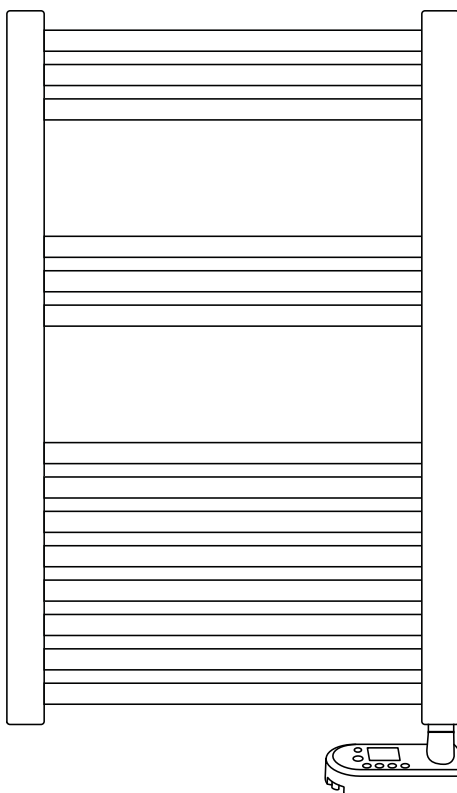




Pacific Towel rail



Models:

RFTR780WH
RFTR920WH
RFTR780CR
RFTR920CR
RFTR780BL
RFTR920BL

NOTE

A qualified electrician must carry out the electrical installation of this towel rail. The electrical installation must comply with current UK & IE regulations. Any claim on the warranty could be invalid if these requirements have not been met.

CONTENT

IMPORTANT INFORMATION.....	3
TECHNICAL DATA	4
GENERAL INFORMATION.....	4
CONTROL OPTIONS.....	4
ELECTRICAL POWER SUPPLY	4
INSTALLATION INSTRUCTIONS	5
Location of the towel rail.	5
Components.	6
Mounting	6
OPERATING INSTRUCTIONS	7
Manual Programming	8
Set program temperatures	8
Setting the time and date	8
Entering a program	9
Boost	10
Display settings	10
Programming with APP	11
Keypad Locking (Anti-Tamper).....	11
Advanced settings	11
Password	13
Runback mode.....	13
Activating runback mode	13
Setback	14
Max temperature	14
Error codes	15
Troubleshooting	15
Default Values	16
ECODESIGN TABLE.....	17
MAINTENANCE AND CARE	20
GUARANTEE	20
CORRECT DISPOSAL OF THIS PRODUCT	20

IMPORTANT INFORMATION

- Caution: parts of this product may become very hot and cause burns. You have to lend special attention in the presence of children and vulnerable people.
- Children under 3 years of age should be kept away from this appliance unless they are under continuous supervision.
- Children aged between 3 and 8 years old must only switch the appliance ON or OFF, provided that the appliance has been placed or installed in a normal position and that these children have or have been instructed to use the device safely and understand the potential hazards.
- Children between 3 and 8 years old should not plug in, adjust, clean, or carry out user maintenance.
- This device can be used by children at least 8 years of age and by persons with reduced physical, sensory or mental abilities or no experience or knowledge, if they are properly supervised or if instructions for the safe use of the device have been given to them and the risks involved have been addressed.
- Children should not play with the device.
- Cleaning and user maintenance should not be performed by unattended children.
- To avoid danger to very young children, it is recommended to install this towel heater so that the lowest heating bar is at least 600 mm above the floor.
- This appliance must only be connected according to the rules and standards in application, by an authorized person.
- If the power cable is damaged, it must be replaced by the manufacturer, its after-sales service or similarly qualified persons in order to avoid a hazard.
- All work on the electrical parts must be carried out by a qualified professional.
- At the first heating, a slight door may appear corresponding to the evacuation of any traces related to the manufacture of the device.
- A power management system or power failure is not compatible with our devices. It damages the thermostats.
- For safety reasons, it is strictly forbidden to refill the towel rails. If necessary, contact the manufacturer's after-sales service or a qualified professional.
- To ensure proper operation and avoid overheating, the electronic controller must not be covered by a towel or a bathrobe.
- Before servicing the towel rail, turn it off and let it cool down. Never use abrasives and solvents.
- The towel rail is filled with a heat transfer fluid dangerous to health if swallowed. In the event of a leak, contact your installer and take any precautionary measures to prevent any ingestion of fluid by users, especially young children and vulnerable persons.
- Avoid placing the towels on the wall supports.

TECHNICAL DATA

MODEL	Power (W)	Color	Shape	Dimensions (mm) HxWxD	Net Weight (kg)	N° tubes
RFTR780WH	300	White	Straight	858 x 500 x 120	9	14
RFTR920WH	450	White	Straight	1020 x 500 x 120	11	18
RFTR780CR	150	Chromed	Straight	858 x 500 x 90	9	14
RFTRC920CR	250	Chromed	Straight	1020 x 500 x 90	11	18
RFTR780BL	300	Black	Straight	858 x 500 x 120	9	14
RFTR920BL	450	Black	Straight	1020 x 500 x 120	11	18

GENERAL INFORMATION

Pacific towel rail is manufactured in steel, with a white, black or chrome finish. It is simple to fit and maintenance-free.

Fast to heat up and fully programmable either directly into the towel rail or connecting to the RF Gateway and programmed by app.

Designed and fabricated in accordance with EN 60335-1, EN 60335-2-43 and EN 55014 (regulations for domestic appliances)

- Standard colour White (RAL 9016), Black (RAL 9005) & Chromed.
- Class II and IP44 Rated
- 220-240V A.C.
- Wall mounted
- Forced function button (BOOST): operation for a specified time
- Large TFT display.
- CR2032 lithium battery for time.

CONTROL OPTIONS

The towel rail is designed to be used in conjunction with the *Tevolve* system and App, providing total control of your heating system from anywhere in the world via the internet. The App is available for both Android and iOS devices and offers the ultimate in control and energy monitoring.



**Search for “Tevolve” on the either the Google Play Store or the Apple App Store.
Scan this QR code to access to the download.**

It is also possible to programme each towel rail individually without the App by using the built in controls and screen. This may be convenient for single heaters however we recommend the Tevolve Gateway to control multiple heaters.

ELECTRICAL POWER SUPPLY

A qualified electrician must carry out the electrical installation of this towel rail. The electrical installation must comply with current regulations. Any claim on the warranty could be invalid if these requirements have not been met.

The towel rail requires a 220-240V, 50Hz power supply.

Connecting wires:

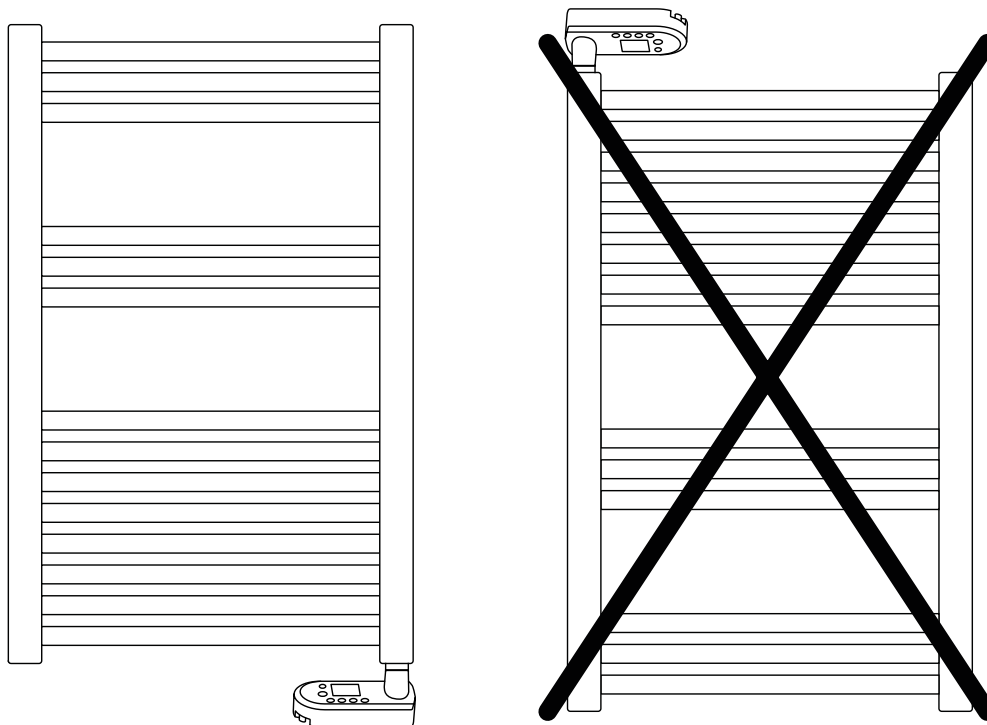
Brown: Live
Blue (or grey): Neutral

NOTE: The towel rail does not require an earth wire.

The connecting wires must be of the appropriate section, in regards to the length of cable, type of cable and power rating of the apparatus.

The apparatus must be connected into a connecting box. According to regulations, the apparatus must be connected to the power supply by means of an all-pole circuit breaker with a contact gap of at least 3mm or by a thermal-magnetic circuit breaker.

ATTENTION!
PLACE ALWAYS IN THE CORRECT POSITION



LOCATION OF THE TOWEL RAIL

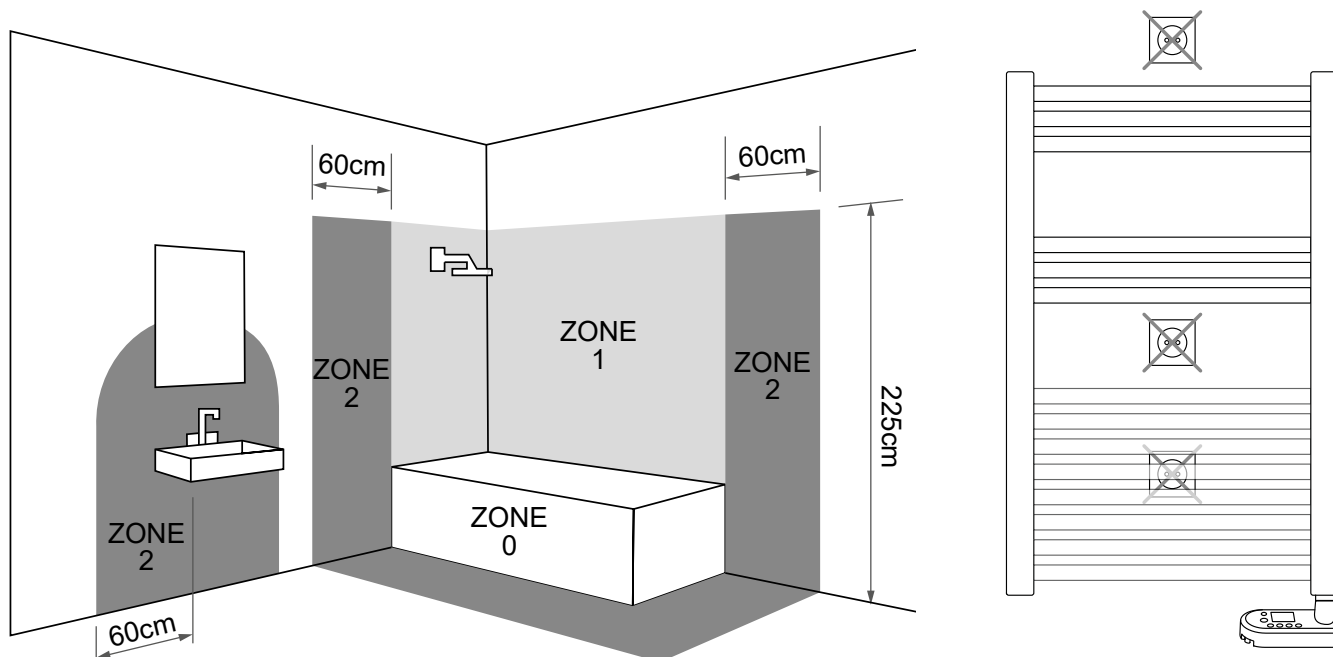
It is essential to mount the towel rail with the control box on the lower right hand side.

To avoid risks this appliance must be installed with the lowest heated rail at least 600mm above the floor.

In bathrooms, the towel rail must never be installed in such a way that the switches and other control devices can be touched by a person in the bathtub or shower.

This product is rated as IP44 and can be located in zone 2 (UK) or out outside zone 2 (IE), the area stretching 60cm outside the perimeter of the bath and to a height of 2.25m from the floor. If you are in doubt please contact a qualified electrician for advice.

The towel rail under no circumstances, should be installed below an electric power point.



COMPONENTS

The components for fastening the towel rail to a wall are supplied in a bag together with the appliance. There are four support assemblies, each consisting of the following components:

- (A) 1 plastic tube $\varnothing 28 \times 65\text{mm}$ + screw M5
- (B) 1 plastic tube $\varnothing 20 \times 55\text{mm}$ with threaded inserts
- (C) 1 screw M6
- (D) 1 plastic retainer (conic 15°)
- (E) 1 plastic cap
- (F) 1 screw $\varnothing 3 \times 10\text{mm}$
- (G) 1 screw $\varnothing 6 \times 50\text{mm}$
- (H) 1 nylon stopper $\varnothing 10\text{mm}$

MOUNTING

The towel rail is fixed to the wall by four support assemblies. Two support assemblies should be positioned between the 2nd and 3rd horizontal tubes from the top and two between the 2nd and 3rd horizontal tubes from the bottom. Supports should be placed 100 mm from each end of the towel rail. As shown in the picture.

STEP 1

First, the 4 supports are placed on the towel rail, take a piece (B), fix the piece (D) with the screw (C) and insert it between two tubes from the front, taking care that the conical part of parts (B) and (D) faces inside the appliance. Repeat this in all four support positions.

STEP 2

Once the brackets are attached to the appliance, check their position and mark the 4 support points on the wall. Drill the holes in the wall and insert the plug (H).

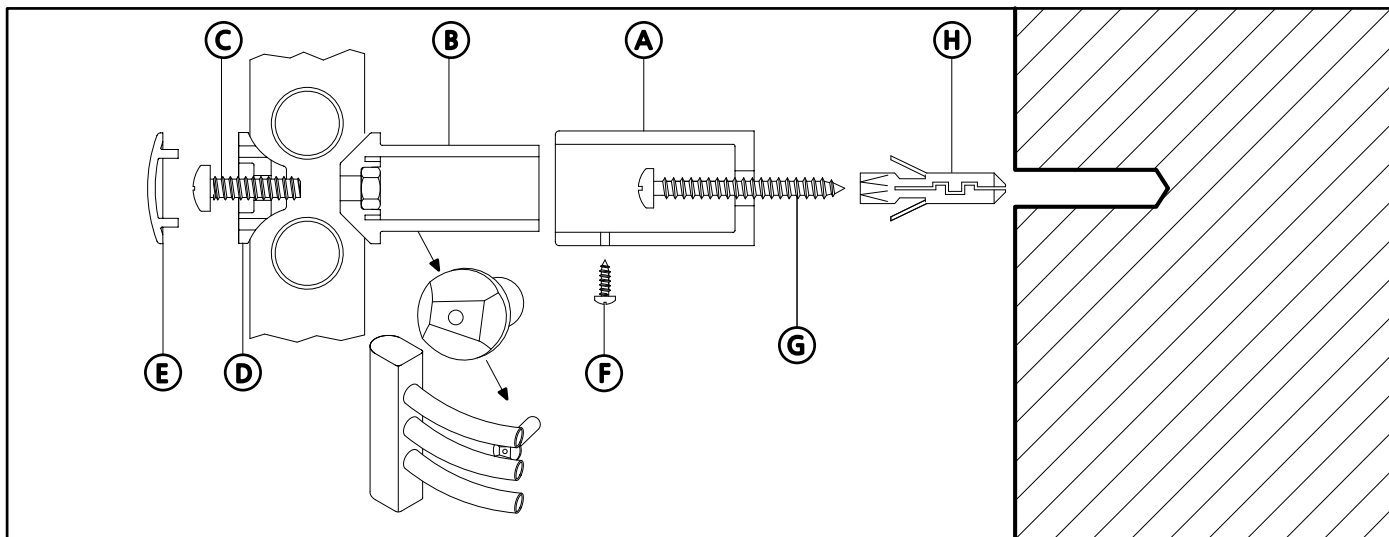
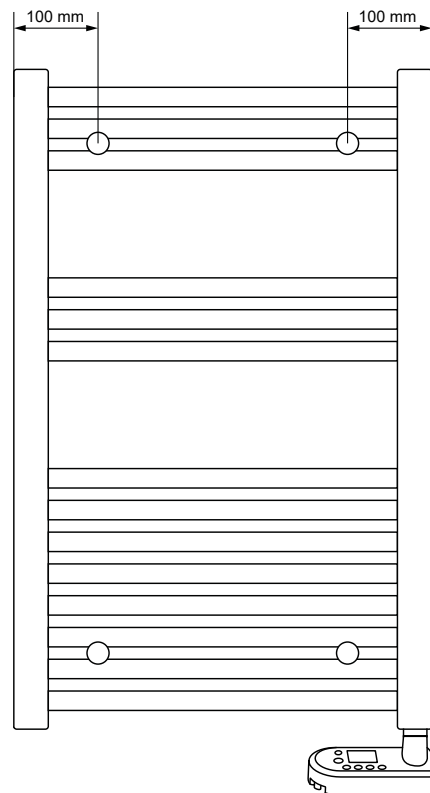
STEP 3

We take part (A), insert the screw (G) and fix it on the wall plug. Insert part (B) into part (A) and fit the screws (F), do not tighten them.

STEP 4

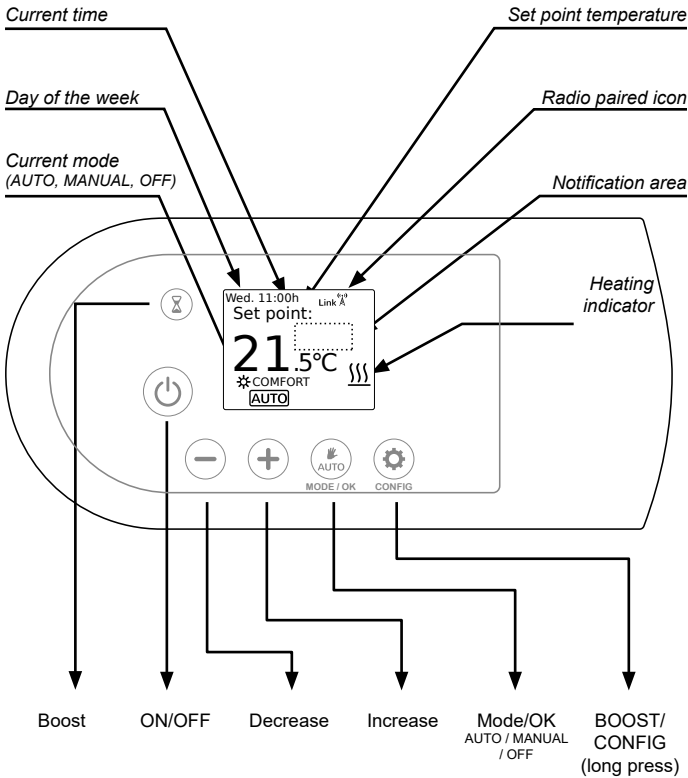
Once all the supports are in place, place the covers (E) on the piece (D).

Check that the towel rail is in a perfectly vertical position and tighten the screws (F).



OPERATING INSTRUCTIONS

The control is based on six buttons and a TFT display.



Towel rail controls

Note: The 4 symbols on the side of the screen will change depending on the menu that the user is accessing.

i The first press of any button will wake up the towel rail any further button presses will activate the function required.

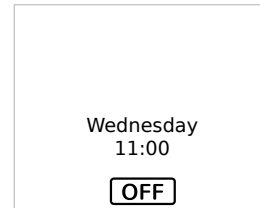
Switching ON:

Once the towel rail has been mounted on the wall and correctly connected to the mains electricity power supply, press the main On/Off button on the left side of the towel rail control.

The screen will show various information and the towel rail is ready to operate.

Switching OFF:

To switch off the towel rail, press the On/Off button on the left side of the towel rail control until the symbol **OFF** appears as shown in the following screen:

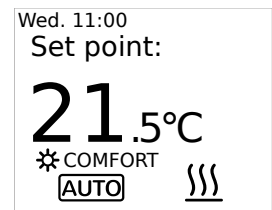
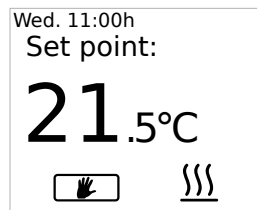


When the towel rail is in OFF mode, it will keep the programs and will continue to communicate with the gateway (if connected) but will not heat.

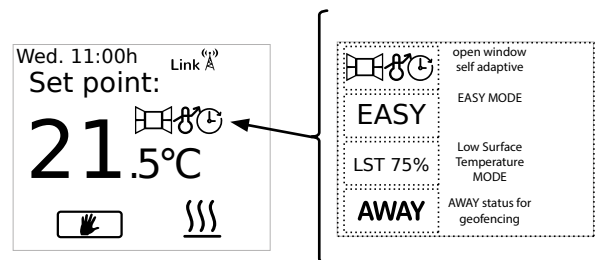
To turn the towel rail back on, press the On/Off button again, it will return to the last selected mode (MANUAL or AUTO).

Operating modes:

To access the different modes, press the MODE button: AUTO mode (**AUTO**) or manual mode (**Hand icon**). You will see the following screens:



In the operating modes, the indicated area can display a message indicating the status of the towel rail. See the following screens:

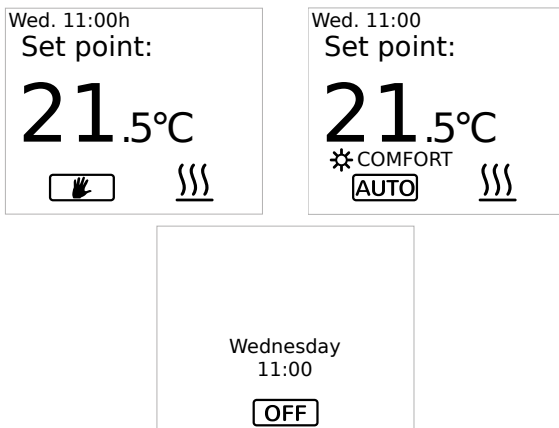


MANUAL PROGRAMMING

To assist with programming the TFT screen is backlit and will stay illuminated for approximately 10 seconds after the last button is pressed. (To change the backlight time, see the section on DISPLAY)

When the towel rail is operational and the room temperature is lower than the set temperature the heating symbol will be shown indicating that the towel rail is producing heat.

The following screens show **OFF**, **AUTO** and **MANUAL** modes. To change between the different modes press **OK/Mode** button and to turn it off the **OFF** button. .



When the towel rail is in **AUTO** mode the temperature can be adjusted by pressing the +/- buttons. This change will remain active until either the next programme change or until midnight when the temperature will revert to the preset value.



When the temperature has been adjusted in AUTO mode a hand will show beside the auto to symbol to show the amended set-point.

To return to AUTO mode press the **OK/Mode** button.

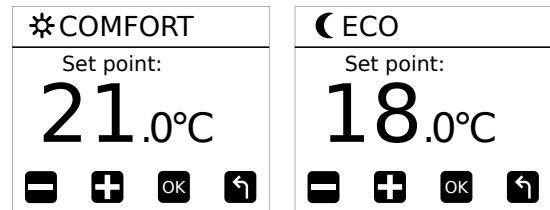
NOTE: To rapidly change the temperature set-point in any mode press and hold the +/- keys.

SET PROGRAM TEMPERATURES

To amend the temperature set points used in the program mode, press and hold the CONFIG button until the following screen appears:



Select either Comfort, Eco or Anti-Frost and press OK to enter the menu.

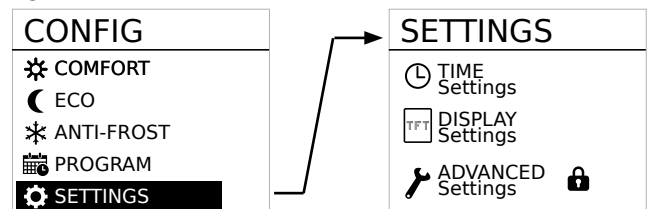


Press the +/- button to change the temperature of each mode then press OK to confirm and return to the main operation screen, repeat the above to set the other program temperature set-points.

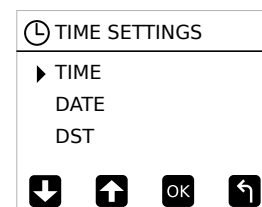
SETTING THE TIME AND DATE

If a towel rail is paired with a Gateway then the local time from the internet is automatically applied to the towel rail.

To set the Clock on an unpaired Towel rail, press and hold the CONFIG button until the CONFIG menu is shown and then select SETTINGS, press OK and then select TIME Settings and press OK again .

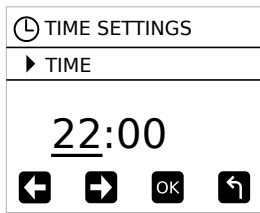


In the TIME menu the Time, Date and Daylight Savings (DST) can be set.



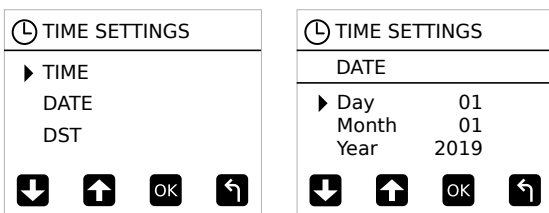
Select TIME and press OK.

The current set time is shown on the display, to change time move the underline to the hours and press OK.



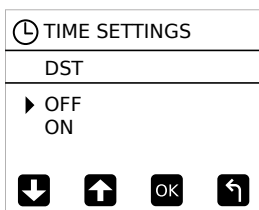
The hours will flash, use the +/- keys to adjust to the correct value and press OK, move to the minutes and repeat to set the correct time. Once complete press the CONFIG button to exit.

To set the Date select the Date menu, press OK and enter the Day, Month and Year.



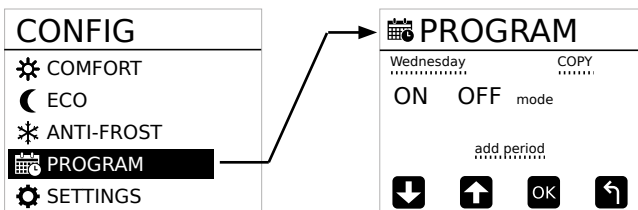
To exit the Date menu, press the CONFIG button.

The Towel rail can automatically adjust the time offset for Daylight savings. To set this option on or off choose ON or OFF in the DST menu.

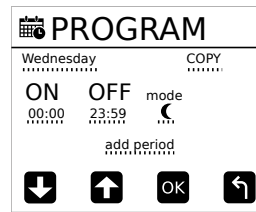


ENTERING A PROGRAM

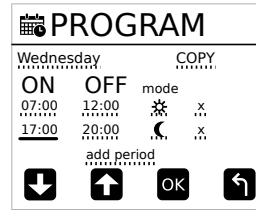
The AUTO mode of the towel rail allows you to run a program designed to accommodate your lifestyle. To enter a new program into the Heater press and hold the CONFIG button until the CONFIG menu appears, then use the +/- buttons to select PROGRAM and press OK.



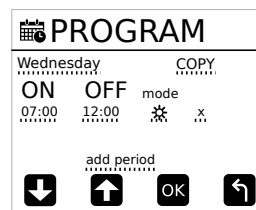
To enter a program into the towel rail first select the day of the week in the upper left corner of the programming screen and press OK, change the day to the day you want to program and press OK.



Once the correct day is selected, select “add period” and press OK. The underline will change to a box around the times that can be changed. Press OK and the ON time will begin to flash.



Change the ON time to the starting time the towel rail should heat (7:00 in our example), press OK and the OFF time starts to flash. Change the OFF time to the end of the heating period required (e.g:12:00).

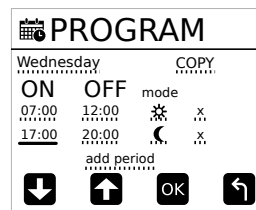


Once the times have been entered, chose the temperature set point required for the heating period; either Comfort ☀ or Economy ☾.

Any time periods outside of Comfort or Economy are automatically set to Anti-Frost *.

Once the set point is chosen choose either “OK” to save the setting or “x” to delete.

Extra heating times can be added by selecting “add period” and repeating the above procedure.



Once the program for the day is complete, it can be copied to other days in the week by selecting COPY from the programming screen.

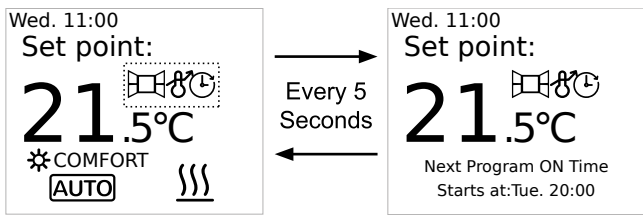


The copy screen will appear and the day that is being copied from will not be available. (Wednesday in the example.)

Select the days to copy to and then move the underline to “OK” on the screen and press the OK button.

The screen will change back to the program menu. To Exit press CONFIG or leave the towel rail and the display will revert to the current running mode.

To make sure your program is running Press the OK/MODE button until **AUTO** is shown at the bottom of the screen.

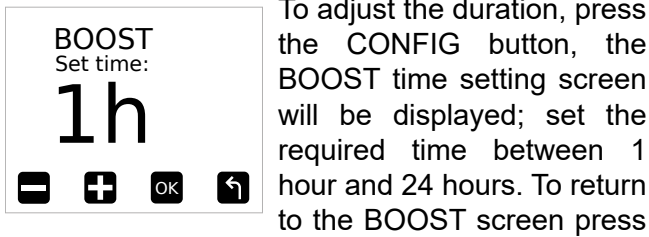


The screen will change between the operation screen and the next time of operation. At any time, the temperature can be changed with the +/- buttons.

BOOST

The towel rail has a Boost mode that allows the user to temporarily override the current operating mode. The Boost button will immediately turn on the towel rail for 1 hour at 2°C warmer than room temperature.

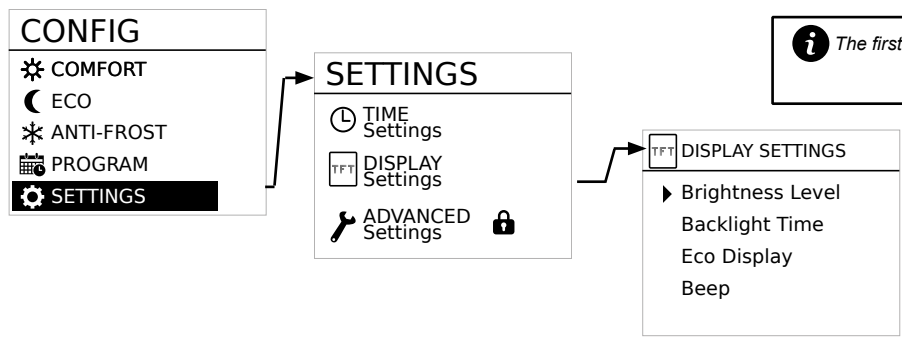
To adjust the BOOST temperature, use the +/- buttons.



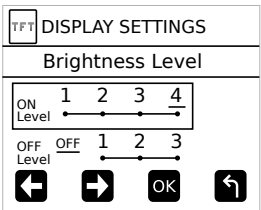
To adjust the duration, press the CONFIG button, the BOOST time setting screen will be displayed; set the required time between 1 hour and 24 hours. To return to the BOOST screen press the CONFIG button. You can quickly adjust the duration with the BOOST button . Each press will increase the duration of BOOST mode by 1h. To return to the previous mode and cancel the Boost mode, press the OK button.

DISPLAY SETTINGS

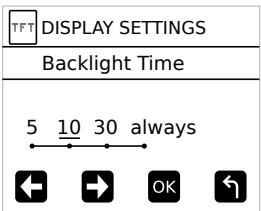
The DISPLAY menu on the towel rail allows the user to customise how the towel rail looks whilst the screen is on and off, it also allows the button sound to be controlled.



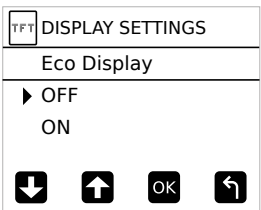
To open the DISPLAY menu, press and hold CONFIG until the menu appears, select SETTINGS and press OK, finally select DISPLAY and press OK.



To Adjust the brightness of the screen, select Brightness level and press OK. The ON levels are between 1=25%, 2=50%, 3=75% & 4=100%. The OFF levels are Off, 1=3%, 2=10% and 3=20%. Chose the level required and press OK.

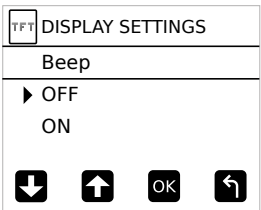


To set the time the screen stays on for after the last button press, select Backlight Time from the DISPLAY menu and chose how many seconds are required. The factory default is 10s.



The towel rail features a “responsible consumption” Eco Display mode, this mode will show a coloured bar across the bottom of the screen to encourage the user to set an economical temperature.

This feature is turned on and off in the ECO DISPLAY menu.



To de-activate the beep when each key is pressed enter the BEEP menu and select either On or Off.

The first press of any button will wake up the towel rail any further button presses will activate the function required.

PROGRAMMING WITH APP

To programme a towel rail with a *Tevo* Gateway the heater must be paired to the Gateway. In order to complete this operation the pairing/discovery mode of the Gateway should be activated. To complete this process, press the Link button on the Gateway for 2 seconds. (*Details of this procedure can be found in the Tevo Gateway instruction manual*).

Once this is done, press and hold the **OK** button on the for 3 seconds while the towel rail is in one of the main modes (OFF, AUTO, MANUAL).




Once the pairing process completes the display will show “Link” with an antenna and then display the same information in the upper right corner of the screen.

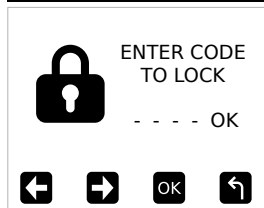
The towel rail is now ready to accept programme instructions from the Gateway/App.

A Tevo account is required to use the App, complete the activation process at:

<http://tevo.termoweb.net>

If the towel rail has been linked to the Gateway and for some reason communication is lost, the Link icon disappears and the antenna  starts flashing in red alternating with Link text.

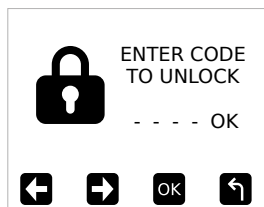
KEYPAD LOCKING (ANTI-TAMPER)



The keypad can be locked to prevent any unauthorised person (children, people in public places, nurseries, offices, hotels etc.) altering the settings of the towel rail.



A Password is required to lock the keypad (0 0 0 0 by default), See Password Settings Chapter for further details on changing passwords.



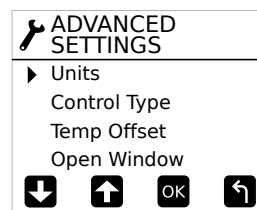
To Lock the towel rail Press and hold the + and – buttons until the lock screen appears. Enter the password on the screen and press OK.

The screen will change to show the Lock screen and any button presses will be ignored and the locked screen displayed.

To unlock the keypad press and hold the + and - until the unlock screen appears. Enter the password and press OK. If the incorrect password is entered “INVALID CODE” will be displayed.

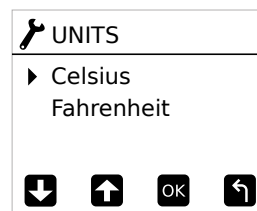
When the keypad is locked the towel rail will still receive communications from the Gateway.

ADVANCED SETTINGS

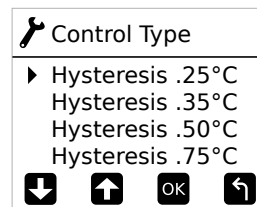


The Advanced settings menu is password protected to prevent any inadvertent changes to the factory settings.

To access the Advanced settings, enter the password (default 0 0 0 0). It is strongly recommended to set a custom password once installation is complete. (For more information see the password section).

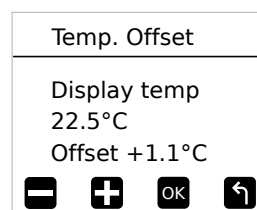


The units menu allows the main temperature units of the towel rail to be chosen between Celsius (°C) and Fahrenheit (°F).




The Control Type menu allows two types of control of the temperature control setting. PID will calculate the best switching point for the heater depending on previous room readings.

Hysteresis is the difference between the detected temperature and the set-point required before the heater will come on. It is not recommended to change these settings.



The temperature offset menu allows the display temperature to be adjusted by ± 3°C. Adjusting this set-point will affect the operation of the thermostat set-points, changing this setting is only recommended if the displayed temperature is noticeably different from another sensor in the space.

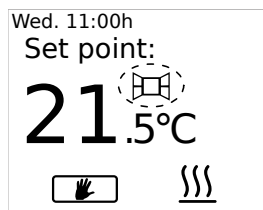
 The first press of any button will wake up the towel rail any further button presses will activate the function required.



The Open window setting will turn the heating of the towel rail off if the unit detects a rapid drop in temperature over a short period of time.

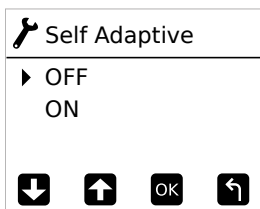
To re-activate the heating if the open window function has activated press any button the towel rail.

If the temperature rises above the minimum detected temperature then the heater



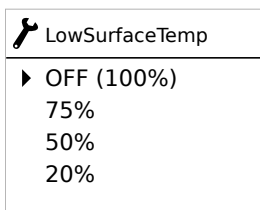
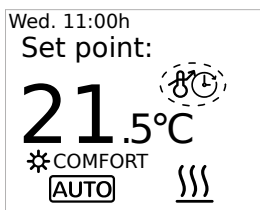
will reactivate and turn the open window function off (i.e. the window was closed).

If this function comes on frequently e.g. in an area where there is an external doorway, it is recommended to turn the open window function off.



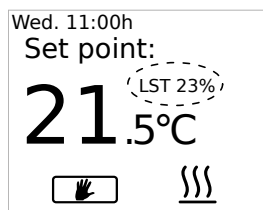
The Self Adaptive setting will allow the towel rail to calculate the optimum time to start the heating cycle **when running in Program mode.**

If this setting is turned on it will be shown in the Notification area and the heating will come on before the programmed starting time so that the room is at the correct temperature at the programmed starting time.

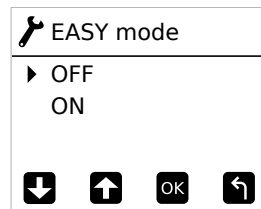


The Low Surface Temperature (LST) menu will allow the output of the heater to be limited to a lower setting to prevent the surface of the heater becoming too hot.

It is recommended that if the LST function is activated then the towel rail should be locked with a non-standard password after activation to prevent the function being turned off.



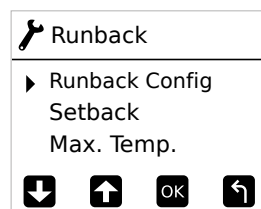
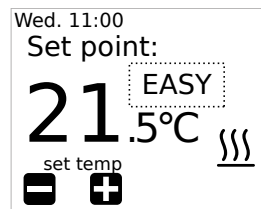
(See Password Section for details on changing the factory default password)



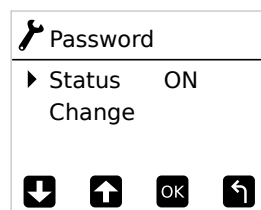
EASY Mode is a simple mode of operation where by only the + and – buttons on the towel rail operate to increase or decrease the temperature. The OK button is de-activated.

When running in Easy mode the screen will show EASY in the notification area to let the user know that the mode is active.

To exit EASY mode press and hold the CONFIG button for 10 seconds, then select “off”.



Runback: See Runback Section on page 13



Password: See Password Section on page 13



Resetting the towel rail will return all settings to the factory defaults and will also delete any ‘pairing’ with a Gateway.

To activate the RESET feature select with arrow buttons OK, and press the OK button.

i The first press of any button will wake up the towel rail any further button presses will activate the function required.

PASSWORD

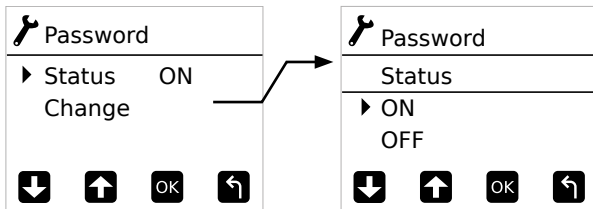
The Password Function of the towel rail serves a number of functions; Keylock, Advanced menu access and also Runback access when the Runback is activated. The Default password from the factory is four zero's (0 0 0 0), however it is **strongly recommended** that once installation is complete that an alternative code is set.

To access the password function enter the ADVANCED SETTINGS menu (see above) and then select PASSWORD.

The password can be turned on or off and changed.

To turn the password on or off, select Status and press OK.

Select either "ON" or "OFF" and press OK.

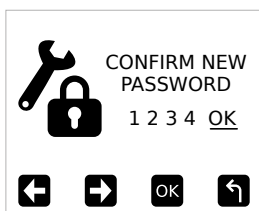
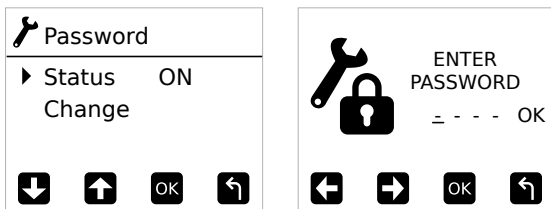


If you are reactivating the password then the Enter New password screen is shown (The password will always default back to 0 0 0 0).

If the password is turned off, the Keylock, Advanced Settings menu and Runback controls are accessible without entering a password.

To Change the password code when the password is active select Change from the password screen and press OK.

Enter and confirm the new password and press OK.



RUNBACK MODE

The towel rail comes with a Runback mode for use when the heater will be installed in areas where restricted user control is required.

When Runback Mode is active it allows the user to set the towel rail to run for a specific pre-set amount of time and temperature. It is also possible to set a maximum temperature (Max Temp) above the Runback setting to allow the user to increase the temperature within the limits allowed.

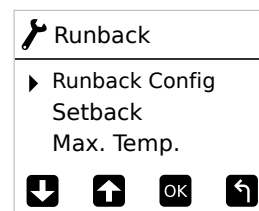
Before activating Runback mode it is strongly recommended that an alternative password is set and activated and the comfort mode temperature set-point is set to 35°C. When the password is activated the user will have no access to any towel rail settings without the password.

NOTE: Any display settings will be used in RUNBACK mode, eg. Backlight time and intensity, Eco mode etc. These should be adjusted prior to setting Runback to Active.

After the Runback time period ends the room temperature will return to off (7°C minimum) until the Runback is restarted.

It is also possible to set a minimum temperature to be maintained (Setback) outside of the Runback mode; when setback mode is activated the room temperature will only fall as low as the Setback temp and be maintained at this point until Runback is restarted.

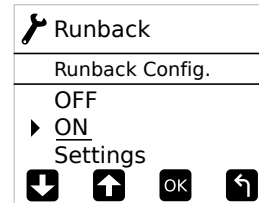
ACTIVATING RUNBACK MODE



Runback mode is activated from the Advanced settings menu.

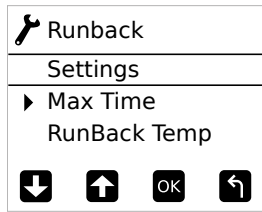
The main Runback screen has 3 options:

- Runback Config
- Setback Config
- Max Temp

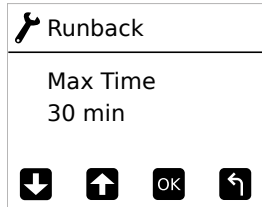


Set Runback to ON to activate the mode.

Note: The Runback settings menu is not available unless the Runback mode has been turned on.

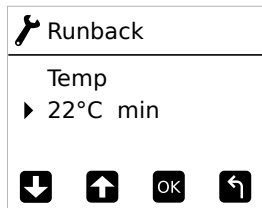


The Default time for Runback to operate is 30 minutes, this can be increased in ½ hour sections up to 8 hours (480 mins) by using the + & - and OK.



0 → 30 → 60 → 90 → 120 → 150 → 180 → 210 → 240 → 270 → 300 → 330 → 360 → 390 → 420 → 450 → 480 → 0

The time can be limited to any of the above values, when the user activates the Runback timer, they can choose any of the times up to the maximum set on installation. After the Runback has expired the next activation will start at the previous time selected. i.e. If the previous setting was 60min, the next activation will start at 60min.

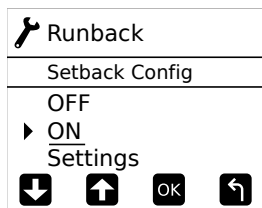


The temperature that the towel rail runs at when Runback is activated is set in the Runback Temp menu. Use +/- to set the temperature and press OK.

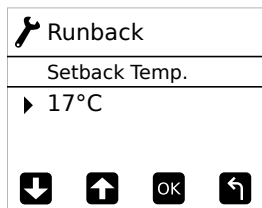


Please note that the Runback temperature cannot be set higher than the Comfort setting in the main menu.

SETBACK



The setback mode can be used to limit the temperature that the area where the heater is installed can fall to outside of the Runback operation.

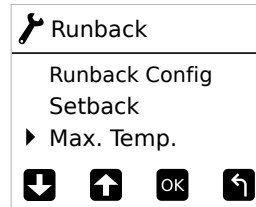


This temperature can be set between 7°C (minimum) and 0.5°C less than the Runback temperature set-point.

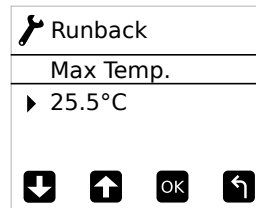


When Setback is operational, the screen will show "Setback" and the set-point.

MAX TEMPERATURE

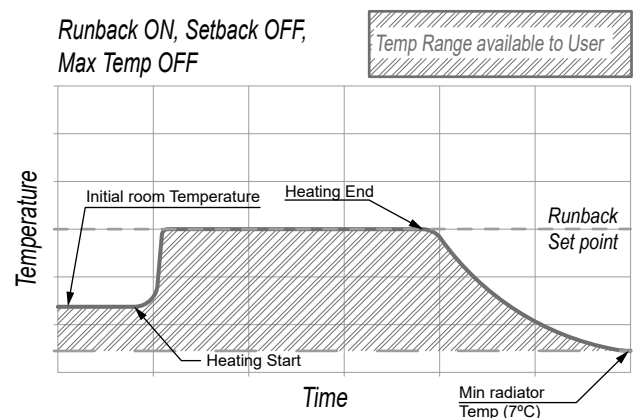


The Max Temperature setting allows the installer to set a temperature higher than the Runback temperature set-point to give the user some leeway in the temperature of the room. Typically this is set 1-2°C higher than the Runback setting.



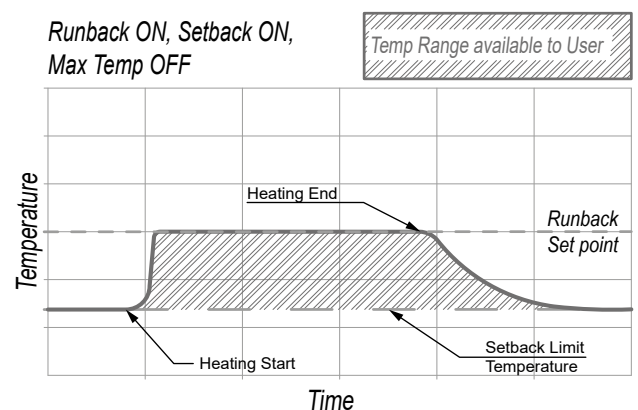
Both the Setback and Max temp are set with the +/- buttons from their respective menus.

The graphs below show typical scenarios for each of the settings.



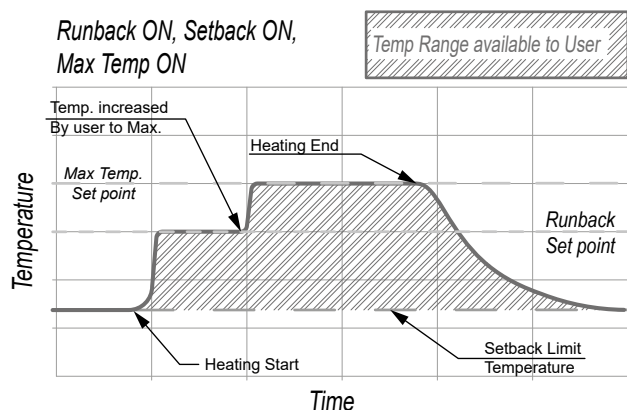
When Setback and Max temp is OFF, the user has a choice between the minimum towel rail temperature of 7°C and the Runback temp setting.

Outside of the Runback period the temperature will fall as low as 7°C if the towel rail is not re-activated.



When Runback and Setback are activated then the user has a limited choice of temperature between the Setback setting and the Runback setting.

Outside of the Runback period the temperature will fall to the Setback temperature if the towel rail is not re-activated. (Building Fabric Protection)



When all 3 settings are activated then the user has a choice between Setback as a minimum and the Max temp setting as a maximum.

The Towel rail will always come on at the Runback set point.

In the example above the user has activated Runback and then increased the temperature to the Max Temp set point after a time.

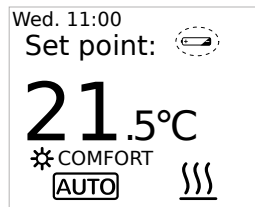
ERROR CODES

The Towel rail continuously checks to ensure that it is working correctly all the time, however in some cases the towel rail may display an Error code on the screen.

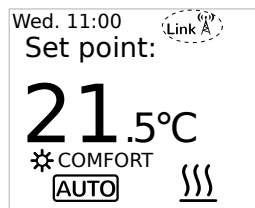
Below you will find each code and a short description on the cause of each issue.

- OC Disconnected or Open circuit temperature sensor.
- SC Damaged or Short circuit temperature sensor.

TROUBLESHOOTING



If the power of the Lithium battery drops, in the screen, a small icon will remind the user that the battery is flat.



When a towel rail has been paired with a Gateway, the text "Link" and an antenna with flashing waves appears on the top right of the screen.

If the towel rail is paired with an internet connected Gateway the time and date are always updated when the towel rail reconnects to the Gateway.



When the Gateway is not powered or it is too far away from towel rail, the Link text alternates with a red antenna without waves to alert the user that the towel rail cannot communicate with the Gateway.

If a towel rail is paired with a Gateway, and the internet connection is lost the heating system is not accessible from the app.

However the running schedule remains in the towel rail memory and continues with the last user setting once the lithium battery is not flat.

The Lithium battery (CR2032) life is around 5 years from date of manufacture, this life can be decreased depending storage conditions.

To change the battery contact your installer or an electrician.

DEFAULT VALUES

Default mode: OFF

Type of control: PID

Temperature offset: 0°C

Open window detection: Disabled

Adaptive Start: Disabled

Programming in one hour intervals,

All programmed hours in anti frost mode

Set point temperatures:

- Anti-freeze 7°C
- Eco 18°C
- Comfort 21°C
- Manual temperature: 21°C
- Boost mode temperature: 21°C
- Boost mode time: 1 hour

Low Surface Temperature: Disabled

Password status: Activated

Password: 0000

Units: °C

Keyboard: Unlocked

Easy mode: Disabled

Runback mode: Disabled

Setback: Disabled

Runback temperatures and defaults:

- Antifreeze: 7°C
- Eco: 18°C
- Comfort: 21°C
- Max. Temperature of Runback: 21°C
- Max time of Runback: 30. Minutes

Screen brightness on: Max (4)

Screen brightness off: Min (OFF)

Screen time on: Min (5s)

Beep: Disabled

EcoDisplay: Disabled

DST: Disabled

Default date: 01-01-2019 (Tuesday)

ECODESIGN TABLE

Models	RFTR780WH	RFTR920WH	RFTR780BL	RFTR920BL	RFTR780CR	RFTR920CR
Heat output						
Nominal heat output (P_{nom})	0.300 W	0.450 W	0.300 W	0.450 W	0.150 W	0.250 W
Maximum continuous heat output ($P_{max,c}$)	0.300 W	0.450 W	0.300 W	0.450 W	0.150 W	0.250 W
Auxiliary electricity consumption						
In OFF mode (P_o)	---	---	---	---	---	---
In standby mode (P_{sm})	0.50 W	0.50 W	0.50 W	0.50 W	0.50 W	0.50 W
In idle mode (P_{idle})	0.50 W	0.50 W	0.50 W	0.50 W	0.50 W	0.50 W
In network standby (P_{nsm})	0.70 W	0.70 W	0.70 W	0.70 W	0.70 W	0.70 W
Standby mode with display of information or status	yes	yes	yes	yes	yes	yes
Seasonal space heating energy efficiency in active mode ($\eta_{s,on}$)	96,0%	96,0%	96,0%	96,0%	96,0%	96,0%
Type of heat output/room temperature control:	Electronic room temperature control plus week timer					
Other control options:	With open window detection With distance control option With adaptive start control, Working time limitation					
ATC Electrical and Mechanical						
Head Office & Showrooms						
ATC House, Broomhill Drive, Tallaght, D24 EF99, Ireland.						
IRL Tel: +353 (0)1 4625111						
UK Tel: +44 (0)203 5649164						
Fax: +353 (1) 452 0887						
Email: sales@atc.ie						

MAINTENANCE AND CARE

ATC towel rails require very little maintenance.

The surfaces of the towel rail must not be cleaned with an abrasive product or those containing granular substances.

We recommend regular cleaning with PH neutral products.

In order to clean the towel rail, it is recommended that the electric power is switched off.

GUARANTEE

Your appliance is guaranteed for 2 years from the date of purchase – during this period we will repair or exchange, at our discretion, any faulty or defective parts providing the appliance has been used in accordance with the operating & installation instructions and has not been misused or mistreated in any way.

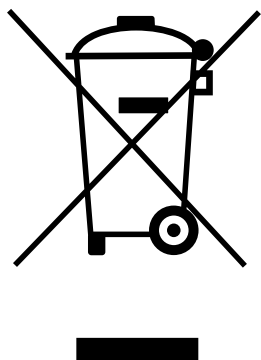
Any un-authorized repair or attempted repair will invalidate the guarantee. You may be asked to return the product to our workshop for inspection to establish whether the fault is covered under the guarantee. Transportation charges are not covered under the guarantee.

The guarantee is valid in the UK and Ireland only.

This guarantee is additional to your statutory rights.

In the unlikely event of a problem with your appliance please contact your supplier.

CORRECT DISPOSAL OF THIS PRODUCT



(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed of with other household wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Head Office & Energy Showrooms:

ATC House, Broomhill Drive,
Tallaght, D24 EF99
Ireland.
Tel: 353 (1) 467 8301

UK Tel: 0044 (0)203 5649164

Email: sales@atc.ie

atc
Smart