

HOW INFRARED HEATING WORKS

Infrared heaters do not warm the air but use direct heat, warming the walls as well as all bodies and objects within a room. The heat stored within the walls and the furniture is then re-emitted evenly. All this is a completely natural process, just like when basking in the sun. When using an infrared heater people in the room will start to feel warm within minutes after turning the panels on.

Opening a window, fresh air can be let in without any adverse effects as the heating will stay in the room. Thanks to the heat emitted by the infrared heater itself as well as the heated objects within the room, the perceived room temperature is about 2-3° C warmer than when using convection heating, like heat from radiators. In short, infrared heating saves energy as it is only on when required unlike convection heat which requires a warming up period. The gentle infrared heat allows for more comfort and reduced heating costs thanks to its faster heating effect as well as fewer required hours of operation.

A typical house with 7 rooms - InfraredHeating Requirement					
		Variables	Price per KWh		0.28
			Daily rate		0.40
Room	Size m2	Wattage	Hours usage per day	Heating days p.a	Base Cost
Living	14.59	700	5.1	210	209.92
Kitchen	5.99	320	1	210	18.82
Dining	10.28	520	0.5	210	15.29
Hall	6.61	320	1	210	18.82
Bedroom 1	14.75	700	0.5	210	20.58
Bedroom 2	7.04	320	1	210	18.82
Bedroom 3	7.03	320	0.5	210	9.41
Bathroom	5.95	320	1	210	18.82
Landing	6.43	320	0.5	210	9.41
	78.67	3840			
Cost with smart usage					£339.86
Daily standing charge					£146.00
Total cost per annum					£485.86
Heating costs =					
Hours per day x Heating days x (Wattage/1000) x Price KWh					
Plus					
Daily standing charge x 365					



PRODUCT SPECIFICATIONS - Ceiling or wall mounted

Surface:	sheet steel, powder-coated
Rear panel:	aluminium, untreated
Field of application:	direct heating
Surface temperature	approx. 90° C to 110° C
Voltage:	230 Volt, 50/60 Hz
Colour:	white
Safety specs:	IP 45, protection class 1
Temperature protection:	1-2 sensors, depending on heater dimensions
Power supply:	Type CEE 7/7 tilted; cable length: 1.9 m
Certificates:	



Heating Specification

MODEL	DIMENSIONS [mm]	NOMINAL OUTPUT [W]	WEIGHT [kg]	HEATABLE AREA [m²]
Heat4All SmartLine 175	495 x 350 x 16	170	2.35	2-5
Heat4All SmartLine 320	595 x 595 x 16	320	4.3	4-8
Heat4All SmartLine 520	950 x 615 x 16	520	6.75	8-12
Heat4All SmartLine 700	1100 x 650 x 16	700	8.2	11-19
Heat4All SmartLine 1000	1240 x 815 x 16	1000	11.2	16-24



Heat4All Room Thermostat (wireless)

The H4A Wireless Thermostat allows you to automatically control the temperature settings of your Heat4All Infrared Heaters in your living and office spaces. The H4A Wireless

Thermostat is a digital wireless thermostat with green LCD backlight. Its biggest advantage is its simple and flexible installation, no network connection or cable required. The wireless thermostat can be connected to up to 9 receivers/switching elements.

Advantages of the H4A Wireless Thermostat:

- 7 weekly programmes, 6 temperature settings per day
- Simple and flexible installation – no network connection or cable required
- Quick change of temperature settings
- Information on operating hours / childproofing option / button lock
- Different programming for different days possible (Mon-Fri, Sat-Sun and Mon-Sun)
- Frost protection (3° C), low-battery alarm
- Range up to 35 m



Heat4All Room Thermostat with Rotary Switch (wireless)

The Heat4All Room Thermostat with Rotary Switch allows you to intuitively set your room temperatures by simply turning the rotary switch.



Heat4All Flush-Mounted Switch Actuator

The Heat4All Flush-Mounted Switch Actuator turns your Heat4All Infrared Panel on or off, based on the data transmitted by the wireless thermostat. Its biggest advantage is its simple installation into a flush-mounted socket.



HomeMatic Central Hub

The HomeMatic Central Hub is the centrepiece of the automated control of your Heat4All Infrared Heaters. This innovative device serves as the hub that connects all other components of your user-friendly control system. It can be easily and intuitively programmed via your PC.



HomeMatic Wall-Mounted Thermostat (wireless)

In order to ensure ideal temperatures in each room, we recommend using our HomeMatic Wall Thermostat. The HomeMatic Wall-Mounted Thermostat allows you to individually set the temperature for each room, be it your cosily warm living room or your comfortably cool bed room.

Simply install one HomeMatic Wall Thermostat per room and set it to your preferred temperature



HomeMatic Flush-Mounted Switch Actuator

The HomeMatic Flush-Mounted Switch Actuator allows you to wirelessly connect your Heat4All Infrared Panels to your HomeMatic control system. To use it, simply install the Flush-Mounted Switch Actuator within the wall right behind your Heat4All Infrared Panel.



HomeMatic Remote Control via Smartphone, Tablet & PC

For even more comfort, you may program and control all the components of your HomeMatic control system via the HomeMatic remote control app for smartphone, tablet and PC. Turn your heaters on and off, change the temperature settings and monitor your room temperature anywhere and anytime with this handy application.

PLEASE NOTE: Using Homematic Remote Control is only free for the first year. The fee chargeable afterwards is determined by Homematic and cannot be influenced by Heat4All