INSTRUCTION MANUAL

Funkyheat
SMART EFFICIENT HEATING

TOUCHSCREEN FAR INFRARED HEATER

Sold & Distributed in the UK & Ireland by:
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Huddersfield Road
Meltham
HD9 4AE
www.funkyheat.co.uk

This appliance complies with European Directives:

CE

2004/108/EC on electromagnetic compatibility.
2006/95/EC on low voltage.
2002/95/EC on the restrictions of the use of certain hazardous substances.

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1.Technical features of the appliance

230V 50Hz

Class II

Degree of protection: IP24

The features of the appliance are indicated on the features label situated on the rear edge of the cover.

XXXX : Manufacturer's trademark or brand
12345678: serial No.
Category:…….- type:…….- model……..
Degree of protection:…..-Voltage:…… - Power…….
EC Marking – double insulation – quality label

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2. General Information

Unpack the appliance and place it either on the polystyrene protection or on a carpet

Package contains:

- **Appliance**
- **Remote control**
- **Wall mounting kit**
- **Instruction manual**

- Read these instructions carefully before installing and using the appliance. Keep them for all future reference.
- Use the appliance only according to these instructions.
- These instructions, however, do not cover all situations that may arise. Use caution and common sense when installing and using the appliance.
- It is forbidden to modify in any way the features of the appliance or to disconnect fixed parts.
- Make sure that the appliance is in good condition.
- Do not use the appliance if damaged. Contact the retailer or professional qualified personnel.
- The materials used for packaging can be recycled. For disposal use dedicated recycling containers.

3. Positioning and installation

This appliance is intended for domestic use for room heating. It shall not be put to any other use.

It must be fixed onto a wall as indicated in this instruction manual.

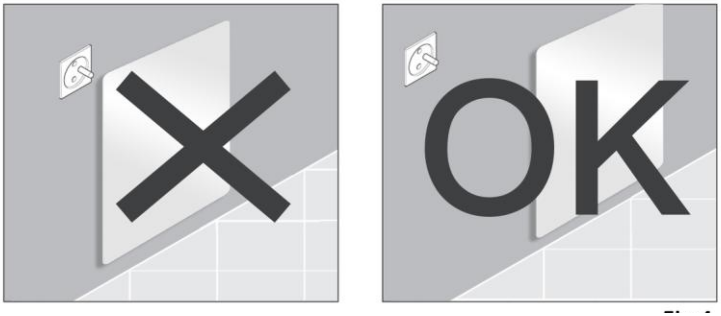
In case of vertical positioning the control graphics must be kept on the right-hand side, while for horizontal positioning the control graphics must be kept on the lower side.

In the bathroom or shower the appliance must be fitted in the correct zone for the IP24 rating.

The control devices must be out of reach for people in the bathroom of shower.

The controls must be placed in zone 3.

(Fig. 1)



Keep the given minimum distances.

(fig. 2 – 3)

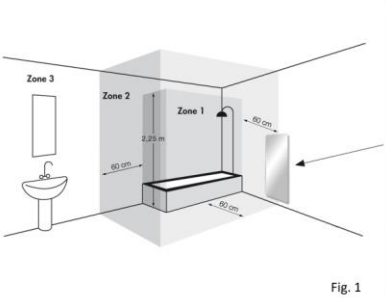
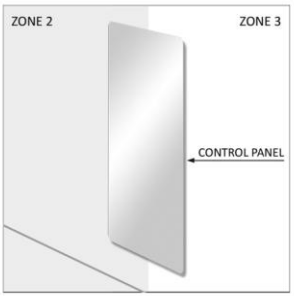


Fig. 1



Do not install the appliance:

- Right below a power socket

- In contact with the floor.

- In close proximity to flammable or combustible materials or pressurised containers.

- Make sure that there are no electrical cables or pipes in the wall which could be damaged during installation.

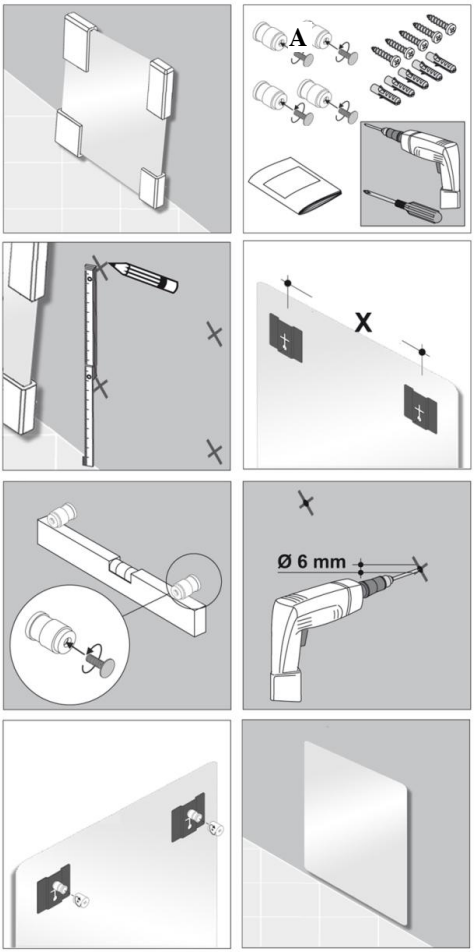
3.1 Wall mounting

Make sure the plugs and screws provided are suitable for the wall type onto which the appliance is going to be mounted.

If in doubt, ask professional qualified personnel.

IMPORTANT

It is recommended to secure the appliance only with the **A** screws on the upper shelves. Leave the lower screws slightly loosened so as to allow the expansion of the panel when heating".



3.2 Electrical connection

If hardwiring to a fused spur, this work must be done by a qualified electrician.

The electrical connection must be carried out in compliance with the national regulations for electricians in force.

Before connecting the appliance to the electrical network, make sure that the power is off.

Do not install the appliance if:

- The power supply cable is damaged.
- The appliance and the control boxes are damaged.

The appliance supply voltage is 230V 50Hz.

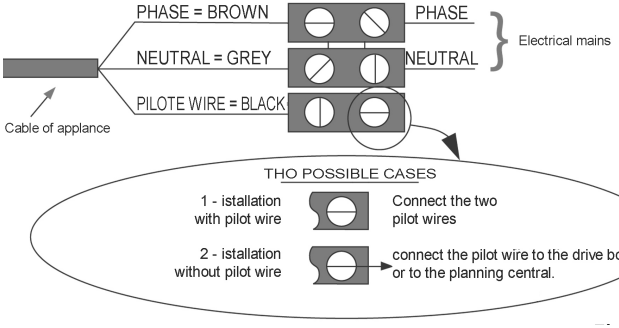
Make sure the power supply complies with the appliance's voltage.

Make sure that the power supply cable never comes into contact with the hot surface of the appliance.

The power supply must be equipped with an omni-polar cut-off device with a gap between contacts of at least 3 mm, including the pilot-wire if present.

If the appliance is mounted in the bathroom or shower, the power line, including the pilot-wire, must be equipped with a high-sensitivity differential protection with maximum rated current of 30mA.

In humid environments (bathrooms, kitchens, laundry rooms etc.) it is very important that the electrical connection to the network is situated at least at 25 cm from the floor.



4. Warnings

- This appliance is not intended for use by persons (including children) with reduced physical sensory or mental capabilities.

- Children under 3 years of age must be kept away from the appliance and always be supervised.

The appliance can be used by children aged between 3 and 8 and by people with reduced physical, sensory or mental capabilities, or with lack of experience or necessary knowledge, as long as they are being supervised and / or after they have received appropriate instructions for a safe use of the appliance and for an understanding of its inherent dangers. They shall not disconnect or connect the unit, calibrate it or do cleaning and maintenance.

Children must not play with the appliance.

- The appliance was designed for the heating of domestic premises.

- During normal operation the surface of the appliance may reach high temperatures which can cause burns.

- Combustible or flammable materials and pressurised containers (sprays, fire extinguishers, etc.) must be kept at a distance of at least 50cm from the appliance.

- Do not touch the appliance with wet hands or feet.

- The appliance must not be used if the crystal glass is damaged.

- It is important not to cover the appliance at any time in order to avoid dangerous overheating. **(Fig. 6)**

Fig 6

4.1. Control panel (touch screen)

Control panel with symbols and functions (**Fig. 7)**

T1	STAND-BY.....	**L1**
T2	Low-temperature heating (50°c) ….....….....	**L2**
T3	Medium-temperature heating (70°c) ….....…	**L3**
T4	Maximum-temperature heating (90°c) ….....	**L4**
T5	Maximum-temperature 2-hours boost	**L5**
T6	Keypad Lock.....	**L6**

L7 Red LED indicates radiator is heating up
L8 Appliance is heating
S1 Infrared sensor for remote control

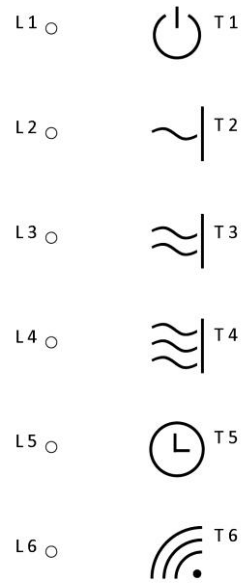


Fig 7

These far infrared heaters are equipped with an advanced control system with touch-screen controls and light indicators which indicate the set function.

Changes in settings are also notified by a beep.

- When connecting the power supply, all the LEDs light up for 2 seconds and you will hear a long “beep”. After this, only L1 and L8 will remain on.

- Touch T2 if you wish to heat up the room with a low surface temperature on the heater. The L2 and L7 green LEDs will light up and you will hear a “beep”. When the surface of the radiator reaches the set temperature, L7 switches on and off cyclically in order to maintain the set temperature.

- Touch T3 if you wish to heat up the room with a medium surface temperature on the heater. The L3 and L7 green LEDs will light up and you will hear a “beep”. When the surface of the radiator reaches the set temperature, L7 switches on and off cyclically in order to maintain the set temperature.

- Touch T4 if you wish to heat up the room with a maximum surface temperature on the heater.. The L4 and L7 green LED will light up and you will hear a “beep”. When the surface of the radiator reaches the set temperature, L7 switches on and off cyclically in order to maintain the desired temperature.

- Touch the T5 button if you wish to have the maximum surface temperature for a limited time (2 hours), the L5 and L7 LEDs will light up. The radiator will operate at maximum temperature for 2 hours, after which, it will go back to operate in the function set before the Boost function.

If after the settings you wish to lock the keypad, press the T6 button for 5 seconds - you will hear 4 beeps confirming the setting.

When touching the other buttons lightly, the L6 LED will flash for 2-3 seconds indicating the keypad is currently locked.

Only the T1 button will remain operational, so to put the appliance on stand-by at any time.

To reactivate the keypad, press the T6 button for 5 seconds -
4 consecutive beeps will confirm the setting.

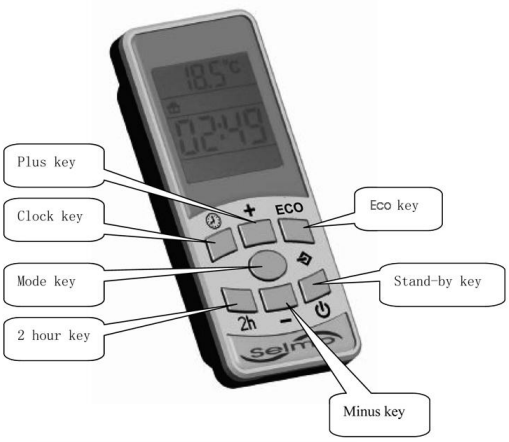
5. Remote Control

These far infrared heaters are equipped with infrared remote control allowing you to set, through the S1 sensor, the control of room temperature and to set different operating programs.

When the S1 sensor receives the information, the L8 LED flashes to indicate the communication has been received. It will then stay lit to indicate that the appliance has been programmed.

For an efficient communication, point the remote control at the receiver unit. The distance between the remote and the receiver must not be greater than 7 m.

1 : Double infrared communication, one at the top and one at the bottom of the remote control
2 : Seven push-buttons
3 : Maximum communication distance from device: 7 m
4 : Two - AAA - LR03 - 1.5 V batteries



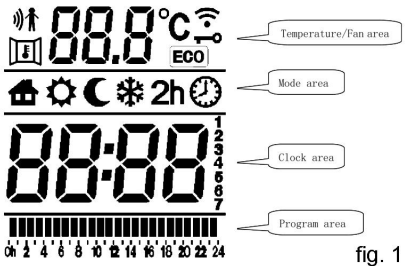


fig. 1

Symbol	Mode	Function Description
	Fil-pilot	The temperature of the appliance is controlled by the pilot-wire
	Comfort	The temperature of the appliance is controlled by the “Comfort mode” settings
	Night	The temperature of the appliance is controlled by the “Night mode” settings
	2 hr timer	The appliance heats up the room at maximum power
	Clock	The temperature of the appliance is controlled by the mode of either the “comfort” or “night” programs
	Stand-by	The appliance is not in operation
	Lock	Locks the keypad of the appliance

Switching Modes

See Fig.1 below:
1. Once the batteries are installed, the LCD display will be showing all symbols for three seconds.

After this, go to the “Date and time settings” interface – the date will be flashing, the user will then be able to set the date by using the “Plus” or “Minus” buttons.

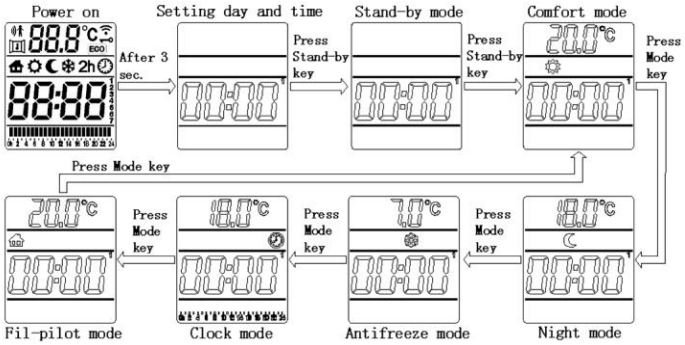
Press then the “Mode” button - the “Hour” will be flashing – set current hour by using the “Plus” or “Minus” buttons.

Then press the “Mode” button once again – the minutes section will be flashing – set current minute by using the “Plus” or “Minus” buttons once again.

Press the “Mode” button again to terminate the Minutes setting and to switch to stand-by mode.

While “Date” is flashing, if the user does not wish to set any parameter, just press the "Stand-by" button to switch to stand-by mode immediately.

(Fig. 1)



2. Once date/hour/minutes are set and once having switched to “stand-by” mode, press the “Stand-by” button - the remote control will switch to “Comfort” mode.
From the "Comfort" mode, by pressing the “Mode” button, the “Night” mode will be activated.

Similarly, by pressing the “Mode” button again, the remote control's modes will

switch to: Comfort Mode – Night Mode – Antifreeze Mode – Clock Mode – Pilot-Wire Mode – Comfort Mode***

Comfort and Night Modes – setting of the mode's temperature (see Fig.1)
1. Go to “Night” or “Comfort” mode - use “Plus” or “Minus” buttons for temperature setting: by pressing the “Plus” button once, the temperature will rise by 0.5 degrees, by pressing the “Minus” button once, the temperature will drop by 0.5 degrees.

Temperature can be adjusted from 7 up to 32 degrees.

2. The “Night” mode temperature setting can not be higher than the “Comfort” mode's one.

Example : If the “Comfort” mode's temperature has been set to 25 degrees, when switching to “Night” mode and wanting to set the temperature, once it reaches 25 degrees, the temperature will not rise, even when pressing the “Plus” button.

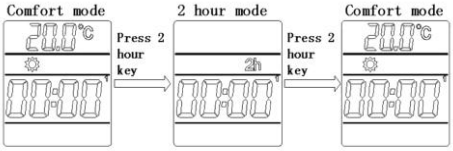
Antifreeze Mode (see Fig.1)
Go to “Antifreeze” mode, the temperature is fixed to 7 degrees, by pressing the “Plus” or “Minus” buttons, the temperature cannot be neither risen nor reduced.

Clock Mode (see Fig.1)
Go to “Clock” mode, the LCD display will be showing temperature, date, time and state of the daily program.

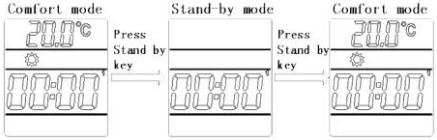
Pilot-Wire Mode (see Fig.1)
Go to “Pilot-Wire” mode – the device will recognise the commands received from the Pilot-Wire (Comfort / Nigh / Antifreeze / ECO / Stand-by)

2-Hours Mode
In any mode, by pressing the “two hours” button, the device will start to heat up the environment at full power for 2 hours.

By pressing the button again, the remote control will go back to the previous mode. **(Fig 2)**



Stand-by Mode
In any mode, by pressing the "Stand-by" button, the remote control will go into stand-by mode and the device will stop operating.
By pressing this button again, the remote control will go back to the previous mode. **(Fig 3)**



Eco Mode

Eco mode can be activated to reduce power consumption when the room is empty for a specific period of time. By pressing the "Eco" button, the remote control display will show the icon of the function.

By pressing the "Eco" button again, the function will be disabled and the icon will disappear.

“Window open” Mode

Pressing the "Eco" and "-" buttons simultaneously for 3 seconds will activate the 'window open' sensor. Pressing the "Eco" and "-" buttons again simultaneously for 3 seconds will disable the function.

“Presence” Radar Mode

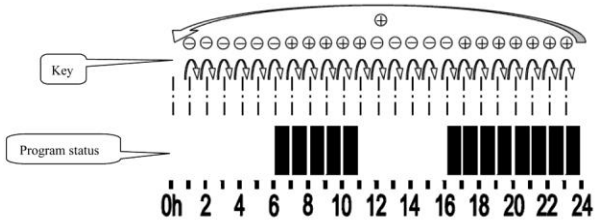
Pressing the "Eco" and "+" buttons simultaneously for 3 seconds will activate the sensor of presence in the room. Pressing the button "Eco" and "+" buttons again simultaneously for 3 seconds will disable the function.

Time and program setting

1. By pressing the "Mode" button, the hour section will start flashing and the user will be able to set the current hour by using the "Plus" or "Minus" buttons.
By pressing the "Mode" button again, the minutes section will start flashing and the user will be able to set the minutes by using the "Plus" or "Minus" buttons.

2 : When the Minutes section is flashing, by pressing the “Mode” button, the user may proceed to set the Monday program and the “0 time” point will start flashing. The user may then use the “Plus” or “Minus” buttons to set the “Comfort temperature” or “Night temperature” to current time (by pressing “Plus” the point indicating that at the current time the “Comfort temperature” mode will be activated. While by pressing the "Minus" button, the point will disappear to indicate that at current time the “Night temperature” mode will be activated. Subsequently, the point of the following hour will flash in the same way for the setting.

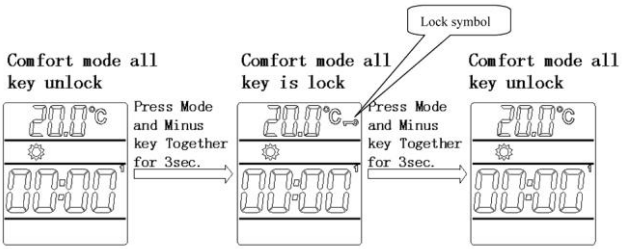
By pressing the “Mode” button again, the subsequent day will be displayed and the user will be able to set, in the same way, the modes for the hours from 0 to 23. **(Fig. 6)**



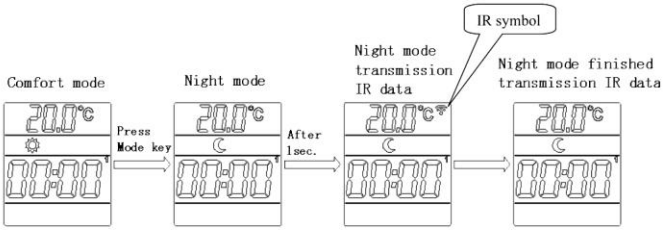
Keypad Lock

By pressing the “Mode” and “Minus” buttons simultaneously for 3 seconds, the block symbol will be displayed and all buttons will be locked. Thus, at the pressing of any buttons the remote control will not respond.

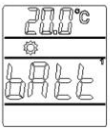
By pressing once again the “Mode” and “Minus” buttons simultaneously for 3 seconds, the block symbol will disappear and the buttons will go back to being operational. **(Fig.7)**



IR transmission
If no button is in operation, after 1 second, the remote control will transmit the IR data to the device and the IR transmission symbol will start flashing. At the end of data transmission the symbol will disappear. **(Fig 8)**



Low Batteries
When the batteries' tension is lower than 2.2 V, the “Batt” symbol will be displayed for 3 seconds every minute in the clock zone. The user will have to replace the batteries. (Fig.9)



6. Cleaning and maintenance

Before starting any operation make sure that the equipment is completely cold and that it is disconnected from the mains.

To clean, use a soft damp cloth with mild detergent to clean the crystals. Do not use abrasive cleaners, or corrosive solvents.

In case of technical problems, contact a qualified professional.

7**. Quick Controller Set-Up**

1. Take the batteries out to re-set it

2. Put the batteries in

3. The display will flash 00:00 with the number 1 in the top right

4. Press the centre oval button twice - this allows you to set the clock. Use the + or - buttons (above and below the oval button) to set the time

5. Press the clock icon button on the top left (the 1 in the display on the right will now flash) - you need to decide which is day one for you so that you can differentiate the weekend settings.

6. Press the oval button twice to go through the hours and minutes. The small block above the numbers in the display with now flash. This is how you set when the heater comes on or stays off

7. Press - for all the time you want the heater off. When you reach the time that you want the heater to come on and stay on, press +. When you want it off again, press -

8. When you reach the end of the day, press the centre oval button again - this will take you to the next day (number 2), do this for all 7 days.

9. Now use the button on the bottom right to switch on the heater

10. You will now see the sun icon. This is the temperature that the heater will be trying to heat to when the heater is on. The default is 20ºC, you can change this with the + or - buttons

11. Press the centre oval button again. You will now see the moon icon. This is the temperature that the heater will keep the space at when the the heater is ‘off’. The default setting is 18ºC, we generally reduce this to 14ºC or 15ºC

12. Press the centre oval button again. You will now see the snowflake icon. This is the frost protection setting. Put it on this setting if you are on holiday and it will stop the space from dropping below this temperature

13. Press the centre oval button again. You will now see the timer (clock) icon. These are the settings you programmed in earlier and the heater will now operate on these programmed settings. Now when you press the centre button and point it

at the heater, you will notice that the heater will beep - this is the heater and the controller communicating. Work through the icons until you get to the timer icon point it at the heater as you press and wait. It is now set up.

14. Finally, using the touchscreen on the heater, press the I, II, or III this controls the surface temperature of the heater. Initially, select III

15. You should now have 3 green lights showing on the heater. The first above the III, the second above the ‘wi-fi’ signal and the third below the branding icon. You will also note a red light coming sometimes, this is the heater and the controller communicating and activating the heater as required.

Funkyheat
SMART EFFICIENT HEATING

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