Electrical Element Wall Controller Instructions

Temperature Increase button

Temperature Decrease button

On/off button   Eco boost button
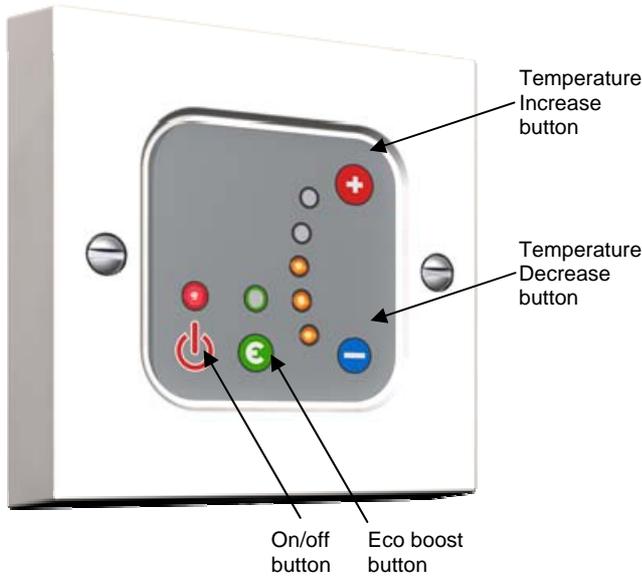
Electrical Element Wall Controller

Please read the instructions thoroughly before attempting to fit the product or attach it to your electrical system.

If you are replacing the element please ensure that you choose a suitably sized one for your towel rail. The controller will only work with standard construction towel rails and not PTC type elements.

Safety Precautions: This product should be fitted by a competent person who can ensure compliance with IEE, Part P and local authority regulations. Ensure the mains electrical circuit and the fused spur unit are both isolated before fitting. This controller should also be fitted within the correct zone in the room.

Wiring the towel rail element

A fused spur is required in the supply circuit to the controller, fitted with the correct size fuse. The 2 x E & 2 x N terminals are linked on the printed circuit board.

Electrical Element Wires

The element wires should be connected as follows;
Blue Neutral to one of the 'N' terminals
Brown Live to the 'L' **LOAD** terminal (NOT the terminal marked 'L')
Green/Yellow Earth to one of the 'E' terminals
VERY IMPORTANT - **This unit must be earthed**

Mains Cable Wires

The mains wires should be connected as follows;
Blue Neutral to one of the 'N' terminals
Brown Live to the terminal marked 'L' (NOT 'LOAD')
Green/Yellow Earth to one of the 'E' terminals
VERY IMPORTANT - **This unit must be earthed**

Carefully fit the control plate into the back box ensuring that no wires are trapped during the sitting process. Use the two fixing screws to secure to the back box.
If using the side cable entry position, please ensure the Cable clamp and screws are used.

Operating instructions

There are four buttons on the control plate. The 'on/off' button, the temperature 'increase/decrease' buttons and the 'Eco' boost button.

Basic operation

The unit in standby mode displays the main LED in **BLUE**. To turn the unit on in normal mode, press the 'on/off' button and release it. The LED will turn **RED**, the **ORANGE** LED bank will light between one to five LED's. To increase or decrease the temperature press the 'increase/decrease' buttons to attain the desired setting. Each one of the **ORANGE** LED's represents the following power output from the element:

Power settings as below:
5 LEDs =	**100% power**
4 LEDs =	**85% power**
3 LEDs =	**70% power**
2 LEDs =	**55% power**
1 LED =	**40% power**

To turn the unit off, press the 'on/off' button and release it. NB The control plate contains a memory and whatever the temperature that was set when the unit was turned off, will be the temperature (number of Led's lit) that the element will resume at when the unit is turned on the next time.

ECO function

Press the ECO button from either power on or from standard control, the power LED will turn **GREEN**. The ECO function allows you to go to a higher power setting for 30 minutes (To heat the towel warmer) this power level can be set in the first 30 minutes. After 30 minutes the power is reduced to the pre-set lower level for 90 minutes. The power output can be set using the increase/ decrease buttons to set your preferred rail temperature. After 2 Hours the controller will turn off. Both the 30 minute and the 90 minutes settings are saved in the controller.
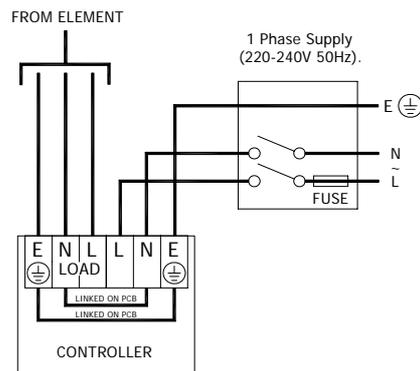
Technical Data.
IP rating:	IPX4
Voltage:	220-240 V AC
Maximum power output:	800w
Dimensions:	85 x 85 x 20mm
Approvals:	CE, tested to EN55014-1:2006