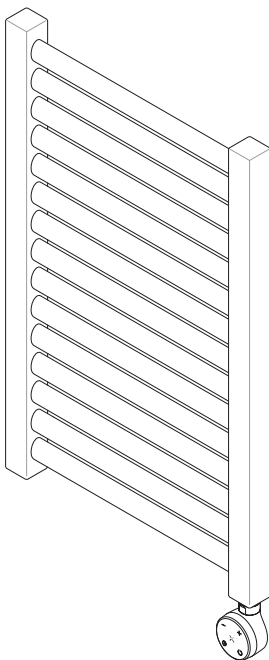


TOWEL WARMERS

ALL ELECTRIC TOWEL WARMERS



PRODUCT CODES: MP48X1140FELEC , MP48X1140TELEC, MP48X1140BZELEC, MP48X1140MBELEC, MP48X1140MWELEC, MP48X1380FELEC, MP48X1380TELEC, MP48X1380BZELEC, MP48X1380MBELEC , MP48X1380MWELEC, MP48X93FELEC, MP48X93TELEC, MP48X93BZELEC, MP48X93MWELEC, MP48X93MBELEC.

i Please read these instructions carefully before starting installation and keep in a safe place for future reference.

Check the contents of the pack carefully before installation. Responsibility will not be held for any de-fit / re-fit costs where faulty product has been fitted. If any fault is found with materials or workmanship, it must be reported immediately to the manufacturer. Remedial action will be taken, based on information received, on condition that:

1. Full details are supplied to the manufacturer;
2. The product has not been modified or tampered with;
3. The manufacturer is informed of any damage/shortages prior to installation.
4. The product has not been installed, or attempts have been made to install.

We do not accept responsibility for any problems that may occur through incorrect installation. ENSURE the room is well heated and ventilated.

Any modification to the supplied product will negate all product guarantees. Before drilling ensure there are no hidden cables or pipes (water, gas or electrical) behind hanging points. Always wear suitable eye protection when drilling. Ensure the wall surface is able to take the weight of the complete product. Please use the supplied wall fixing bracket and follow the correct installation method. If the instructions are not followed appropriately there is an increased safety risk to the user. It is important to install light fittings in the correct bathroom zone i.e. the zone referred to in the IP rating of the element. This is not an installation guide and reference should be made to the latest edition of the IET Wiring

Regulations or a qualified electrician member of NICEIC or IET.

i **IMPORTANT INFORMATION**

Please read carefully and keep this information for further reference.

Installation Guide & User Manual

Our products have been designed and manufactured in such a way to ensure that all quality, functionality and aesthetic requirements are met. We would like to congratulate you on the purchase of this great product and wish you a pleasant experience with it.

Please read these instructions carefully before starting installation and keep in a safe place for future reference. ENSURE the room is well heated and ventilated.

Before installation, carefully check the contents of the package and the instructions contained in the manual included with the installation kit. Crosswater will not be held responsible for any de-fit / re-fit costs where faulty product has been fitted.

If any fault is found with materials or workmanship, it must be reported immediately to the manufacturer. Remedial action will be taken, based on information received, on condition that:

1. Full details are supplied to the manufacturer.
2. The product has not been modified or tampered with;
3. The manufacturer is informed of any damage/shortages prior to installation.
4. The product has not been installed, or attempts have been made to install.

Only the installation fittings supplied with the product can be used. We do not accept responsibility for any problems that may occur through incorrect installation. The device should only be installed by a fully qualified installer such as NICEIC, IET - failure to comply to this will invalidate all warranties. This product **MUST** be installed in accordance with the the latest requirements of Part P of the Building Regulations. Failure to comply will invalidate any warranty.

Features nad functions

- 5-step heating temperature range
- Low energy consumption in stand-by mode
- Low energy consumption in stand-by mode
- Temperature sensor installed in the heating element
- Double overheating protection
- Heating element protection against dry functioning
- ANTIFREEZE function, protection against temperatures below 5-7°C
- 2h drying function with a switch-off mode
- Turn off time

The element is the I class heating element.

Functionality

The element offers 5 temperature settings ranging from 30°C to 60°C. It is equipped with an electronic temperature sensor that guarantees precise temperature control. The element displays the currently set temperature level and the status of the heating cycle using an LED indicator. The heating element has a very low power consumption in a standby mode.

Safety

The element is equipped with ‘frost’ protection (ANTIFREEZE). It also has a double protection against overheating of the radiator and displays a warning in case of malfunction. It has an active safety feature in case of operation in a dry radiator.

Dryer function

This function allows the setting of a higher heating power for two hours, after which the device returns to the previous state.

Intelligent building systems

In the event of a power failure the MOA remembers its previous settings therefore making it suitable for connection to external timers and intelligent building systems.

Electric radiator

Guide to safe installation and use.

1. This product **MUST NOT** be installed with an extension lead, 3 pin plug or electric plug adapters.
2. The device is not equipped with an external temperature controller.

Do not use the device in a small room if unsupervised disabled or incapacitated individuals are inside it. Only use the device if those individuals are under constant supervision.

3. Electric heater is not a toy. Children under the age of 3 should not be allowed within close proximity of the device without the supervision of an adult.

Children aged 3 to 8 should only be allowed to operate the heater when it has been properly installed and connected. The child must be under adult supervision or have been trained to safely operate the device while understanding the risks. To ensure the safety of very small children, install the electric dryer so that the lowest tube is at least 600 mm above the floor.

4. Note: Some parts of the radiator can be hot and can cause injury. Pay special attention to the presence of children or people with disabilities.
5. If the device is used as a clothes and towel dryer, ensure that the fabrics drying on it have only been washed in water with standard washing products, avoiding contact with any harsh chemicals.
6. While connecting the radiator to electric installation ensure that the circuit has a 30 mA residual-current circuit breaker and an appropriate overcurrent circuit breaker. With the permanent installation (cable connection without plug) it is also mandatory to provide an omnipolar cut-off switch with a minimum contact opening of 3 mm for disconnecting the device on all poles.

7. The device version labelled PB can be installed in bathrooms in zone 1, as defined by applicable law, subject to any additional regulations concerning electrical installations in wet areas.

Other versions of the device can be installed in Zone 2 or beyond. In any case, if the radiator body does not have above-standard corrosion protection, the distance from the radiator to the water intake should be min. 1 m.

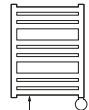
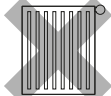
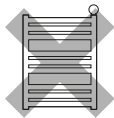
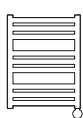
8. The device is recommended solely for home use, as described in the manual.
9. Ensure that the heater has been installed on a wall in accordance with its installation manual.
10. Please forward this instruction manual to the end user.

Tools Required (not supplied):

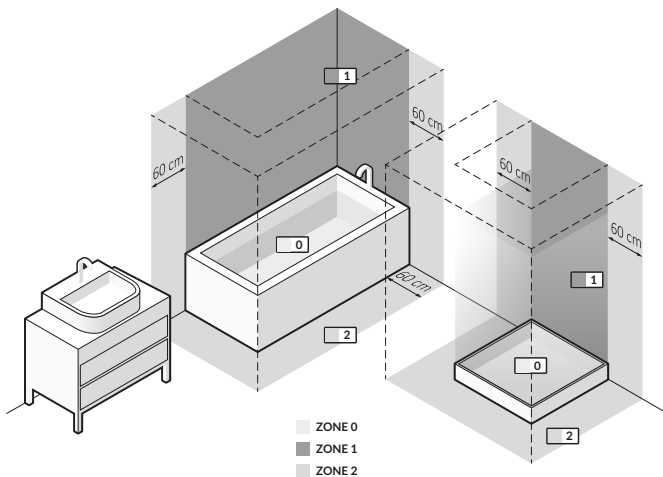
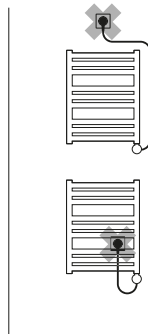
allen key



Radiator Installation zones



600 mm



"Zone 0" is inside the shower tray/bath, "Zone 1" is directly above them, while "Zone 2" is a protective zone with a width of 60 cm to ensure an appropriate distance from electrical devices in the room. Safety regulations indicate that the most suitable place to install an electric heater (heater with a heating element) is outside "Zone 2". One exception is the TOWEL DRYER, which can be installed in "Zone 1, but only if two conditions are met:

1. The device has a casing with a minimum protection rating of IP X4, and
2. The device is permanently connected to the power supply.

Regarding this range of heating elements and electric heaters, it is permissible to install in "Zone 1" those variants of devices that are powered by a cable without a plug (PB) or connected to the network via a screw connection (MS). All variants of devices powered by any variant of a cable with a plug are excluded.

We recommend having the radiators installed by an installation professional.

1. WATER QUALITY: the radiator is intended for use in sealed central heating systems.

CAUTION! The radiator must not be installed in open-vented or domestic hot water systems.

Remember to bleed your central heating system and the radiator. The radiator is intended for use in central heating systems consisting of carbon steel pipes or plastic pipes with diffusion barrier. Detailed requirements concerning sealed central heating systems, water quality and operation of such installations are defined in norms applicable in a given country.

CAUTION! Installation parameters must not exceed the radiator operating parameters defined on the last page of this manual.

CAUTION! The heating medium must not contain ethylene or propylene glycol.

2. THE RADIATOR FULLY COMPLIES WITH THE FOLLOWING REGULATIONS: Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011 regulating the conditions for the marketing of construction products, and harmonised standards:
EN 442-1 Radiators and convectors — Part 1: Technical specifications and requirements,
EN 442-2 Radiators and convectors — Part 2: Test methods and rating.

Safety requirements – installation

1. Do not install the heater directly below an electrical outlet.
2. To protect very young children from hazards, the electric clothes or towel dryer should be installed so that the lowest tube is at least 600 mm above the floor.
3. Ensure that the heater is installed on the wall according to the installation instructions.
4. Fitting and connection of the heating element should only be performed by a qualified installer. The device should only be installed by a fully qualified installer such as NICEIC, IET - failure to comply to this will invalidate all warranties.
5. Connect the unit to a sound electrical installation (see the ratings on the heater).
6. Ensure that the power cord does not touch the hot parts of the heating element or radiator.
7. Before installing or removing the device, make sure it is disconnected from the power source.
8. Do not open the device – any interference with internal components will invalidate the warranty.
9. Fitting and Installation of the device must be carried out in accordance with all local regulations for electrical safety, including installation within permissible locations only. Observe bathroom electrical zone regulations. This product **MUST** be installed in accordance with the the latest requirements of Part P of the Building Regulations. Failure to comply will invalidate any warranty.

Safety requirements – use

1. This device is not equipped with a room temperature regulator. Do not use it in small rooms where there are people unable to leave the room on their own unless constant supervision is provided.
2. The electric heater is not a toy. Children under the age of 3 should not be near the heater without proper supervision. Children aged 3 to 8 may operate the heater only if it is correctly installed and connected, and they are supervised or have been instructed on safe usage and understand the potential hazards.
3. Warning: Some parts of the heater may become very hot and can cause burns. Extra caution is required when children or disabled persons are present.
4. If the device is used as a dryer for clothes and towels, only dry fabrics that have been washed in water.
5. Do not use extension cords or socket adapters to power the heater.
6. Ensure that the circuit in the electrical installation to which the heater is connected has an appropriate overcurrent circuit breaker and a residual current device (R.C.D.) with a sensitivity of 30 mA. For permanent connection of the device (versions without a power cord with a plug), a switch that allows disconnection of the device on all poles with a contact gap of 3 mm is also mandatory.
7. Use the device only in accordance with its intended purpose as described in the user manual.
8. This informational material should be given to the end user of the heater.
9. Regularly check the device for damage to ensure it is safe to use.
10. If the power cord is damaged the device should not be used. Unplug the device and contact the manufacturer or distributor.
11. Do not allow flooding into the heating element casing.
12. The heating element and radiator can heat up to high temperatures. Please be cautious—avoid direct contact with the hot parts of the equipment.
13. The device must be disconnected from the mains during cleaning and maintenance.
14. Cleaning of the equipment by children under 8 years of age is only permitted under appropriate supervision.

Intended use of device

The electric radiator has been designed as a dryer for towels and clothes with a load not exceeding 5 kg.

Technical information

Model markings (power cable type): PB (Straight cable without plug).
Device intended to be connected permanently to the system.
Protection required: 30 mA residual-current circuit breaker and an omnipolar cut-off switch with a minimum contact opening of 3 mm for disconnecting the device on all poles.

Type of electrical connection: Y

Power supply: 230 V / 50 Hz

Appliance class: Class I

Towel rail connection thread: G 1/2"

Ingress protection rating: IPx5

Heat outputs available: 400W, 600W

The electric radiator fully complies with the following regulations of the European Parliament and of the Council and the standards that follow from them:

LOW VOLTAGE DIRECTIVE, 2014/35/EU

EN 60335-1:2012, EN 60335-2-73:2003+A1:2006+A2:2009, EN 60335-2-43:2002 + A1:2006+A2:2008

EMC DIRECTIVE, 2014/30/EU

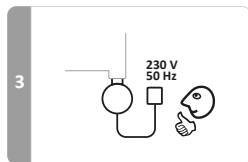
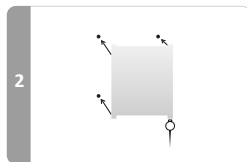
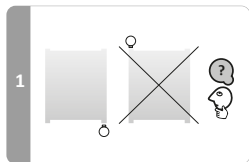
EN 62233:2008, EN 55014-1:2017, EN 55014-2:2015, EN 61000-3-2:2014, EN 61000-3-3:2013

RoHS DIRECTIVE(2015/863/EU)

WEEE DIRECTIVE(2012/19/EU)

Before installation or first use:

1. Read the chapter Safety requirements — Installation.
2. To properly mount the radiator on the wall, follow the instructions in the manual included with the mounting kit.
3. Follow the subsequent guidelines when connecting the electrical installation:
 - a. Brown wire — live connection to the circuit (L).
 - b. Blue wire — connect to neutral (N)
 - c. Yellow & green wire — earth connection (PE).



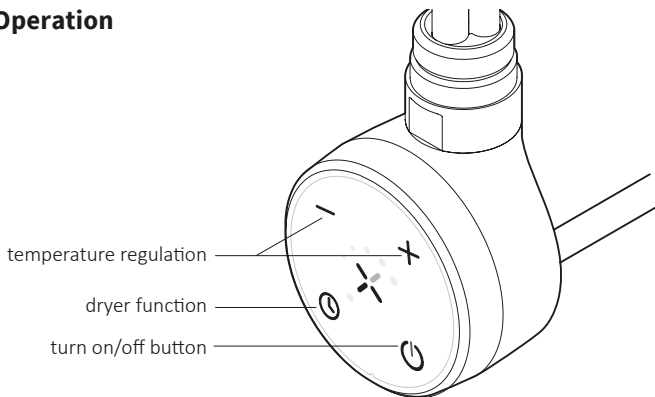
Notes prior to removal:


1. Before dismantling permanently, disconnect the heating element from the mains and ensure that the radiator is not hot.
2. Be aware. A radiator filled with liquid can be very heavy. When moving the radiator, ensure that you take the necessary safety precautions.

Product disposal

This product should not be disposed of as general waste but should be brought to the appropriate collection point for recycling of electric and electronic devices. This information is provided by the sign on the product, user manual and packaging. Information on the appropriate point for used devices can be provided by your local authority, product distributor or the store from where the product was purchased. Thank you for your effort towards protecting the environment.


Product Operation



Turning the device on with the  button will result in the radiator heating up to the set temperature. After reaching the set temperature the device will turn off and on regularly in order to maintain the set temperature.

The construction of the device as well as the physical characteristics of the heating agent inside the radiator, influence the way in which the heat is distributed — the temperature of the bottom pipes on the radiator (especially the two located at the very bottom of the radiator), may be lower than the temperature of the remaining parts of the radiator — this is normal.

Temperature increase

In order to increase the temperature of the radiator, press  once or several times as required; the correct number of diodes will start blinking. If the last active LED is flashing, it means that the temperature has not yet been reached, if the last LED is constantly lit, the set temperature has been reached. During the operation of the device, as the temperature rises, fewer and fewer LEDs flash, and more and more lights up constantly, until the set temperature is reached.

Temperature decrease

In order to decrease the temperature of the radiator, press ⊖ once or several times as required; the correct number of diodes will start blinking. The number of permanently lit LEDs indicates the set temperature, and the last flashing LED indicates the current temperature. The next LEDs will go out as the temperature decreases.

Anti-freeze function

When the device is off and the temperature surrounding the temperature sensor drops to below 6°C, the device will switch on automatically. This is to prevent the heating agent inside the radiator from freezing. The activation of Anti-freeze mode is indicated by the blinking of the middle diode.

Dryer function

The Dryer turns the device on for 2 hours, e.g. in order to dry a towel. After this period of time the device automatically switches to the last mode set before the dryer mode was activated.

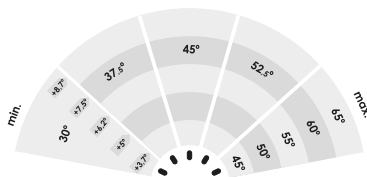
Dryer function can be activated during heater operation by pressing ⊕ button. You can now freely adjust desired temperature level (buttons ⊕ and ⊖). After 2 hrs heater will revert to the previous setting (before dryer function activation). To use 2 hrs timer heating element must be switched off. Switch it on by pressing ⊕ button. After 2 hrs heater will switch off automatically.

Press ⊕ button at any time to interrupt the dryer mode.

Calibrating the temperature span

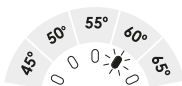
The standard temperature span of the heating element is 30-60°C. It is possible to increase or decrease that span by setting a maximum temperature of between 45°C and 65°C, (minimum temperature of 30°C stays unchanged). This allows the user to achieve a maximum temperature which is higher than the standard or to effectively heat a space with the device during lower surrounding temperatures.

Example: for the temperature regulation span of up to 45°C (30-45°C) modification by one step (one diode), means increase/decrease of temperature by 3.75°C, while for the temperature regulation span of up to 65°C (30-65°C) modification by one step means increase/decrease by 8.75°C.



In order to modify the temperature span, unplug the device and plug it back in, while pressing \odot button. A single diode will start blinking on the display panel. Use \oplus and \ominus buttons to set one of the 5 possible maximum temperatures. The first diode stands for 45°C. The following diodes refer to the following maximum temperatures: 50°C, 55°C, 60°C and 65°C.

After selecting the new temperature span press on/off button to store the new settings.



Problem solving

Problem	Possible cause	Solution
The device is plugged in, no diodes are on.	Problem with the mains electrical connection.	Check the mains electrical supply is working and fuse/RBC is working correctly.
Heating element is not heating, outside diodes are blinking alternately.	Temperature sensor has been damaged.	Disconnect the device completely, wait until the radiator cools down and re-connect it again.
The device is heating despite turning it off with the \odot button.	Damaged electronics.	Disconnect the device completely, wait until the radiator cools down and re-connect it.
If the problem continues please contact your installer.		

For any further information please contact us on: **0345 873 8840**

Or visit our web-site at: **www.crosswater.co.uk**

The manufacturer reserves the right to make technical modifications without prior notice.

Warranty terms & conditions

1. The warranty terms applies to the decorative radiator manufactured with parameters specified on the last page of this booklet.
2. Check the contents of the pack carefully before installation. Bauhaus will not be held responsible for any de-fit / re-fit costs where faulty product has been fitted.

If any fault is found with materials or workmanship, it must be reported immediately to the manufacturer. Remedial action will be taken, based on information received, on condition that:

- a. Full details are supplied to the manufacturer;
- b. The product has not been modified or tampered with;
- c. The manufacturer is informed of any damage/shortages prior to installation.

By accepting the product the Consumer confirms that the product is of full value, free from any defects. In case of any defects the Consumer should inform the Seller. Otherwise it is assumed that the Seller provided the Consumer with a product without any defects (in particular paint coating faults).

3. The warranty periods are:
 - a. 8 years for steel radiator paint coating in all RAL and special colours,
 - b. 8 years for water tightness of steel radiators,
 - c. 5 Years for Chrome Finish
 - d. 2 years for electric components in electric radiators and heating elements designed for radiators.
4. The product serial label placed on the back of the radiator and evidence of purchase are prerequisites for any claims resulting from the warranty. The Manufacturer may reject the claim if any of the above has not been supplied.

5. The warranty does not cover:
 - a. product faults or any problems resulting from incorrect (not in compliance with the manual) installation or use;
 - b. product faults resulting from using the radiator in defiance of the requirements specified in the attached manual — in particular those regarding water characteristics and pressure inside the radiator;
 - c. damage caused by the Consumer after receiving the product from the Seller.
6. The warranty does not apply to any claims related to technical and functional features of the radiator, as long as they conform with those stated in the manual and technical specifications.
7. For a claim made under our warranty written certification of your installers credentials can be required. For further information or to find a qualified installer in your area please visit the Institute of Plumbers website — www.iphe.org.uk
8. The warranty service does not include any activities described in the user manual, and customarily performed and paid for by the Consumer.
9. It is recommended to install valves on the supply and return pipes making it possible to disconnect the radiator from the central heating installation. If valves are not fitted the Consumer covers the extra cost of radiator dismantling.
10. If the claim is accepted, the Manufacturer will repair the faulty product. The time required for the repair will be agreed with each Consumer individually. If the product cannot be repaired the Manufacturer will replace it with a new one.
11. The accompanying user manual is an integral part of the warranty documentation. Please read it carefully before using the product. These instructions have been prepared for your guidance, you must exercise due care at all times.

crosswater^x



Part of the
Bathroom Brands Group

We reserve the right to make technical
modifications without prior notice.

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