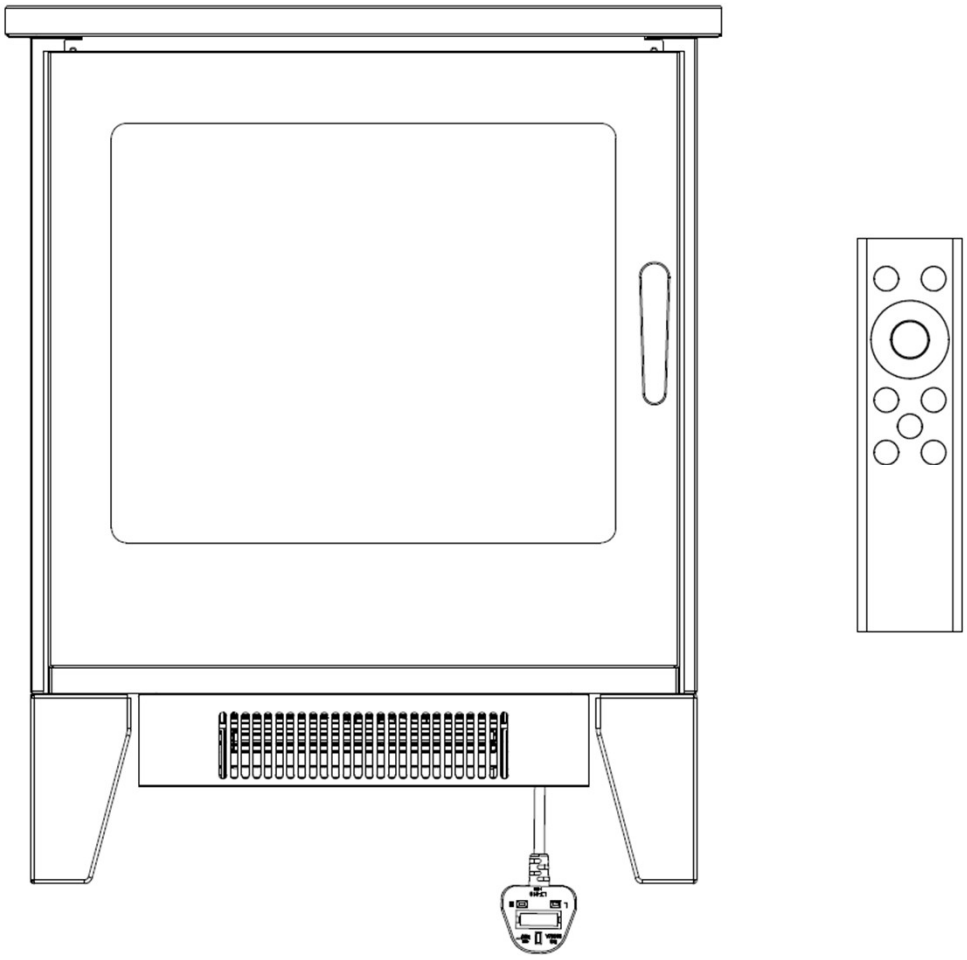
bemodern
FIRES I FIREPLACES

Instructions For Installation & Operation

Model: 4453 – 3 Sided Steel Stove



Electric Stove with Remote Control

Read these instructions thoroughly before use and keep for future reference.

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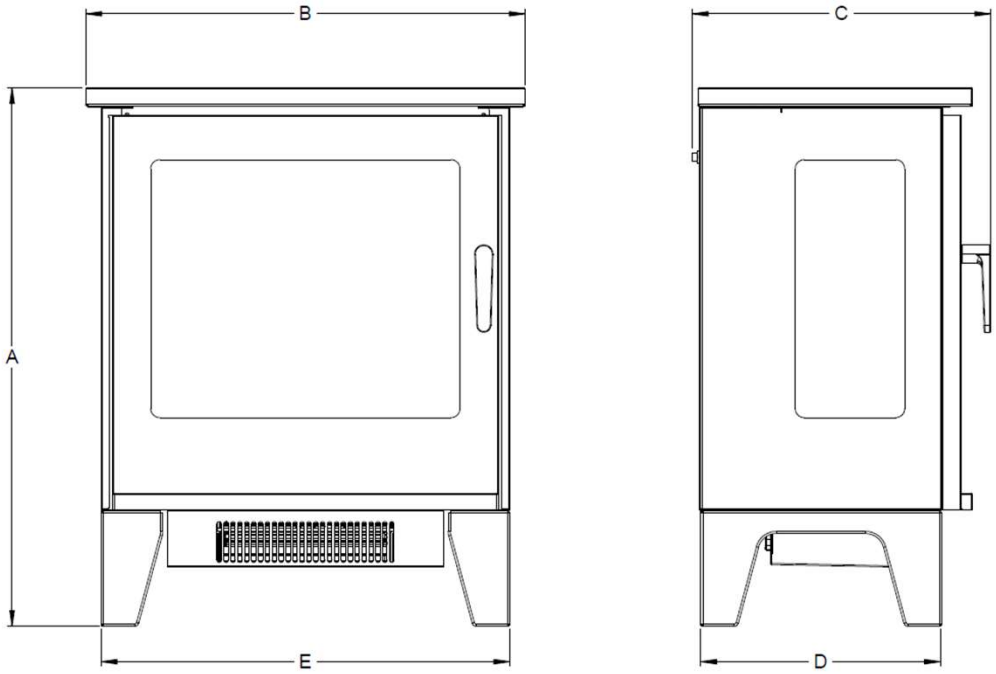
Technical Specification and Box Contents



Stove	Dimensions (mm)				
	A	B	C	D	E
4453	585	477	325	262	444

Stove	Visible Glass Area (mm)		Boxed Weight
	W	H	(Kg)
4453	336	280	15.7

Tolerance +1mm/-1mm

What's in the Box

Description	Quantity
Stove	1
Remote Control	1
AAA Batteries	2

Please ensure that everything is present before commencing the installation. If anything is missing please call Customer Services on 01914300901 or email us at customerservices@bemodern.co.uk

Heating Specification

Model No: 4453
Supply Voltage: AC 220-240V 50Hz, Maximum power consumption: 1811W.

Model: 4364	Wattage
Power for Flame Effect	11w
Heat Output	
Nominal heat output (Pnom)	1800w
Minimum heat output (indicative) (Pmin)	900w
Maximum continuous heat output (Pmax)	1800w

Auxiliary Electricity Consumption	Wattage
At nominal heat output (elmax)	11w
At minimum heat output (elmin)	11w
In standby mode (elSB)	0.43w

Important Safety Information

Read all the instructions carefully before using the appliance.

For indoor use only. This appliance is not suitable for use outside the house and only suitable for well insulated spaces or occasional use.

If the fire is to be placed in front of an existing chimney opening and there is any risk of chimney debris falling down onto the fire or drafts from the chimney it is recommended that the flue or opening is sealed off with non-combustible non-fibrous insulation materials. Do not place into an existing fireplace that is prone to dampness. Should it be necessary to cap and seal the chimney to prevent personal injury, a professional should be hired to do the work

Do not use this appliance in the immediate surroundings of a bath, a shower or a swimming pool.

Do not use this fire as a free-standing appliance. It must always be fixed to the wall, fireplace mantel, floor etc.

This fire must not be located immediately below a socket-outlet.

This appliance must be earthed.

This appliance must not be supplied through an external switching device, such as a timer, or connected to the circuit that is regularly switched on and off by utility in order to avoid a hazard due to the inadvertent resetting of the thermal cut out.

A non-rewireable plug fitted with a 13A fuse is supplied. Should the fuse or plug need replacing, and you are competent to do so, it must be replaced with a 13A fuse or plug being 13A BS1363A approved.

If the power cord is damaged, it must be repaired by the manufacturer, its authorised service centre or professional person.

The meaning of this symbol is DO NOT COVER **Warning:** in order to avoid overheating, do not allow the appliance to be covered or let the air inlet/outlet become obstructed.

To reduce the risk of fire, keep textiles, curtains, or any other flammable material a minimum distance of 1 meter from the air outlet.

Keep the power cord away from hot surfaces and hot conditions. Do not route the power lead in front of the appliance.

Do not use this fire in rooms that have explosive fumes in them (for example petrol), or if you are using solvents, glue, aerosol spray or in flammable paints, as these may catch fire.

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.

Children and vulnerable people must be supervised at all times when using this appliance, as some parts can become very hot and cause burns.

Do not use this appliance in small rooms when they are occupied by persons not capable of leaving the room on their own, unless constant supervision is provided.

Important Safety Information *Continued…..*

Cleaning and user maintenance shall not be made by children without supervision.

Children aged from 3 years and less than 8 years only can switch on / off the appliance provided that it has been placed or installed in its intended normal operating position and instructions and supervisions concerning the safe way of the use of the appliance are offered. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.

This appliance shall not be played with by children.

Children of less than 3 years should be kept away unless continuously supervised.

Keep the power plug accessible after installation.

Manual Handling

BEFORE STARTING THE INSTALLATION OF THIS FIRE, PLEASE READ THE FOLLOWING:

CAUTION: This appliance is heavy. Always seek assistance whilst unpacking and / or during installation.

The installation should be carried out by **two adults** to avoid injury or damage. If for any reason it is considered too heavy, please obtain assistance.

When lifting the electric appliance, always keep your back straight. Bend your legs and not your back. Avoid twisting at the waist. It is better to reposition your feet.

Avoid upper body / top heavy bending. Always bend from the knees rather than the waist. Do not lean forward or sideways while handling the fire.

Always grip the fire with the palm of the hand – do not use the tips of fingers for support.

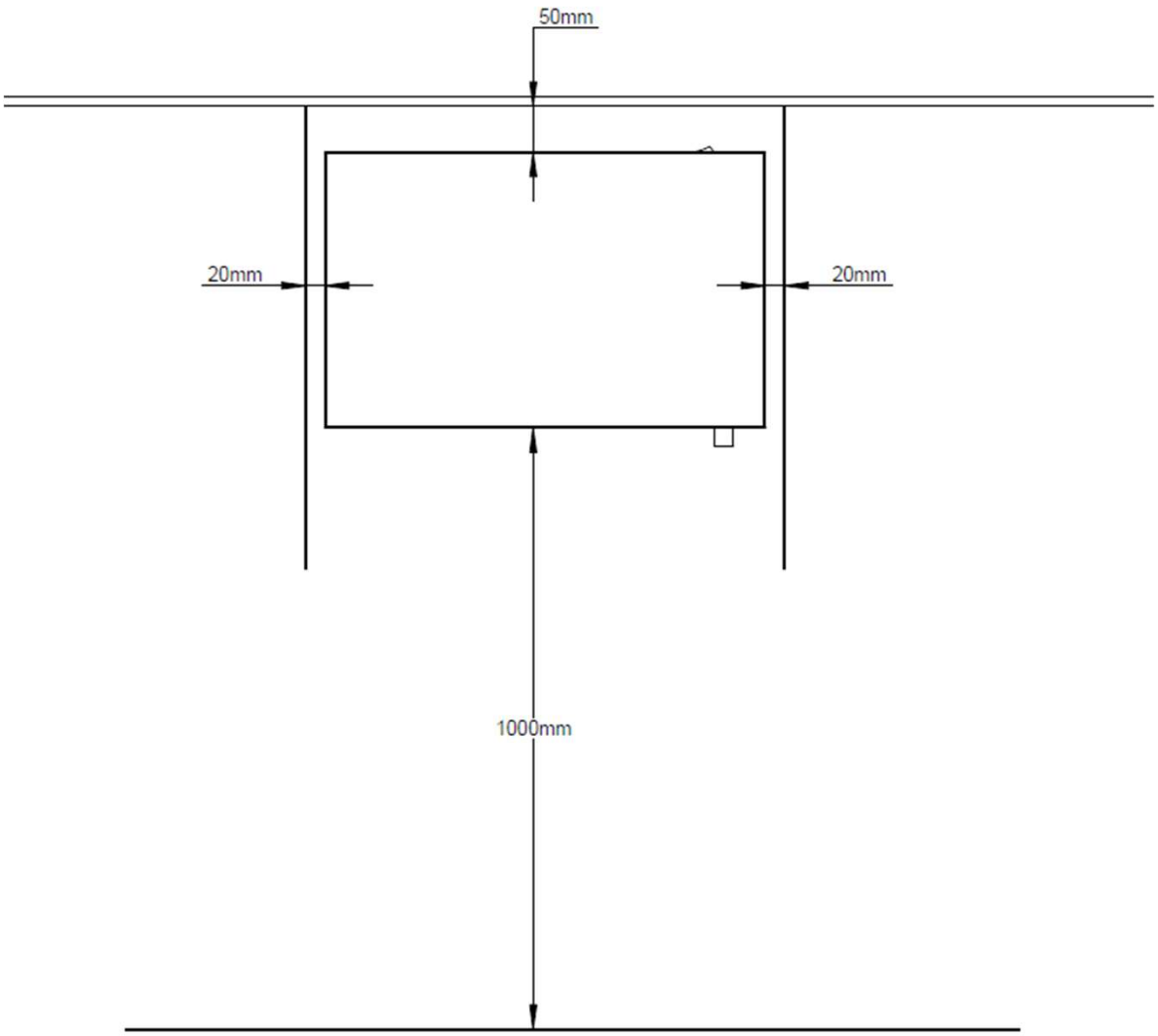
Always keep the fire as close to the body as possible. This will minimize the cantilever action.

Use gloves to provide additional grip.

Installation - Placement

This heater is designed to be placed on a hard, level surface. When positioning, please keep the following points in mind:

- If you are placing the heater in an alcove, make sure that there is at least 20mm of space on both sides and 50mm of space to the rear to ensure good air circulation.
- Keep the appliance face at least 1000mm (1.0m) from walls and any other combustible materials.
- The heater must **not** be located over a fixed electrical socket. The socket must always be accessible in order to disconnect the heater from the electrical supply for maintenance.
- Keep hearth rugs and other soft furnishings away from the front of the heater. They could obstruct the free flow of hot air from the fan and damage both soft furnishings and heater.



User Instructions - Introduction

WARNING! Do not operate the appliance if it is damaged or has malfunctioned. If you suspect the appliance is damaged or has malfunctioned call a qualified service engineer to inspect the appliance, and replace any part of the electrical system, if necessary, before reuse.

WARNING! To reduce the risk of fire, keep textiles, curtains, or any other flammable material a minimum distance of 1 meter from the air outlet.

MAKE SURE the plug fits tight in the outlet. Faulty wall outlet connections or loose plugs can cause the appliance to overheat.

Do not disconnect the power at the mains supply whilst the appliance is running. Use the functions on the remote or fire to turn the fire off and ensure the mains switch has been moved to the off position before disconnecting.

PREPARATION FOR USE

This appliance can be operated by manual control or remote control. **NOTE**: To use the appliance the main power switch must be in the 'ON' position.

Batteries

Ensure that the handset batteries are new and inserted correctly.

Main Power Switch

This needs to be switched ON before operating the appliance. A long beep will be heard to indicate the fire is ready for use.

User Instructions – Manual Controls

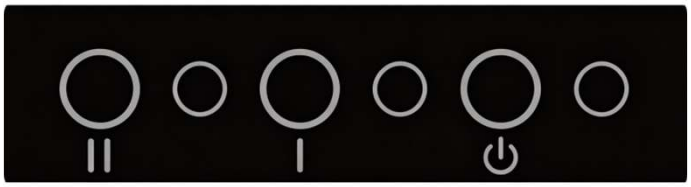
Switching ON / OFF

Use the ON / OFF switch to power on the heater (set it to standby mode).

In standby mode, the heater can be operated either manually by the switches located at the front right-hand side of heater or by the supplied remote control.

Manual Operation

NOTE: The heater only starts working if the set temperature is higher than the ambient room temperature.



		Heater powered off
		Heater powered on, set to standby mode
		Press to switch the flame effect ON / OFF Press and hold to toggle between 5 different flame dimmer levels
		Press to activate low level heating(900W) Press and hold the button to turn the child lock ON/OFF.
		Press to activate high level heating(1800W) Press and hold the button to toggle between 5 levels fuel bed brightness.
		Press and hold the two buttons simultaneously for 3 seconds to decrease the set temperature.
		Press and hold the two buttons simultaneously for 3 seconds to increase the set temperature.

User Instructions – Remote Control

Remote Operation
NOTE: The heater should be powered on using the ON/OFF switch before it can be operated using remote control.

	ON/OFF button Press the button to turn the heater and flame effect ON/OFF.
	Timer setting button • Press the button to set the heater operating time from 0.5 to 9 hours. Each press increases the timer setting by 0.5 hour. The LED display will show the selected timer setting from 0.5H to 9H. • To cancel the timer, press the button until LED display shows ---.
	Temperature setting button • Press the + or – button repeatedly to increase or decrease the temperature. The temperature range is 15°C to 30°C. • To cancel the temperature limit for heating function, press the button until LED display shows --C. NOTE: The default set temperature is 20°C.
	Child lock button • Press and hold the button for 3 seconds to turn the child lock ON/OFF. NOTE: The default status is OFF.
	Fuel bed brightness setting button • Press the button to toggle between 5 levels of fuel bed brightness. • The LED display shows CL1, CL2, CL3, CL4, and CL5. NOTE: The default fuel bed brightness is CL5.
	Flame brightness setting button • Press the button to toggle between 5 levels of flame brightness. • The LED display shows FL1, FL2, FL3, FL4, and FL5. NOTE: The default flame brightness is FL5.
	Low heating level button • Press the button once to activate the low heating level (900W). The LED display will show H1. • Press the button again to turn the heating off.
	High heating level button • Press the button once to activate the high heating level (1800W). The LED display will show H2. • Press the button again to turn the heating off.

Fan Delay Function:
H2 on the LED display will flash for a short period when the High Heating (1800W) is switched off.
OFF on the LED display will flash for a short period when the heater is switched off using the remote control or the ⏻ button (not the main power switch).
OFF on the LED display will flash for a short period when the timer expires

Maintenance

WARNING: Before any maintenance or whilst cleaning the exterior of the fireplace, the unit should be disconnected from the power supply until it has cooled down.

The heater uses an electronically controlled LED system to create the flame effect therefore no parts need to be replaced. Under no circumstances should the heater be serviced by anyone other than a qualified electrician.

Battery replacement is recommended after 1 year. The batteries are 1.5V alkaline AAA, batteries.

Dispose of old batteries at an appropriate recycling facility.

Safety Cut-out

This heater is fitted with a safety cut-out which will operate if the heater overheats (e.g. Due to blocked air vents). For safety reasons, the heater will NOT automatically reset. To reset the heater, disconnect the heater from the mains supply for at least 15 minutes. Reconnect the supply to the mains and switch on the heater.

Cleaning the Fire

Cleaning or polishing products are not recommended.

Fingerprints or other marks on the front glass panel can be removed by a piece of soft, damp, lint-free cloth with a good quality household glass cleaner. The front glass panel should always be completely dried with a clean, lint-free cloth or paper towel.

CAUTION: Abrasive cleaners should not be used on the glass panel. Liquids should not be sprayed directly onto any surface of the unit.

Troubleshooting

Problem	Solution
The fire is not switching on	Ensure the mains switch is on. Replace the fuse in the plug
The fire is not emitting heat	Check the temperature of the fire is set higher than the room temperature
The fire Shuts off after a period of time	The room has reached the set temperature. Has the daily timer been set.
The heater switched off and won't come back on	The safety cut out has operated due to the fire overheating, check inlets and outlets for blockage.
Display showing E1	Fault with temperature sensor either loose or damaged
Display showing E2	Dry or broken solder on track of PCB

Should you be experiencing any problems with your fire please call Customer Services on 01914300901 or email us at customerservices@bemodern.co.uk

ERP Table

Contact details	BE MODERN LTD 19/34 BEDESWAY, BEDE INDUSTRIAL ESTATE, JARROW, TYNE & WEAR, NE32 3BE					
Model identifier(s): 4453						
Item	**Symbol**	**Value**	**Unit**		**Item**	**Unit**
Heat output					Type of heat output / room temperature control (select one)	
Nominal heat output	P_{nom}	1.8	kW		single stage heat output and no room temperature control	[no]
Minimum heat output (indicative)	P_{min}	0.9	kW		two or more manual stages, no room temperature control	[no]
Maximum continuous heat output	$P_{max,c}$	1.8	kW		with mechanic thermostat room temperature control	[no]
Power consumption					with electronic room temperature control	[yes]
In off mode	P_o	0	W		electronic room temperature control plus day timer	[no]
In standby mode	P_{sm}	0.43	W		electronic room temperature control plus week timer	[no]
In idle mode	P_{idle}	N.A.	W		Other control options (multiple selections possible)	
In network standby	P_{nsm}	N.A.	W		room temperature control, with presence detection	[no]
Standby mode with display of information or status			[no]		room temperature control, with open window detection	[no]
Seasonal space heating energy efficiency in active mode	$\eta_{S,on}$	91	%		distance control option	[no]
					adaptive start control	[no]
					working time limitation	[no]
					black bulb sensor	[no]
					self-learning functionality	[no]
					control accuracy	[no]

Electrical Connections - Uk Plug Wiring Instruction

• If the plug has to be changed because it is not suitable for your socket, or due to damage, please follow the wiring instructions shown below.

• **The wires in the mains lead are coloured in accordance with the following code:**

BROWN	:	LIVE (L)
BLUE	:	NEUTRAL (N)
GREEN / YELLOW	:	EARTH (E)

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, please adhere to the following:-

• The BLUE wire is the NEUTRAL and must be connected to the terminal which is marked with the letter N or coloured BLACK.

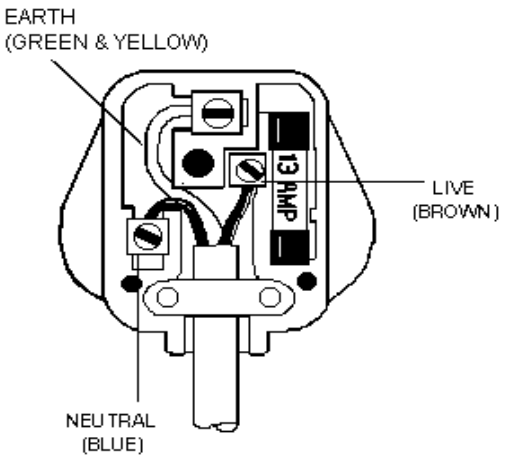
• The BROWN wire is the LIVE and must be connected to the terminal that is marked with the letter L or coloured RED.

• The wire which is coloured GREEN / YELLOW must be connected to the terminal which is marked E or the earth symbol or coloured GREEN or GREEN / YELLOW.

• Always ensure that the cord grip is positioned and securely fastened.

• **WARNING:** THIS APPLIANCE MUST BE EARTHED.

• ***If a 13A (BS1363) fused plug is used it must be fitted with a BS1362 13A fuse. If in doubt consult a qualified electrician.***



Electric Fire Guarantee

Be Modern Ltd. (the 'Company') provides a **Twelve month** guarantee in respect of electric fire (the 'Product') ranges.

1. The Twelve month Guarantee applies to:
a. All products in the ranges manufactured by the 'Company' (but subject to the exceptions below): where
b. The product has been purchased and installed within the UK and in respect of
c. The initial installation: and in favour of
d. The original purchaser
1. Proof of Purchase must be retained by the Purchaser
2. The Twelve month Guarantee does not apply to:
a. Damage or inferior workmanship practices whilst the 'Product' is being installed
b. Damage caused by mis-use of the 'Product' or where normal standards of care and use have not been complied with.
c. Damage through a malfunction or an inadequately installed electric fire.
d. Damage or defects due to mis-use, accident or unauthorised alterations.
1. During the twelve months after the 'Product' has been supplied, the Guarantee covers the make good (whether by repair or replacement at the Company's option) of defects arising from defective manufacture of materials of 'Product' covered in Para 1 all at no cost to the purchaser on the proviso:
a. The Product has been installed as Be Modern recommendations
b. The Purchaser uninstalls the Product and makes it available for collection by Be Modern.

This Guarantee does not affect your statutory rights

On requiring service the purchaser should contact the retailer who supplied your product who will assist and advise you as necessary.

Be Modern Ltd. Customer Services: Tel (0191) 430 0901, Fax (0191) 430 9522

General Information

Environment

Meaning of crossed –out wheeled dustbin:
Electrical appliances should not be disposed as unsorted municipal waste. Separate collection facilities should be used in the disposal of electrical appliances. Contact your local government for the information about the available collection systems. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being. When old appliances are replaced by the new ones, it is a legal obligation for the retailer to take back the old appliance for disposals at least free of charge.

This fire complies with the Safety Standards EN 60335-1 and EN 60335-2-30 which covers the essential requirements of the Low Voltage Directive 2014/35/EU and the EMC standards EN 55014-1; EN 55014-2; EN 61000-3-2 and EN 61000-3-3 which covers the essential requirements of the European Electro Magnetic Compatibility 2014/30/EU.

This fire complies with the Safety Standards BS 60335-1 and BS 60335-2-30 which covers the essential requirements of the Electrical Equipment (Safety) Regulations 2016 and the EMC standards BS 55014-1; BS 55014-2; BS 61000-3-2 and BS 61000-3-3 which covers the essential requirements of the Electro Magnetic Compatibility Regulations 2016.

RoHS stands for Restriction of Hazardous Substances and impacts the entire electronics industry and many electrical products as well. The Restrictions of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, originated in the European Union in 2002 and restricts the use of six hazardous materials found in electrical and electronic products. All applicable products in the EU and UK market since July 1 2006 must pass RoHS compliance.