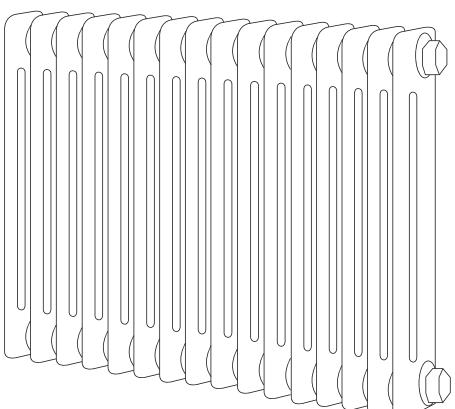
INSTRUCTION MANUAL

Traditional Radiator



Please note: Radiator shown for illustration purposes only

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FUI0146_V2_250425

SAFETY INSTRUCTIONS

- Read ALL the instructions before using this product.
- Manufactured to BS EN 442-1 Standard.
- Check that the radiator and all supplied accessories are present and intact.
- Do not use the radiator near flammable or explosive materials.
- Please ensure that the product is checked for damage prior to installation.
- The pipework must be flushed out to remove any debris which can affect the function of this product.
- A corrosion inhibitor should be used in your installation.
- Cleaning and user maintenance shall not be carried out by children without supervision.
- **CAUTION:** Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.

PARTS

Wall Bracket x 4/6	Washer x 2	Wall Plug x 8/12	Wall Screw x 8/12

CARE & CLEANING

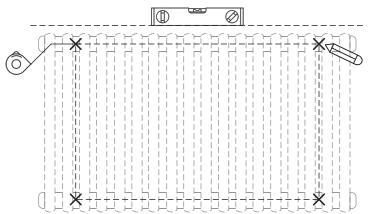
- This radiator is made from steel with a painted finish. To maintain the surface of your product, wipe with a clean, damp cloth and wipe dry.
- **DO NOT** use abrasive cleaning agents or materials which can strip and scratch the surface; the use of these agents or materials can invalidate your guarantee.
- It is recommended to wipe and dry on a regular basis.

INSTALLATION

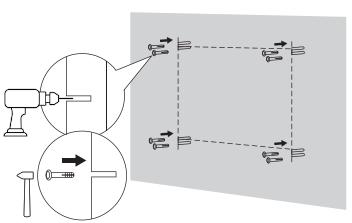
Please note: Before starting any installation, turn off the water supply.

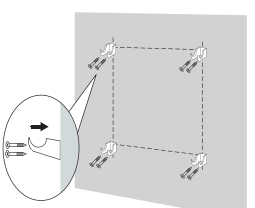
Please note: Before commencing any installation, the desired location should be checked before drilling, that no pipes or wires could be damaged.

1. Mark the position of the wall hanging brackets (on the wall) on either side. Use a spirit level to ensure these are aligned.

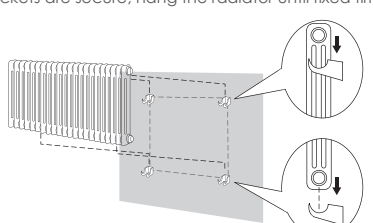


2. Using a drill and 8mm drill bit, drill into the marked positions then insert the wall plugs and tap flush to the finished wall surface. Position the wall bracket and screw into place.





3. Once all the brackets are secure, hang the radiator until fixed firmly into place.



Installing the Radiator Heating Element

SAFETY INFORMATION

- Installation must be carried out by a suitably competent person.
- Read manual supplied with radiator for wall mounting installation.
- Read manual supplied with heating element for operation.
- Ensure Vertical Radiators are upside down and upright before installing the element.
- Ensure Horizontal Radiators are on its side and upright before installing the element.
- Gloves must be worn during installation process.
- Radiators are pre-filled with 85% deionised water and 15% glycol.
- **DO NOT** twist the heating element control panel, use a spanner to install and tighten.
- The radiator heating element is supplied with a mains plug.
- If being installed in a bathroom, the installation must be carried out by a qualified electrician and conform to local building regulations.

Please note: Radiators shown for illustration purposes only

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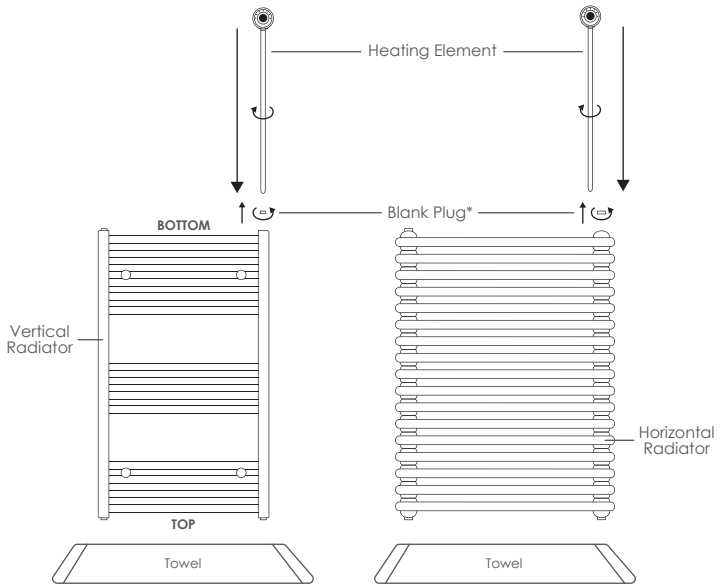
INSTALLATION

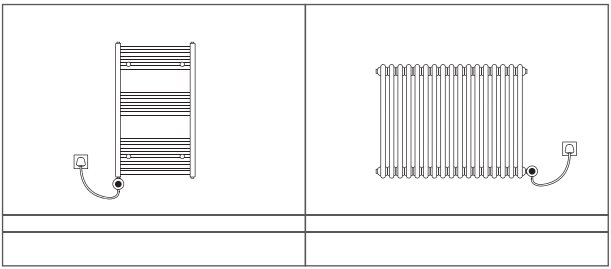


CAUTION!	Ensure the Vertical Radiator is **UPSIDE DOWN** and **UPRIGHT STANDING** before installing the element.	Ensure the Horizontal Radiator is on its **SIDE** and **UPRIGHT STANDING** before installing the element.

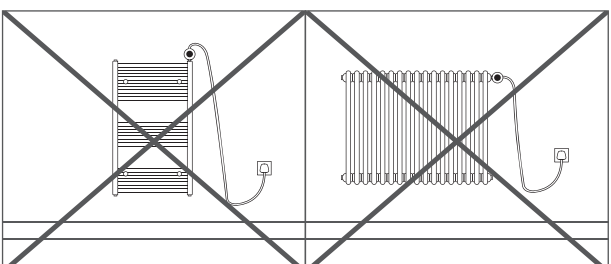
1. Place towel down on a flat surface below the radiator (spillage may occur).
2. Stand radiator upright and remove the blank plug* as shown above.
3. Insert element as shown above. **DO NOT** twist the control panel, use a spanner to install and tighten.
4. Wipe away any spillage that may occur during element installation with a damp cloth.
5. Proceed with wall mounting installation (seperate manual supplied).
6. See heating element manual for operation (seperate manual supplied).

*Left or right blank plug can be removed depending on location of electrical point

CORRECT INSTALLATION

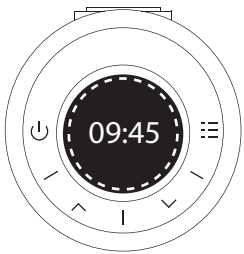


INCORRECT INSTALLATION



INSTRUCTION MANUAL

Radiator Heating Element



This manual is for the following models:

FLS - OWS03 Series
(FLS-OWS03-600W, FLS-OWS03-1200W)

www.firedupcorporation.com/manual

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SAFETY INSTRUCTIONS

- Read ALL the instructions before using this product.
- Check that the heater and all supplied accessories are present and intact.
- Always check your mains supply is the same as that indicated on the product before connecting.
- Always disconnect the heater from the electrical supply before carrying out cleaning or maintenance. To disconnect the heater, power off the device then remove plug from the outlet.
- Always unplug the heater if it is going to be out of use for long periods of time.
- Do not use the heater near flammable or explosive materials.
- Do not use the heater if the casing, wire or plug are damaged.
- Avoid the use of an extension cord which may overheat and cause risk of fire. If an extension cord is necessary, it must be rated above the maximum rated power of the appliance. Care must be taken to arrange the cord so that it cannot be pulled or be tripped over.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

LCD DISPLAY & CONTROL PANEL

ICONS

	Comfort mode	88:88	Time/temperature display
	Eco mode		Heating
	Anti-Frost mode		Child lock
	Timer mode		Wi-Fi icon
	Boost mode		Open window detection
	On/Off button		Down button
	Mode button		Up button

OPERATION

Press the Standby button ⏻ to turn the device on or off.
The device can also be controlled using the Wi-Fi functionality.

The symbol will appear when heating is active, and disappear when heating is inactive.

Selecting Different Modes

When the device is on, press ☰ to select the desired mode.
The available modes are Comfort, Eco, Anti-frost, and Program.

In Program, the heating mode will automatically be determined by the selected program according to the current time and weekday (example: comfort mode at 18:00 in P1). The heating mode and timings can be customised in each profile.

Comfort Mode ☼

Comfort mode is intended to be used when you are at home and need heating.

The default comfort temperature is 19°C. This can be adjusted within a range of 7-30°C, using the ∨ and ∧ buttons.

The ⩙ symbol will appear when heating is active, and disappear when heating is inactive.

Eco Mode ☽

Eco mode is intended to be used when heating is required, but at a reduced cost or intensity.

The default eco temperature is 15.5°C. This can be adjusted within a range of 7-30°C, using the ∨ and ∧ buttons. The eco temperature cannot be set higher than the selected comfort temperature.

The ⩙ symbol will appear when heating is active, and disappear when heating is inactive.

Anti-frost Mode ❄

Anti-frost mode is intended to be used when heating is not required, but the ambient temperature is low, to protect the radiator.

The set anti-frost temperature is 7°C. This cannot be adjusted.

The ⩙ symbol will appear when heating is active, and disappear when heating is inactive.

Setting the Time and Using Program Mode

When the device is first used, the time will flash as 00:00 and must be set.

To do so, select Program mode and then hold the ☰ button for 3 seconds.

The ∧ and ∨ buttons can then be used to adjust the current hour. Once the hour is set, press the ☰ button again to adjust the current minute, and again to select the current day of the week.

Once the current time and day have been set, each program (P1 - P7) can be adjusted.

To do so, use the ☰ button to select each mode and then use the ∧ and ∨ buttons to apply the selected mode to the desired hours of the day.

For example, select anti-frost and press the ∧ button 7 times to enable anti-frost until 07:00, then press the ☰ button to switch to comfort mode and press the ∧ button 2 times to enable heating from 07:00 - 09:00.

Once the selected program has been set up as desired, hold the ☰ button for 3 seconds to select the next program.

To enable timer mode from standby, press the ☰ button until the ◷ icon appears.

Child Lock

Child Lock can be used to prevent accidental button presses.

To enable/disable Child Lock, the device must be powered on.

To enable Child Lock, hold down the ∧ and ∨ buttons simultaneously for 3 seconds. A 🔒 symbol will appear on the screen and all other buttons will be disabled.

To disable Child Lock, hold down the ∧ and ∨ buttons simultaneously for 3 seconds. The 🔒 symbol will disappear.

NOTE: The Child Lock will not lock the ⏻ button.

On-Device Settings

Several settings can be controlled via the on-device settings menu.

To access the on-device settings menu, hold the ∧ button for 5 seconds while the device is off.

There are three settings that can be changed in this menu:

F0 - Temperature Correction
F1 - Open Window Detection
F2 - Wi-Fi Functionality.

Press the ☰ button to cycle through each setting, and once again to exit the settings menu.

Temperature Correction

Temperature correction can be used to offset the measured temperature by up to a 5°C increase or decrease, in increments of 1°C.

To adjust temperature correction, select mode F0 in the on-device settings (see: "On-Device Settings") and use the ∧ and ∨ buttons to increase or decrease the temperature.

Open Window Detection

When open window detection is enabled, the device will disable heating and enable anti-frost if it detects a drop of 2°C to the ambient temperature within any 5 minute period.

By default, heating will be re-enabled after 1 hour. If the temperature continues to drop, it will be disabled again.

To enable or adjust open window detection, select mode F1 in the on-device settings (see: "On-Device Settings") and use the ∧ and ∨ buttons to cycle through 'oF', '60', and '90'.

oF - Off / Disabled
60 - Disables heating for 60 minutes if an open window is detected
90 - Disabled heating for 90 minutes if an open window is detected.

Wi-Fi Functionality

The Wi-Fi / app control functionality of the device can be enabled or disabled.

To enable or disable Wi-Fi functionality, select mode F2 in the on-device settings (see: "On-Device Settings") and use the ∧ and ∨ buttons to toggle the function on/off.

Default Settings

The device's default settings can be restored by holding the ⏻ button for 8 seconds while in standby mode.

The following default parameters will be restored:

Comfort Mode Temperature - 19°C
Eco Mode Temperature - 15.5°C

Time - 00:00
P1 - P7 - Eco Mode

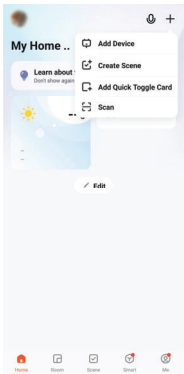
F0 (Temperature Correction) - -2
F1 (Open Window Detection) oF (off)
F2 (Wi-Fi Functionality) - On.

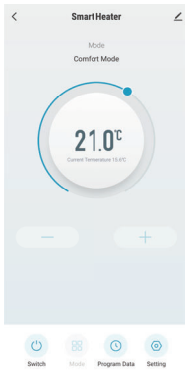
Wi-Fi Connection

- This product comes with a Wi-Fi function. You can download the Tuya Smart app from the Google Play Store or Apple App Store using the QR code below and register an account.

- Once registration is complete, you can enable pairing mode on the device by holding the button down for 3 seconds while it is turned off. A 180 second countdown will display.
- In the Tuya Smart app, press **+** in the top right to add device, or press "Add Device."
- Follow the instructions shown on the app to connect your device.
- You can now use the Tuya Smart app on your phone to control the device.

NOTE: If pairing mode does not initiate, ensure Wi-Fi mode is enabled in the on-device settings (see: On-Device Settings).





TROUBLESHOOTING

PROBLEM	SOLUTION
The appliance does not heat	1. Ensure that Comfort or Eco are selected and the set temperature is higher than the ambient temperature. 2. Close any open windows or disable Open Window Detection.

CARE & CLEANING

1. Before cleaning, switch off the device.
2. Use a damp cloth to clean the housing of the device.
3. Never immerse the device in water or allow water to enter the device.

SPECIFICATION

Supply Voltage	-	230V / 50Hz (600-1200W)
Class	-	I
IP	-	IPX4

TECHNICAL PARAMETERS

Model Number: FLS-ows03-600W, FLS-ows-03-1200W

Item	Symbol	Value, 600W	Value, 1200W
Ambient Temperature	**°C**	22.6	
Relative Humidity	**%**	41.3	
Test Voltage/ Frequency	**V/Hz**	AC 230V, 50HZ	
Rms Input Voltage	**V**	AC 230.8V	
Total Harmonic Distortion (THD)	**V%**	0.270	0.266
Total Harmonic Distortion (THD)	**A%**	--	
True Power Factor	/	0.2785	0.2790
Rms Standby Mode Power	**W**	0.691	0.686
Rms Off Mode Power	**W**	0.691	0.686
Rms Other Condition Mode Power	**W**	--	
Maximum Power Consumption in 'standby mode' or 'off mode' (effective date: Jan,7. 2013)	**W**	1.0	
Networked Equipment	/	/	
Rms Networked Standby Mode Power for Networked Equipment	**W**	**N/A**	
Maximum Power Consumption in 'networked standby mode'	**W**	**N/A**	

CONFORMITY WITH DIRECTIVES

AFFIX RECEIPT OR PROOF OF PURCHASE HERE

Conforms with relevant European Directives

ENVIRONMENTAL PROTECTION

- (WEEE) Waste Electrical and Electronic Equipment

  Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

GUARANTEE

For your convenience, you are not required to complete a form and return it to us in order to validate your guarantee. However, please ensure that you retain your receipt which will act as both proof of purchase and a guarantee validation document. **We recommend that you attach your receipt to this documentation.**

Your product carries a 12 month guarantee from the date of original purchase (or as otherwise provided in writing at point of purchase). If your product fails to operate to its specification, due to faulty workmanship or materials during the guarantee period, we will either repair or replace the product. We will use our discretion to determine whether to offer a repair or provide a replacement. The product will not be covered by the guarantee if it has been misused, transformed, modified or altered in any way.

If your product fails within the guarantee period please ensure that you have all necessary documentation available including proof or purchase (receipt or invoice with serial number, location and date of purchase) in addition to all original undamaged packaging and leaflets etc. It is strongly recommended that you inspect your product carefully before it is used or installed. For full details of your product you should refer to the instruction manual which accompanies the product. You are strongly advised to read this manual carefully in its entirety and to retain it for future reference.

This product guarantee does not affect your statutory rights.

CUSTOMER HELPLINE

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