product and combustible materials (e.g. furniture) must be at least 1 m!
- The minimum distance of objects from the equipment from the front should be 1 meter.
- The power cord must not adhere to the product or touch its hot parts!
- Prevent children or animals from touching or playing with the product.
- The product must not be used in any way other than that for which it is intended. Never sit on the product or use it as a ladder, toy, etc.!
- Do not touch a product that has fallen into the water.

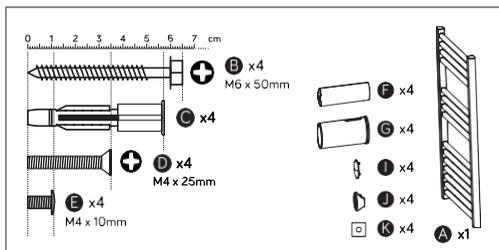
- In case of a fall from the wall, disconnect the power supply and wait for the product to cool down! Do not touch the fallen product, there is a risk of burns!
- Never use the product if its power supply cable is damaged.
- If the power supply cable of the product is damaged, it must only be replaced by the manufacturer, a service or similarly qualified person to avoid danger!
- Never move or switch off the product by pulling its power cord!
- Do not bend the power cord and do not pull it over sharp edges, do not place it over the hob or an open fire!
- Do not place the power cord of the product under the carpet. Place the cable so that it does not obstruct the free movement of persons and no one can trip over it.
- If the product is damaged or does not work, turn it off and do not handle it. Do not disassemble the appliance in the event of a malfunction or heating oil leak. Contact your dealer or central service centre.
- Never repair the product yourself. Otherwise, the safety of the appliance may be compromised.
- Never place the product directly under an electrical outlet. Hot air can damage the power cord and the outlet.
- Do not use this product with a programmer, timer, stand-alone remote control system, or any other device that automatically switches the heater to avoid the danger caused by inadvertent resetting of the heat switch.
- It is not recommended to connect the device to the mains using an extension cord. There is a risk of overheating and fire.
- To avoid danger, the radiator must not be used to dry towels or other textiles that have come into contact with oil, oil products or cleaning agents.
- If the power cord is hardwired, the device's power circuit must include a two-pole switch with a minimum contact distance of 3 mm.

PACKAGING

- After unpacking the product, please check that the packaging is complete and that the product has not been damaged in transit! If you find damage or incomplete packaging, please contact your authorized dealer!
- Do not throw away the original packaging! It can be used for storage and shipping purposes to avoid damage during transportation!
- Disposal of packaging materials should be carried out accordingly. Do not leave packaging materials such as bags and staples within the reach of children!

PACKAGING CONTENTS - (Fig. 2):

- 1 x radiator TZ01-500 (A)
- 1 x set of screws (B) and dowels (C) (4 pcs)
- 1 x set of screws (D) (4 pcs)
- 1 x set of screws (E) (4 pcs)
- 4 x bracket spacer (F)
- 4 x mounting bracket (G)
- 4 x cover for the front part of the holder (I)
- 4 x front part of holder (J)
- 4 x square nut (K)
- 1 x mounting template
- 1 x instructions for use



ENVIRONMENT

This product is labelled in accordance with the Waste Electrical and Electronic Equipment (WEEE) Directive. Ensuring proper disposal of the appliance will prevent potential negative impacts on the environment and human health.



This product must not be treated as household waste. The product must be handed over to a collection point for the recycling of electrical and electronic equipment. For information on the handling and recycling of this product, contact your local authority, household waste disposal office or the shop where you purchased the product.

After decommissioning, all legislative steps in relation to the recycling of the oil fluid must be followed.

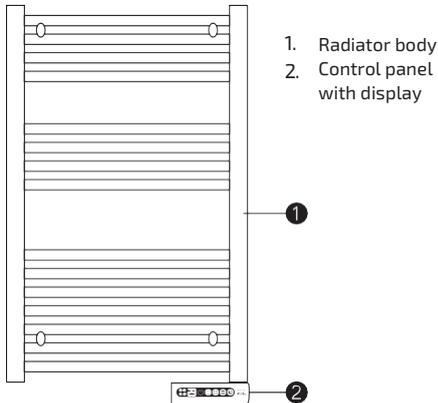
TECHNICAL DATA AND PRODUCT DESCRIPTION

The device is a wall-mounted electric bathroom radiator in a flat design, with an integrated electric heating rod and filled with special heating oil (up to - 5 °C). It is equipped with electronic control and weekly ERP program.

The heating element will heat the heating oil, which will gradually and naturally circulate in the radiator. The surface temperature of the radiator will reach the optimum value after approximately 10-15 minutes. This principle of operation ensures the volume and duration of heat from the radiator even when the heating element is no longer in operation.

Location	On the wall
Model:	TZ01-500
Rated voltage	~ 220-240 V, 50-60 Hz
Power input (W)	500
Protection (A)	10
Electrical coverage	IP24
Class of protection	II
Safety fuse	Yes
Weight - net (kg)	9,7
Dimensions: H/W/D (mm)	850 x 500 x 50
Distance from wall with brackets: 140 mm	

PRODUCT DESCRIPTION:



1. Radiator body
2. Control panel with display

ELECTRICAL CONNECTION

Power supply: ~ 220-240 V, 50-60 Hz ; Protection: 10 A

The wiring as well as the connection itself must be carried out in accordance with the applicable regulations and technical standards.

Make sure the power circuit is connected to the circuit breaker.

The product includes a movable power cord with 230 V plug. Connect the power cord to an electrical outlet.

Note: If the power cord is hardwired into the junction box, the device's power circuit must include a two-pole switch with a minimum contact distance of 3 mm.

LOCATION OF THE RADIATOR

The product has a Class 2 protection against electric shock, with an electrical protection against splashing water **IP24**, so it can be installed according to EN 60529 in basic environments (e.g. house, apartment, cottage, office, etc.).

Its **use** is also **permitted in the bathroom within the protection distance of Zone 2** (Fig. 1) according to EN 33 2000-7-701, provided that the controls should not be accessible to persons using the bath or shower.

The minimum distance of the product from the water source should not be less than 60 cm and the product must be wall mounted! In wet areas, the power supply should be installed at a height of 30 cm above the floor.

This product is not suitable for outdoor use!

WARNING! The ladder radiator must only be installed vertically and on a non-combustible surface. Never install the radiator on the ceiling. Never turn the device with the control panel upwards!

WARNING! To avoid danger to very young children, this appliance should be installed so that the lowest part of the radiator is at least 600 mm above the floor.

WARNING! Do not use the product in areas less than 5 m³.

WARNING! Observe minimum distances from surrounding flammable and non-flammable objects, otherwise there is a risk of fire.

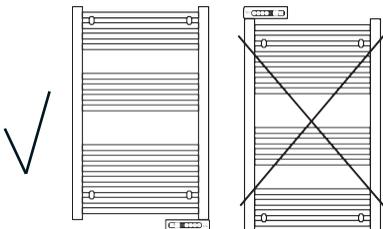
No flammable or combustible substances such as wax, petrol, sprays, etc. may be in the vicinity of the product. Work that may produce explosive vapours should be carried out with the product switched off. The product must not be installed in an area where there is even a temporary risk of such a condition (e.g. garage, etc.).

WARNING! The product must not be placed directly under the socket or in close proximity to it, keep a distance of 20 cm. The socket must be easily accessible at all times during use in case the power cord must be quickly disconnected!

INSTALLATION OF EQUIPMENT

The radiator is intended for use only as a fixed wall-mounted radiator. Brackets for wall mounting are included in the product package.

Note: The control panel and the heating rod of the product must always be located at the bottom.



WALL MOUNTING:

When mounting on the wall, make sure there are no electrical cables, water, gas, etc.

Select a suitable location so that the minimum distances of the appliance from surrounding objects (walls) are observed - Fig. 4.

- At least 15 cm from the ceiling
- Minimum 60 cm from the floor
- A minimum of 15 cm from the wall or other objects on the left and right side of the product.

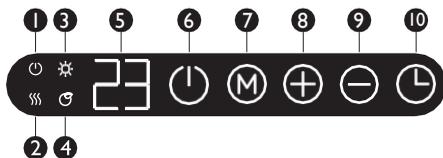
Follow the illustrations on page 3 for installation.

1. Carefully remove the radiator from the box (do not remove the side guards) and place it on the floor. Also remove the included accessories and template.
2. Place the mounting template on the wall and mark the 4 holes for drilling the holes as shown in Fig. 5.
3. Drill four 10 mm diameter holes in the wall, drilling depth approx. 60 mm - Fig. 5. Insert the supplied dowels into the holes - Fig. 6.
4. Take the four fixing brackets (G) and fix them to the wall (into the dowels) using the supplied screws (B - M6 x 50 mm). Make sure the brackets are in the correct position and firmly attached - Fig. 7.
5. Install the remaining radiator brackets and fix the radiator to the wall according to the procedure shown on the mounting template or in Fig. 8.
6. Tighten all screws on the brackets sufficiently.
7. **Ensure that all safe distances are maintained and that the product is securely fastened.**
8. Connect the product to the mains. The installation is complete and you can start using the radiator.

Removing the radiator from the wall:

If you want to take the product off the wall, proceed in the opposite way to hanging.

DESCRIPTION OF THE CONTROL PANEL



1. Standby indicator
2. Heating in progress indicator
3. Comfort mode indicator
4. ECO mode indicator
5. LED display
6. ON/OFF button
7. Mode change button
8. + Button (increase)
9. - Button (decrease)
10. Time and timer setting button

COMMISSIONING

Plug the appliance into a 230 V power socket.

When the device is connected, it will beep briefly and the Standby mode indicator  will light up. The heater has switched to **Standby mode**, no heating is taking place.

To switch on the heating, press the  (On/Off) button. The radiator will switch on in the preset day program and Comfort mode, with a preset temperature of 22 °C.

If the temperature in the room is below +22 °C, heating is taking place - this is indicated by the icon .

Note: The display still shows only the set temperature.

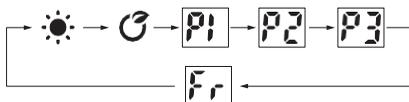
Program and heating mode settings

The radiator can be used in the following programs and heating modes:

Daily program (Comfort mode , ECO mode , Frost protection **Fr**), and **Weekly program (P1, P2, P3 modes)**.

Switching between modes is done by using the  button. The display will show an indication of the mode.

The heating mode changes with each press of the M button in a continuous cycle.



DAILY PROGRAMME

- in this program, the radiator heats in the classic way and maintains the user set temperature according to the selected heating mode.

The manual program is based on three modes: comfort, ECO (economic) and antifreeze protection (see **Heating mode settings**). The set temperature in the room will be automatically regulated and maintained by the thermostat (see **Temperature Settings**) until you switch off the appliance. Allows you to set the **heating shut-off timer** for up to 9 hours.

- **Comfort mode**  - heating takes place according to the set temperature in the range of 5 - 35 °C. The display shows the mode icon and the set temperature.
- **ECO (Economy) mode**  - the device operates in economy mode. The heating temperature is automatically reduced by 4 °C compared to the temperature set in Comfort mode. The temperature can be set from 1 to 31 °C. The display shows the mode icon and the set temperature.
- **Frost protection mode**  - the device maintains a minimum temperature of 7 °C. The temperature cannot be changed. Heating only takes place when the measured temperature is below 7 °C.

Temperature setting

Use the  and  buttons to set the desired temperature in the range 5 -35 °C (or 1 -31 °C ECO mode). The set temperature is saved automatically.

Setting the temperature below 7 °C can also serve as **frost protection**.

- If the temperature in the room is equal to or higher than the set temperature, heating does not take place.
- If the room temperature is 2 °C lower than the set temperature, the heating is switched on.

Note: The  icon indicates that heating is in progress.

Note: When the product is heated for the first time, the colour of the product is burnt. This is only a transient phenomenon that stops after a few minutes. Ventilate the room and continue heating.

Setting the shutdown timer

Press the timer setting button , the value 0h will be displayed.

Use the  and  buttons to set the desired time from 0 - 9 hours in 1 hour increments. The setting will be confirmed within 3 seconds. The display will show the remaining time until switch-off. After the time has elapsed, the radiator will switch off (Standby mode).

Quick timer setting: Press the  button repeatedly to set the timer in preset cycles of 0h, 2h, 4h, 8h.

Note: The shutdown timer setting is not possible in Frost Protection (**Fr**) mode.

Note: Each button press on the control panel is accompanied by a faint beep.

WEEKLY PROGRAMME

- in this program the radiator works and heats only according to the settings of the weekly program modes. The set temperature in the room will be automatically controlled and maintained by the thermostat only according to the selected heating mode within the time periods of the weekly program modes P1, P2 and P3.

Note: Before switching on the weekly programme modes, you must first set the correct time and day of the week.

1. Setting the time and day of the week

- Press the  button for 3 seconds to enter the time and day of the week settings. The day of the week icon "d" will start flashing. Use the  and  buttons to set the current day 1 - 7 (Monday - Sunday).
- Press the  button a second time to confirm the day setting and go to the hour setting (0-24), the display will show .
- Press the  button a third time to set the minutes (0-59), the display will show .
- Set the time in hours and minutes using the  and  buttons. Long press and hold the +/- buttons to increase the value continuously.
- Confirm the settings by pressing  again.

Description of P1 / P2 / P3 modes

Note: The very first time you turn on any of the P1, P2, P3 modes, it will automatically start setting the current day of the week and time.

Note: The images below are for illustration only and not shown on the display.

Mode P1 (Monday - Sunday)

- preset program, cannot be changed



0 - 1 h: Comfort mode , 1 - 7 h: ECO mode 
and 7 - 24 hours: comfort mode 

Mode P2 (Monday - Friday)

- preset program, it is not possible to change it.



0 - 1 h: Comfort mode ☀️, 1 - 5 h: ECO mode 🌙

5 - 9 hours: comfort mode ☀️, 9 - 19 hours: ECO mode 🌙

and 19 - 24 hours: comfort mode ☀️

Mode P2 (Saturday - Sunday)

- preset program, it is not possible to change it.



0 - 1 h: Comfort mode ☀️, 1 - 8 h: ECO mode 🌙

8 - 11 am: Comfort mode ☀️, 11 - 1 pm: ECO mode 🌙

13 - 16: Comfort mode ☀️, 16 - 20: ECO mode 🌙

and 19 - 24 hours: comfort mode ☀️

P3 mode (Monday - Friday)

- adjustable program, it is possible to change it.



0 - 1 h: Comfort mode ☀️, 1 - 5 h: ECO mode 🌙

5 - 9 hours: comfort mode ☀️, 9 - 12 hours: ECO mode 🌙

12 - 16: Comfort mode ☀️, 16 - 18: ECO mode 🌙

and 18 - 24 hours: comfort mode ☀️

P3 mode (Saturday - Sunday)

- adjustable program, it is possible to change it.



0 - 1 h: Comfort mode ☀️, 1 - 5 h: ECO mode 🌙

and 5 - 24 hours: comfort mode ☀️

P3 mode settings

In P3 mode, different heating mode settings can be set for each day of the week.

1. Setting the time and day of the week

- Press the **(M)** button for 3 seconds to enter the settings for the day you want to set. The display will show **d1**. Use the **(+)** and **(-)** buttons to set the day **d1-d7** (Monday - Sunday).
- Press the **(M)** button to confirm the day settings and go to the time of day settings for which you want to change the heating mode settings. The display will flash **00**.

- Use the buttons **(+)** and **(-)** to select the time (hour 0 - 24) for which you want to set/change the heating mode.
- Press the **(M)** button to select the heating mode for each hour during the selected day.
 - Comfort mode - icon ☀️
 - ECO mode - icon 🌙
 - Frost protection - no icon will be displayed on the screen.
- Repeat the settings until you have set a schedule for every hour and every day.

Remark:

After setting the heating mode for the 23rd hour, press the **(+)** button to go to the day settings again. Select the next day **d1 - d7**.

Note: If the display shows day **d7**, press the **(+)** button to complete the P3 mode setting and the **P3** mode indicator will appear on the display.

Example: if **00** is lit on the display during setup and you select the Comfort mode ☀️, this means that from 0:00 - 0:59, heating will take place in Comfort mode (to the set temperature).

Note: You can change the desired temperature at any time in the weekly program - see. **Temperature settings**.

OPEN WINDOW DETECTION

- electricity-saving features.

- To activate open window detection,

press and hold the buttons **(M)** and **(+)** at the same time the display will show the open window icon **F0**.

After 3 seconds the display returns to the original display, the function remains activated.

- When heating is in progress and the electronics detect a drop in room temperature of more than 2 °C in 2 minutes (e.g. with an open window), the heating will automatically stop and the open window icon **F0** will flash on the display.
- To continue heating, press **(M)** to return to the operating mode before starting the open window function. The **F0** icon will stop flashing.
 - or after 20 minutes, the electronics automatically switch to the previous mode.
- To deactivate, press and hold the buttons at the same time **(M)** and **(-)**. The display will show the symbol **FF** for 3 seconds.

Shutting down the device

To switch off the device, press the **(P)** button and switch the mains switch to position 0. To switch off the device completely, disconnect the power supply the cable from the socket!

POWER FAILURE / PRESERVATION OF SETTINGS

In the event of a power interruption, the product will shut down. When the power is restored, the product will only switch to Standby mode, no heating will take place.

To continue heating, the product must first be switched on using the button , the heating will be switched on in Comfort mode. The electronics will remember the set temperature. The desired heating mode, the time and the day of the week (for using the weekly programme) must be set.

- The electronics will remember the temperature and P3 mode settings in the event of a power failure. However, the set time and day of the week (for the weekly program) will be erased.

SAFETY FUSE AGAINST OVERHEATING

The product is equipped with a built-in thermal fuse that automatically switches off the heating in case of overheating. When the thermal protection shuts down the product, disconnect it from the power supply and allow it to cool down. Check the product for damage. Then switch the product on again. If it still does not work, contact an authorized service center.

STORAGE

- Unplug the product from the power outlet and allow to cool before storing!
- If you are not going to use the product for a longer period of time, store it in its original packaging or foil. This will protect it from the combination of dust and dirt.
- The product must be stored in a dry place, out of direct sunlight.
- It is expressly forbidden to store the device in damp or wet areas.

CLEANING AND MAINTENANCE

Routine and regular cleaning of the surface is recommended.

- The product can only be cleaned when switched off and when it has cooled down!
- Before cleaning, switch off the product, unplug the power cord from the power outlet and let the device cool down.
- The surface can be cleaned with a damp cloth, vacuum cleaner or soft brush.
- **Never immerse the device or the power cable in water** - risk of electric shock!
- Never use petrol, thinner or aggressive and abrasive cleaning agents for cleaning!
- Any interference with the internal parts of the product is prohibited. Repair and related activities may only be carried out by an authorized service center.

WARRANTY AND SERVICE

If the instructions in the instructions for use are followed, the manufacturer guarantees that the product will have the characteristics specified in the relevant technical conditions and standards throughout the warranty period.

The product is warranted for 2 years from the date of sale stated on the proof of purchase.

Warranty Terms:

1. Proof of purchase required.
2. The condition and functionality of the product are not disturbed by violent and unprofessional interventions of the user or by natural disasters.
3. Installation and operation was carried out according to the instructions for use

The warranty is void for defects caused by:

- Damage during transport of goods
- Improper use and storage
- Using a mains voltage higher than that indicated on the heater's label
- Natural disasters or other circumstances
- Failure to follow the instructions in the instructions for use
- In cases of repair or attempted repair of equipment by an unauthorized person
- Any intervention in the design of the product, its modification or change.

If a malfunction occurs during the warranty period that was not caused by the user or a natural disaster, contact an authorized service center to verify the repair claim.

After a legitimate claim, the service centre will repair the product free of charge.

WARNING! In case of failure to present the necessary documents (proof of purchase), damage to the product by the user or neglect of the instructions for use, the service center will repair the product only at the expense of the user.

WARNING!

Any interference with the internal parts of the product is prohibited. Repair and related activities may only be carried out by an authorized service center.

The manufacturer reserves the right to make design changes without prior notice, provided that such changes do not affect the functional characteristics and safety of the product.

INFORMATION REQUIREMENTS FOR ELECTRIC SPACE HEATERS

Model Identifier: TZ01-500						
Retrieved from	Symbol	Value 1	Value 2	Unit	Retrieved from	Unit
Heat output					Heat supply method, only for electric storage space heaters (select one)	
Rated thermal output	P _{nom}	0,5	0,8	kW	manual control of heat accumulation with integrated thermostat	No
Minimum heat output (indicative)	P _{min}	N/A	N/A	kW	manual control of heat storage with feedback on room temperature and/or outside temperature	No
Maximum continuous heat output	P _{max,C}	0,493	0,741	kW	electronic heat storage control with temperature feedback room and/or outdoor temperature	No
Auxiliary power consumption					heat output with fan	
At nominal heat output	e _{lmax}	0,0	0,0	kW	Type of heat output / room temperature control (select one)	
At minimum heat output	e _{lmin}	0,0	0,0	kW	one degree of heat output, without room temperature control	No
In standby mode	e _{lSB}	0,2	0,2	W	two or more manual stages, without room temperature control	No
					with mechanical thermostat for room temperature control	No
					with electronic room temperature control	No
					with electronic room temperature control and daily program	No
					with electronic room temperature control and weekly programme	Yes
					Additional control options (multiple options can be selected)	
					room temperature control with occupancy detection	No
					room temperature control with open window detection	Yes
					with remote control	No
					with adaptively controlled triggering	No
					with time limitation	No
with black ball sensor	No					

The product has been issued with a CE declaration of conformity in accordance with the applicable regulations. On request from the manufacturer: info@solight.cz, or downloadable at www.solight.cz/en



SOLIGHT

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