



**Made in Germany**

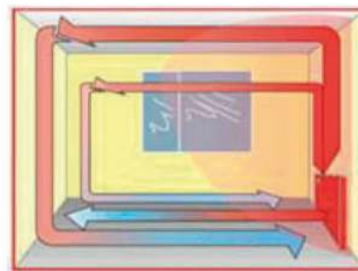
**Heating reinvented**



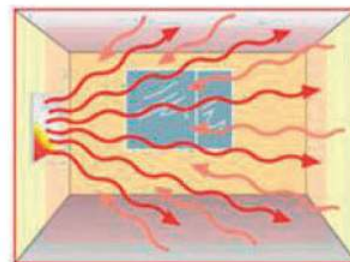
SUNNYHEAT is the most energy efficient infrared system on the market today. Our products are made in Germany, tested and approved because of their efficiency and effectiveness.

By choosing SUNNYHEAT as your primary home heating system your family will save money on heating costs for years to come, compared to heating oil, gas or other heating types.

SUNNYHEAT infrared systems are easy to install, user friendly and are sold with a five year guarantee.



Traditional heating



Infrared heating

# *How it works*

Infrared energy is the frequency range on the electromagnetic spectrum that falls immediately below visible red light. The body's tissues normally produce infrared energy (which is why people can be seen on infrared cameras) for warmth and tissue repair.

Infrared energy can penetrate the body more than an inch to provide heat deep in the body where it is needed. Conventional heating systems only heat the air around the body. Infrared is the energy behind the warmth we feel from the sun, even on cold winter days.



In the wintertime, we feel we need to wear a sweater in order to be comfortable in a room with an air temperature of 18C. However, in the summer time, we feel comfortable with short sleeve shirts and shorts with the same air temperature. Why is this? It is because the infrared waves heat the objects around us and this heat radiates and warms our bodies. We're warm on the inside.

Unlike conventional heaters, which just heat the air, the panels heats the walls. The walls store heat much longer than the air and release it slowly back into the room. Thus, the walls remain dry and mould has no chance to spread. Another advantage is that the air does not circulate so less dust is picked up.

Together the IST and the panel electronics, which is supplied with a unique continuous power regulating algorithm, form the basis of the SUNNYHEAT energy saving technology. The IST and the panel communicate on a continuous basis, whereby the measured temperature and the desired temperature are being sent to the panel electronics every five seconds. These electronics calculate continuously the amount of power that is needed to reach the desired setting on the most economic and efficient manner. From the moment the desired temperature is reached, there is a minimal usage of power to maintain this temperature.

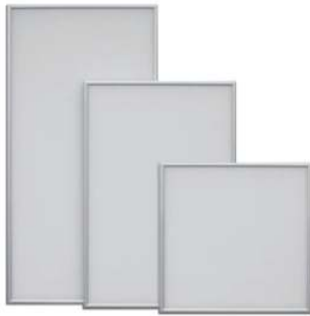
IST



# *The product*

Sunnyheat panels are built with aluminium framing and a security glass front plate. An IST comes with every panel.

## *Standard design*



The frame consists of silver coloured aluminium or any colour (RAL colour chart). The standard glass comes in two finishes: structured glass and mirror effect.



## *Premium design*



With the premium model you can have standard photo prints on the panels with aluminium or RAL frame.

**Frame options:** silver, white, black, brown, aluminium or any colour (RAL).

**Glass options:** structured glass in black or brown; diamond glass in black, white or brown, any other colour (RAL); standard photo prints.



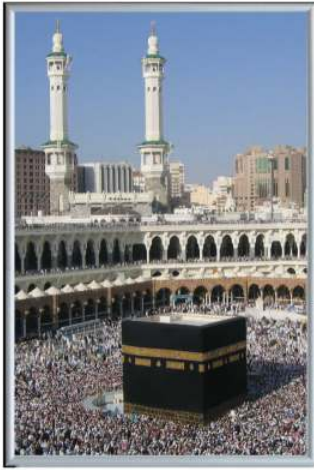
# *Easy installation*



One IntelligentSaving Thermostat (IST) is included with every panel and is powered by two AA batteries. Since it is wireless, installation of the SUNNYHEAT System is very simple. One IST can control multiple panels, or each room can have its own panel with it's own thermostat. Panels can be wall or ceiling mounted with provided screws and brackets. An adjustable floor stand is also available for easier mobility. Plugging the panel's power cable into a standard wall outlet completes the installation of your SUNNYHEAT Infrared system. The optimum position for infrared heating is ceiling mounted.



# *Create your own design*



## *Personalised design*

Panels and frames are available in any colour from the RAL colour chart according to the specifications of the client.

**Photo panels:** Photography or artwork can be printed on the panels. Photos of 8 megapixels or 300 dots per inch give perfect results.



# *Technical specifications*

Panel sizes (cm)	59,5x59,5	59,5x89,5	59,5x119,5
Power consumption	230 volts AC, 50 Hz		
Max. power (typically)	500W	750W	1000W
Max. power (high power)	1000W	1500W	2000W
Weight +/-	6,8 kg	9,7 kg	11,6 kg
Max. size area	15 m <sup>2</sup>	20 m <sup>2</sup>	25 m <sup>2</sup>
Glass	ESG 4 mm safety glass		
Glass temperature between	30°C to 180°C		
Connection	Earthed power plug		
CE-certificate	EN 60730-2-9:95		

