

**Zero Maintenance | IR Heater For Room & Central Heating**  
**Reduce Grid Load & Energy saving up to 70%.**

## IR HEATING SYSTEM - HEAT WITH DECORE



34mm



No Oxygen  
Burning



Room/ Centralized  
Heating System



Eliminates Mold,  
Microbes & Fungus  
Indoor



Saves Electricity  
Save Up To 70%\*  
\*CLOSE DOOR / WINDOW



No Fire Hazard



Electric / Solar/  
Battery Operated



Child Safe  
IR Heater



Pet Friendly  
IR Heater



Improve Air Quality  
& Maintain Humidity

# PRODUCT CATALOG

## INTRODUCTION

IRHS NLO, a leading heating solution, is renowned for its effortless installation and universal compatibility with electrical systems globally. Its outstanding energy efficiency makes it a standout, while its safety features ensure peace of mind. With precise climate control, it maintains a cozy environment all day long, slashing energy bills by up to 70%. What's more, its compatibility with pets and plants makes it an excellent choice for any indoor setting.

### NATURALLY WARMING SENSATION

- ✓ Evenly warms up the room
- ✓ Helps eliminate dampness
- ✓ Does not burn oxygen
- ✓ Helps restore the microclimate



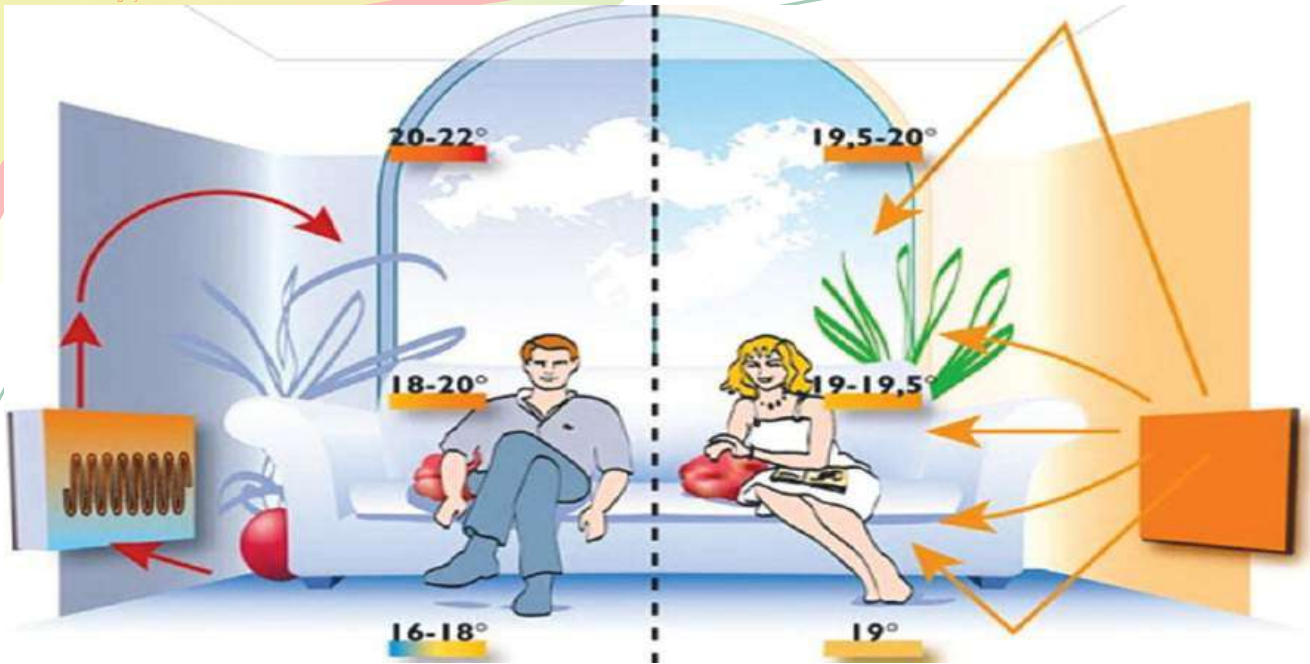
### 2 HEATING METHODS

comfortable and safe for your family through infrared and convection



**IR Heating (Works like the Sun):** Infrared heating, much like sunlight, offers potential health benefits for people of all ages. It can help support the immune system and reduce inflammation, creating a healthier environment. Additionally, it may assist in wound healing, pain relief, and managing conditions like arthritis. Furthermore, it's safe and gentle for everyone, and it warms objects in the vicinity up to 5-7 meters away. It operates efficiently without affecting oxygen levels and requires only 5-6 hours of use to maintain a comfortable and ambient temperature in enclosed spaces. Infrared heating also helps keep spaces clean and fresh by reducing microbes, making it ideal for various indoor settings like homes, hospitals, offices etc. Plus, it doesn't burn oxygen, ensuring safety and comfort for occupants.





**Other Convection Heaters**

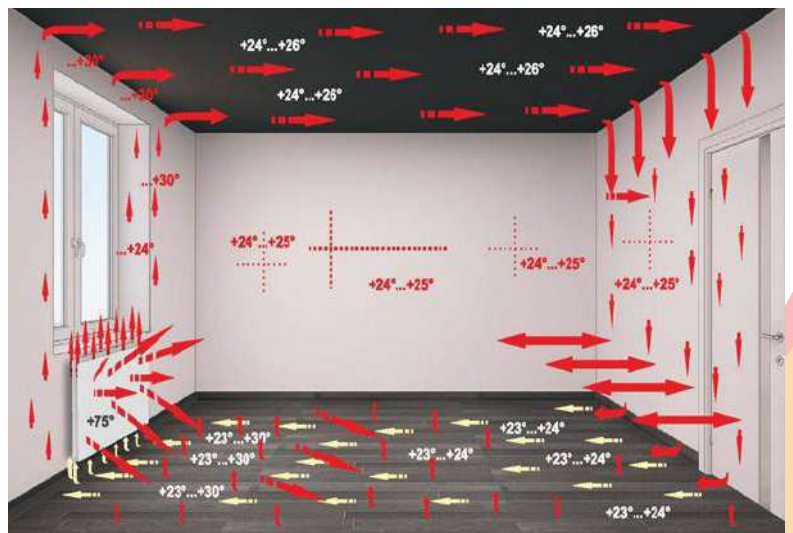
**IRHS Heater**

## Two-way Heating – “IR & Convection” Heat All Type Of Objects!

A two-way heating system combines the benefits of infrared (IR) heating and convection heating to provide efficient and comfortable warmth in indoor spaces. Infrared heating directly warms objects and surfaces, offering rapid and targeted warmth, while convection heating circulates warm air throughout the room for even heat distribution. By integrating both heating methods, two-way heating systems ensure rapid heating and consistent temperature levels, resulting in a cozy and energy-efficient indoor environment. Whether through infrared panels for direct radiant heat or convection heating for air circulation, two-way heating systems offer a versatile solution for effective indoor heating.

### HOW IRHS HEATERS WORK?

Four-sided heating of the plates generates twice as much heat as similar heaters of the same power.



## OUR PRODUCTS

### IRHS NLO Dual Plate Heater (Wall Radiant Heater) 800 watt. Two-way Heating – “IR & Convection”

#### FEATURE & TECHNICAL SPECIFICATIONS

Model No.	IRHS NLO-800W
Installed power	0.8 kW
Space heating area	Room - Up to 25 Sq.m
SpaceHigh Altitude Area HAA	Room - Up to 16 Sq.m.
Product dimensions, (h*w*d)	680*1020*44 MM
Mains supply voltage	220-260v. 50 Hertz
Surface heating temperature	Up to +65° to +85°C
Efficiency	90-96%
Protection class	IP-54, IP- 67
Heating method	Infrared radiation & convection, Two convection chambers
Installation method	Wall



### IRHS NLO Triple Plate Heater (Wall Radiant Heater) 1200 watt. Two-way Heating – “IR & Convection”



#### FEATURE & TECHNICAL SPECIFICATIONS

Model No.	IRHS NLO-1200(Watts)
Installed power	1.2 kW
Space heating area	Up to 36 Sq.m.
SpaceHigh Altitude Area HAA	Up to 30 Sq.m.
Product dimensions, (h*w*d)	680*1020*86 MM
Mains supply voltage	220-260v, 50 Hertz
Surface heating temperature	Up to +65° to +85°C
Efficiency	90-96%
Protection class	IP-54, IP- 67
Installation method	Wall
Heating method	Infrared radiation & convection, Two convection chambers



## OUR PRODUCTS

### IRHS NLO Single Plate Heater (Wall / Roof Heater) 425 watt Heating way – “IR”



FEATURE & TECHNICAL SPECIFICATIONS	
Model No.	IRHS NLO-425W
Installed power	0.4 kW
Space heating area	Up to 8 Sq.m.
Product dimensions, (h*w*d)	700*1020*20 MM
Mains supply voltage	220-260v, 50 Hertz
Surface heating temperature	Up to +65° to +85°C
Efficiency	90-96%
Protection class	IP-54, IP- 67
Installation method	Wall
Purpose / uses	For heating any type of premises
Heating method	Infrared radiation



### IRHS NLO DC IR Heater (700 watts) Two-way Heating – “IR & Convection”



FEATURE & TECHNICAL SPECIFICATIONS	
Model No.	IRHS NLO-700W
Installed power	0.7 kW
Space heating area	Up to 20 Sq.m.
SpaceHigh Altitude Area HAA	Up to 14 Sq.m.
Product dimensions, (h*w*d)	530*1010*34 MM
Mains supply voltage	24V (single Panel)
Surface heating temperature	Up to +65° to +85°C
Efficiency	90-96%
Protection class	IP-54, IP- 67
Installation method	Wall
Heating method	Infrared radiation & convection, Two convection chambers

# CENTRAL HEATING SYSTEM – CLIMATE CONTROL 24x7 1 cubic meter TO 10000 cubic meter (50 Wt. / Cub M3) Two-way Heating – “IR & Convection”



- ✓ Infrared Heating System
- ✓ Panel Fix In Series
- ✓ Highly Efficient Technology
- ✓ Wall or Ceiling Mounted
- ✓ Ultra Slim Design
- ✓ Power Outputs: 800W to 8000W and above
- ✓ Suitable for Offices, Marriage Hall, Club House & Factory
- ✓ Easy Installation
- ✓ More Energy Saving
- ✓ Maintain Humidity
- ✓ Improve Indoor Air Quality
- ✓ Low Harmfull Emission



## ACCESSORIES FOR IRHS HEATER'S



### CLIMATE CONTROL THERMOSTAT (POWER SAVING)

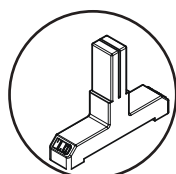
- ✓ Maitian temperature
- ✓ Make Cozy enjoyment 24 x 7
- ✓ Fix desired temperature



### WI-FI SMART PLUG

- ✓ Remotely control from ON / OFF
- ✓ Mobile App Controlled
- ✓ Control Heater from anywhere

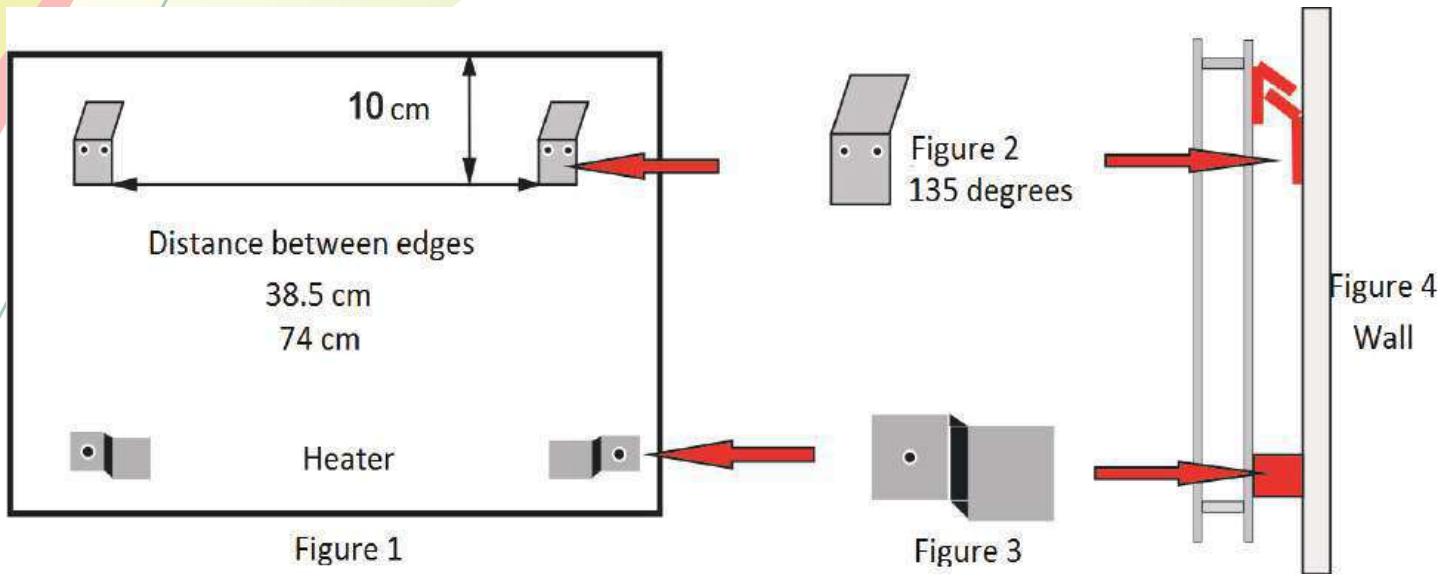
## LEGS PAIR FOR FLOOR HEATER ( FOR 1200 WATT & 1600 WATT)



- ✓ Place the heater in the desired location



## HOW TO INSTALL HEATER:



1. It is necessary to determine the height to install your heater.
2. Take away 10 cm from this height: it will be the mark to attach the lower part of the 135-degree edge (Figure 1).
3. The distance between edges is 38.5 cm, 74 cm (Figure 1). Consider lower level. Z-type edge (Figure 3) shall be fixed by the lower bolt. It is needed to align the vertical line.
4. Remove transportation foam plastic from the casing.
5. The heater is to be hung on the upper 135-degree edge (Figure 2).
6. Heater legs (If provided) are to be fixed by the lower bolt from both sides (page 2).

## How To Install Heater Thermostat:

Please ensure minimum 1-2 feet distance between the heater panel and Thermostat socket



# HERE ARE SOME EXAMPLES OF WHERE IRHS CAN BE USED FOR 24/7 CENTRAL HEATING



Office Complex



Hospitals



Airports



Gym / Sports complex



Hotels



Greenhouses



Schools



Retail stores



Restaurants



Exhibition /  
Conference hall



Work station



Warehouse

It can be used in many ways. These are just a few examples

## For Cost Calculation

To receive a detailed cost estimate for your specific requirements, please provide the following

Name

Area Length, Width, Height (In Meter or Feet)

Location & Pincode

Outside minimum Temperature

Mail Us : [smartcityindia2@gmail.com](mailto:smartcityindia2@gmail.com)





## FREQUENTLY ASKED QUESTIONS

**Q . What type of heater is it ?**

Ans. An electric heater working on Infrared Technology

**Q . What is it made off?**

Ans. Proprietary IR Technology, Galvanized sheet metal

**Q . How does it work ?**

Ans. Four-sided heating of the plates generates twice as much heat as similar heaters of the same power.

**Q . Is it safe to touch?**

Ans. Yes, it only reaches a maximum temperature of 80°C

**Q . Can IRHS be used as a centralized heating system?**

Ans. Multiple Heaters can be interconnected in relay and controlled by a single thermostat. Ideal for conference rooms / Hospitals / Restaurants / Hotels etc.

**Q . Can it be painted ?**

Ans. No, however we can customize images as per requirement

**Q . How is the heater installed?**

Ans. Wall / Floor / Roof

**Q . Where is this product manufactured? Is the manufacturer registered on GeM?**

Ans. We are an Original Equipment Manufacturer, and our products are proudly made in India. We are also registered on GeM.

**Q . Are IR heater certified ?**

Ans. Yes! we are ISO, GeM, MSME, CE, ROHS, GOST approved

**Q . Does IR heater maintain humidity?**

Ans. Yes ! it maintains the room humidity level as it does not consume oxygen

**Q . Can it run continuously?**

Ans. Yes, models above 800 watts come with automatic climate control for 24/7 operation.

**Q . How long does a heater typically last, and what kind of warranty does it usually come with?**

Ans. Up to 30 years or even longer, depending on maintenance.  
Warranties typically cover parts for 5 years.

**Q . Is this heater safe for children?**

Ans. Yes! Maximum surface Temperature does not exceed 80°C. However, we recommend parental supervision as with any electrical appliance.

**Q . Can it work on inverter / Solar ?**

Ans. Yes!

**Q . Does the IR heater prevent the air from becoming too dry?**

Ans. Yes! It maintains the room humidity level as it does not consume oxygen.

# MORE PRODUCTS

**Built for High Altitudes | Ready for the outdoors  
Stay warm 24x7**

**NEW**



## IRHS BODY WARMER-JACKET

**Power Source:**

DC - 5 Volts

**Precision Temperature Control:**

Maintains your desired temperature with high accuracy.

**Easy Installation**

User-friendly setup process for quick and effortless installation.

**Durable Design**

Built to last with high-quality materials, ensuring long-term reliability.



**IR Heater Panel**

**High Quality Belt**

**Power Bank Pocket**



**USB Cable**

## IRHS BODY WARMER - MAT



**For Sleeping | Resting | Lounging  
and many more....**

### Enhanced Comfort:

Provides warmth to the legs and lower back, improving comfort in cold environments.

### Versatile Use:

Heating pillows can be used separately as heated seats, ideal for use in vehicles or outdoor seating.

### Long Operating Time

The mat with two pillows offers up to 7 hours of continuous warmth from a single battery charge, and individual pillows can run for at least 15 hours.

### Safety Features

Equipped with a thermostat and automatic cut-off at +38°C to prevent overheating.

### Portable and Lightweight

Easy to carry, weighing approximately 2 kg, and powered by a portable battery via a USB cable.



**40 to 60 watts/  
12 & 24 Volt (0.5 cub m)**

**Auto cut | Save Energy | Fire Resistance**

## IRHS BATTERY WARMER

Power through the cold with our Battery Warmer, designed to maintain optimal performance even in the harshest conditions.

Utilizing infrared technology, it keeps your batteries warm, ensuring they function efficiently and reliably. Perfect for automotive enthusiasts, off-grid adventurers, and anyone who relies on batteries in freezing temperatures. The auto cut-off feature guarantees safety and longevity, making it an essential companion for winter resilience.

*Four-sided heating of the plates generates twice as much heat as similar heaters of the same power*