

FORTE PW CONTROLLER (Power version)

INSTALLATION, OPERATING AND USER MANUAL

IMPORTANT

**Prior to installing and using the controller, please carefully read this manual
and keep it for future reference**



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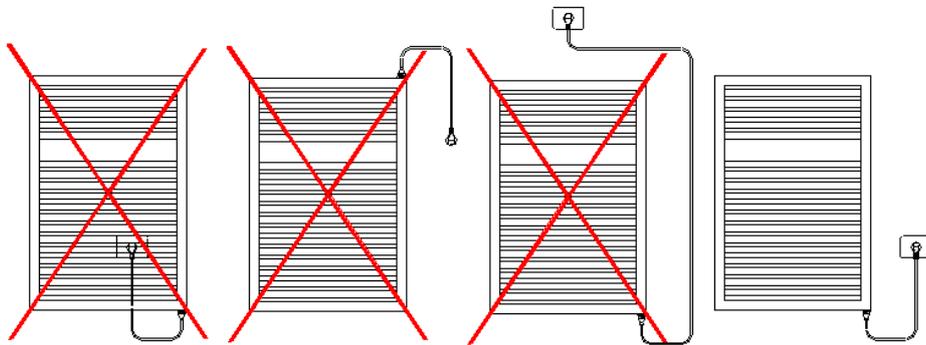
- The electronic controller is designed for drying water-washed clothing. Any other use is prohibited.
- Always make sure that the master switch is off before proceeding with installation or maintenance.
- Do not use the towel rail prior to its proper and complete installation by a qualified electrician and hot-water heating technician.
- Do not switch on the controller until the wiring has been checked and all cables are connected in accordance with manufacturer instructions. Check the controller for any damage and the O-ring for proper installation.
- Do not turn off the controller by disconnecting the supply cable.
- Do not use the controller if the electric circuit is not connected to a circuit breaker.
- If the electrical cord is damaged, have the appliance replaced.
- The nominal voltage of the controller must match the nominal voltage of the supply network (230 V AC $\pm 10\%$).
- The socket outlet (only appliances with a male plug) and power supply must be compatible with the required performance.
- The socket must be compatible with the controller plug (applies to appliances with a plug only).
- Check to ensure that the power supply system is connected to a socket circuit breaker.
- Class I appliances (a yellow-green conductor or earthing pin) may only be connected to sockets or terminals with earthed contacts in accordance with applicable standards.
- Prevent any contact of the appliance with chemicals or alcohol, including the towel dryer liquid.
- The appliance should not be operated by children or persons
 - with sensory perception disorders or mental health problems
 - lacking experience or knowledge necessary for operation of the appliance (unless under the supervision of a person responsible for their safety and capable of following the manual instructions).
- Prevent unattended children from tampering with the appliance.
- Never insert any metal objects, fingers, etc. in the controller connection area.

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INSTALLATION



- Do not install the towel dryer with the FORTE controller on top.
- Do not install the towel dryer below or in front of a socket outlet or terminal box.
- The controller must not come in contact with the wall or floor when installed.



- The controller can only be connected to 230 V AC 50 Hz. Observe the following colour code where no plug is available.

CONDUCTOR COLOUR	CONNECTION POINT
Brown	Phase conductor
Blue	Neutral conductor
Yellow-green	Protective conductor (Class I)

- The electronic controller must be connected to a socket circuit breaker.
- If the appliance is to be installed in a bathroom, it must be protected by a residual current device with 30mA release current.
- The controller is Class I water-proof. For bathroom installations, it should be located in Zone 3 (see Fig. 1) so that the control unit is out of reach of people using the shower or bathtub.
- Towel dryers to be fitted with the FORTE PW controller must be installed 40 - 80 mm away from the wall and no less than 250 mm above the floor.

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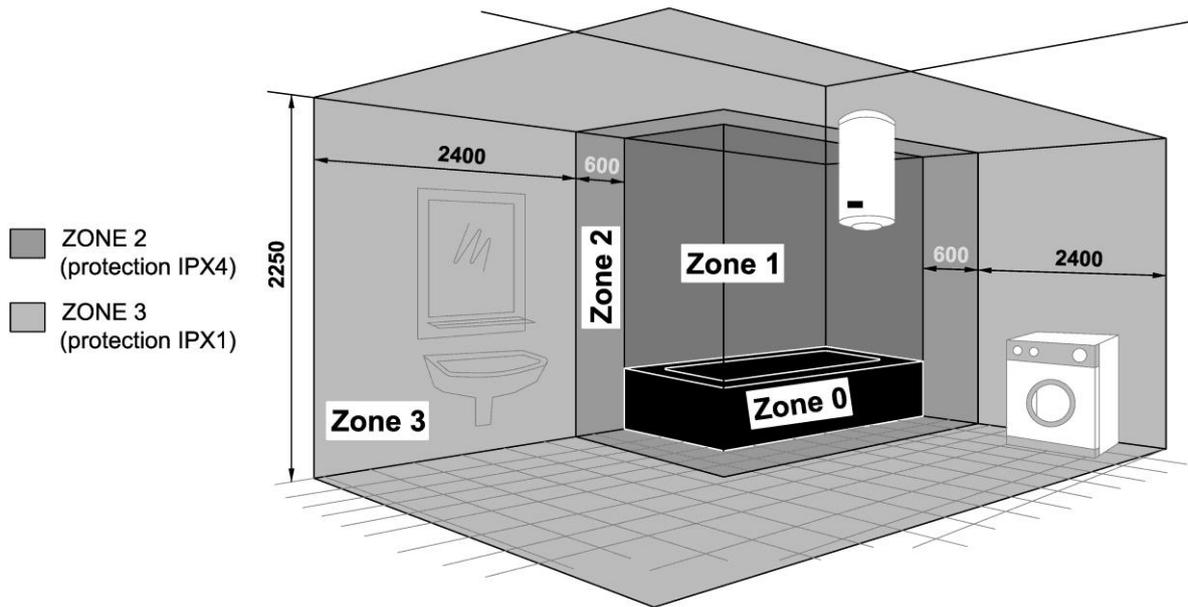
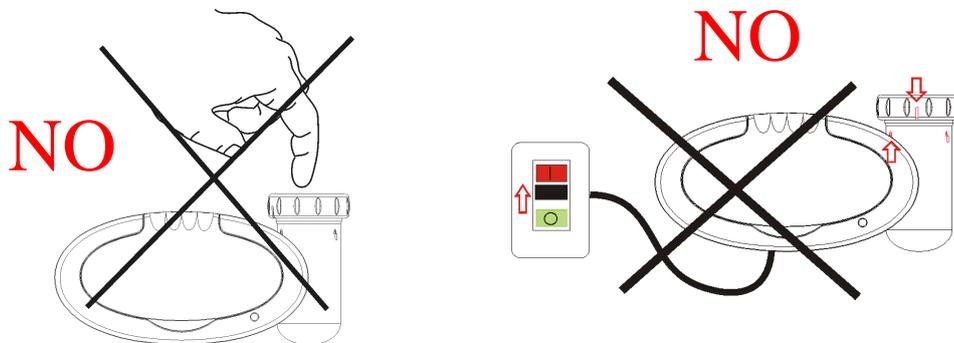


Fig. 1: Bathroom zone classification

SAFETY INFORMATION



- Check that the mains power supply is disconnected prior to installation or removal of the controller.
- Do not insert steel/metal objects or fingers in the quick coupling.

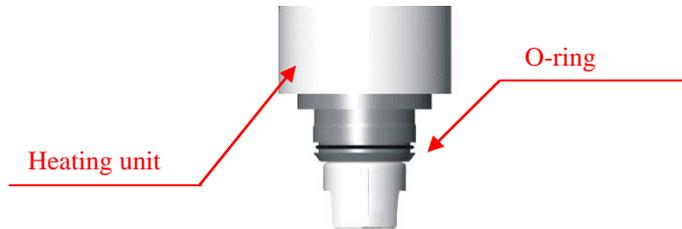


- Before disconnecting the power supply, ensure that the quick coupling has been closed and blocked (the indicator is over the closed lock symbol).

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Controller installation

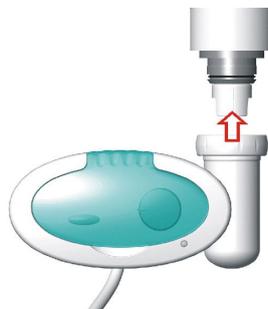
1. Ensure that the O-ring of the heating unit being installed is in the correct position and free of damage (replace if necessary).



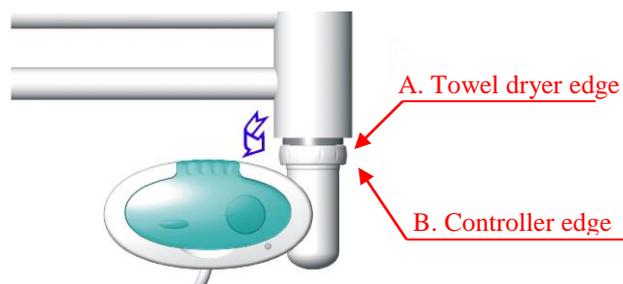
2. Prior to inserting the plug into the opening, shift the ring indicator (A) over the open lock symbol (B).



3. Apply a gentle pressure to push the plug into the heating unit. Align the contacts by turning if required.



4. Align the controller parallel with the towel dryer. Insert the controller until the towel dryer edge (A) is against the higher part of the controller (B).



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- Turn the ring clockwise until the indicator (A) lines up with the closed lock symbol (B); you should hear a click.



CONTROLLER OPERATION

The appliance features a pair of control buttons and a turning knob, as shown in Fig. 2.

The controller works in 4 operating modes: “Standby” mode, normal mode, “1H” quick heating and “2H” quick heating modes (for cloth drying). Use the knob (3) to turn on/off the appliance. The LED light is red when the controller is ON and the heating rod is activated. The LED light switches to green when the controller is OFF and the heating rod is deactivated.

Standby mode

In the Standby mode, the indicator is all the way to the left of the turning knob (3) scale. The controller LED is not lit up, i.e. the controller is OFF. Deactivate the Standby mode by turning the knob clockwise. The controller will switch ON as soon as the diode lights up.

Normal mode

This operating mode is used for heating up the towel dryer.

Use the turning knob (3) to set the required output of the heating unit as shown on the scale (see Fig. 3). The output can be regulated withing the range of 20 ÷ 100% of the heating unit nominal output.

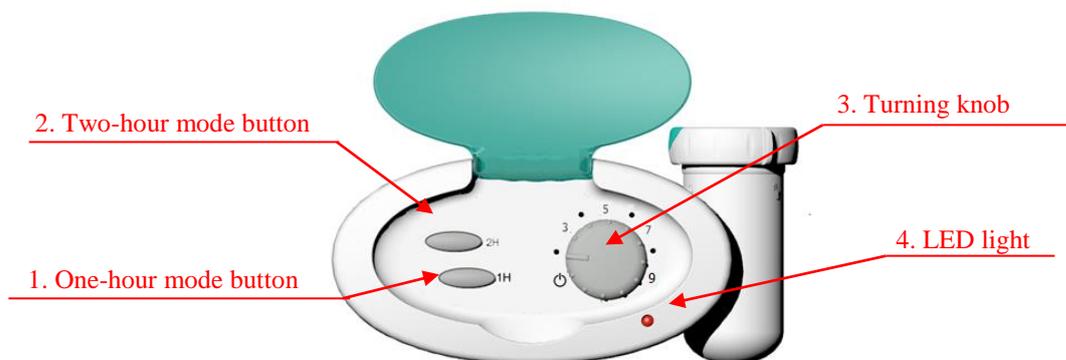
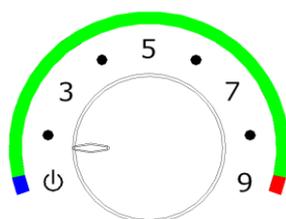


Fig. 2: Forte PW controller
approx. 60%



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approx. 20%

100%

Fig. 3: The controller turning knob scale

1H and 2H quick heating modes

Select this mode for continuous 100% heating of the towel dryer for a period of one or two hours (suitable for cloth drying using the recommended bathroom accessories).

1. To activate this mode, turn the knob to shift the indicator to the Standby position.
2. Press button 1: The LED will slowly flash.
3. The system will switch to the one-hr. heating mode. The mode can be deactivated at any time by pressing button 1 again. If you wish to activate the two-hr. mode, follow the same procedure by pressing button 2.

Technical specifications

Operating voltage	230 V \pm 10% AC 50 Hz
Maximum el. input	2,000 W
Insulation class	Class I
Protection rating	IPX4
Operating temperature	0 \div 50 °C
Storage temperature	-20 \div 70 °C
Operating humidity	0 \div 85% at 25 °C (without condensation)
Output control	Analogue turning knob (linear)
Output setting range	20 \div 100% of nominal output



The unit must be installed in accordance with all national safety standards and regulations applicable in the country of installation.

WARRANTY

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1. Seller's warranty applies only to the tightness, surface finish, specified parameters of heating output and pressure losses of heating units professionally installed in a closed hot water system in accordance with applicable standards and regulations, including the corrosion properties of the heat carrying liquid used exclusively as heating medium and never as service water.
2. All heating bodies must be professionally installed in accordance with applicable standards in a closed hot water system completed in a professional manner under VDI 2035 with respect to protection against damage caused by corrosion and scale.
3. The corrosive effects of the environment in which the heating units are installed shall not exceed the surface finish requirements set out in the applicable standard.
4. Electric heating units shall be professionally installed in accordance with applicable standards and standard regulations regarding appliance location in bathrooms, IPX4 rating – Zone 2, IPX1 rating – Zone 3. Units with a heating rod must be stored at a temperature above – 5°C.

Warranty periods:

- bathroom pipe radiators, warranty period of 5 years for white and colour radiators, 2 years for chrome radiators (from delivery to the customer).
- two-year warranty for the electronic controller and the heating rod from the date of sale. All warranty repairs of electric heating units are to be carried out exclusively at authorized locations.

The warranty covers only manufacturing and/or material defects which occur during the warranty period.

The warranty can be claimed against this warranty card and the original purchase document (receipt) issued by the seller in respect of the product purchased. This document must include an identification of the product, the date of sale and the retail outlet stamp. Copies and receipts with missing data will not be accepted for warranty purposes. The warranty can be claimed directly with the seller.

The customer's right to warranty repairs shall be forfeited in the event that the heating units were:

- installed in buildings, at facilities or on premises where higher levels of humidity are a concern; this applies particularly to public toilets, car wash facilities, animal pens, indoor swimming pools, etc.;
- stored outdoors exposed to the elements and/or stored at temperatures below – 5°C;
- damaged and their water tightness compromised due to corrosion caused by, for example, inappropriate chemical composition of the heat-transfer fluid;
- deformed as a result of improper transport or exceeding the maximum operating excess pressure limit;
- mechanically damaged by the purchaser or in transit;
- unprofessionally installed or their framework was tampered with without approval of the seller;
- used for other than normal purposes, particularly for drying fabrics directly on the heating units without the use of the appropriate accessories, which causes damage to the surface finish;
- any changes made in the warranty card by an unauthorized person;
- failure to complete or loss of the warranty card.

The warranty shall not apply to wear beyond normal wear and tear. If no defect caused by the manufacturer is detected during the inspection or if warranty conditions are not met, all costs associated with said inspection and/or repair shall be borne by the purchaser.

All defective units sent by post must be properly wrapped in the original packaging.

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