

# heat innovations

Heating your planet without heating our planet

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**iHelios** **LIVING**  
REINVENTED

**WE CAN DESIGN THE SYSTEM, CUSTOMISE DEVICES AND  
PROGRAM IT FOR YOU  
TO SAVE TIME AND MONEY**

**ACCESS PROTECT SECURITY AUTOMATION  
TEMPERATURE CONTROL ENERGY**

**TAKE BACK FULL CONTROL OF YOUR PROPERTY**

A decorative graphic consisting of several overlapping, semi-transparent orange curved shapes that form a partial circle on the left side of the slide.

# iHelios Heating System



## Regular size

Width	300mm	500mm	1000mm
Power /lm	65W	110W	220W



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## Carbon Film Heater

- Application:** Hotel, Commercial, Household
- Power Source:** Electric
- Heating Element:** Carbon Fiber
- Installation:** Ceiling, Floor
- Function:** PTC Overheat Protection
- Use:** Residential, commercial
- Surface temperature:** -60°C
- Material:** Carbon heating film
- Energy transfer ratio** 98% DEMO VERSION
- Voltage:** 220V-240V/110V-120V
- Warranty** 20 years

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# ENERGY

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Set eco scenes to turn off devices when they are not needed.

Room temperature can be set to automatically adjust according to outside temperature and room occupancy.

Meter reading can be monitored through the Living Reinvented App.

All devices can be turned on/off remotely.



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## SENSORS

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### TECHNICAL SPECIFICATION

Product Dimension "57\*27\*13 mm (Body)  
35.5\*11.5\*13 mm (Magnet Part)"  
Net Weight 17.4g  
Material ABS  
Flame Fetardance UL94 V-2  
Ingress Protection(IP) IP20  
Electrical Specification  
Power CR2032 x 2 (included)  
Input Voltage DC 3V  
Net Standard IEEE 802.15.4/ZigBee  
Wireless Frequency 2.405-2.480GHz  
Battery Lifetime 1.5 Year (trigger frequency: 5 times a day)  
Connection Range (open area) 10<sup>~</sup>35 meters indoor and  
more than 70 meters in open air  
Working Temperature -10<sup>~</sup>35<sup>~</sup>C  
Working Humidity 0<sup>~</sup>95<sup>~</sup>RH (non-condensing)



### TECHNICAL SPECIFICATION

Power CR2032 x 1 (included)  
Input Voltage DC 3V  
Net Standard IEEE 802.15.4/ZigBee  
Wireless Frequency 2.405-2.480GHz  
Battery Lifetime 1 Year (trigger frequency: 5 times a day)  
Connection Range (open area) 10<sup>~</sup>35 meters indoor and  
more than 70 meters in the open air  
Working Temperature -10<sup>~</sup>C +35<sup>~</sup>C  
Working Humidity 0<sup>~</sup>100<sup>~</sup>RH (non-condensing)  
Product Dimension 40.1\*40.1\*10.9 mm  
Net Weight 9.6g  
Mechanical Specification  
Material ABS



### TECHNICAL SPECIFICATION

Power CR2450 x 1 (included)  
Input Voltage 3V  
Detection Angle 110<sup>~</sup>  
Net Standard IEEE 802.15.4/ZigBee  
Wireless Frequency 2.405-2.480GHz  
Battery Lifetime 1 Year (trigger frequency: 5 times a  
day)  
Connection Range (open area) 10<sup>~</sup>35 meters indoor  
and more than 70 meters in open air  
Working Temperature -10<sup>~</sup>C +35<sup>~</sup>C  
Working Humidity 0<sup>~</sup>95<sup>~</sup>RH (non-condensing)  
Product Dimension 40.1\*40.1\*10.9 mm  
Net Weight 9.6g  
Mechanical Specification  
Material ABS  
Flame Fetardance UL94 V-2  
Ingress Protection(IP) IP20



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# SENSORS

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### TECHNICAL SPECIFICATION

Product Dimension 61.9\*61.9\*21.1 mm  
Net Weight 149.5g  
Mechanical Specification  
Material ABS  
Flame Retardance UL94 V-2  
Ingress Protection(IP) IP67  
Electrical Specification  
Power CR2032 x 1 (included)  
Input Voltage DC 3V  
Net Standard IEEE 802.15.4/ZigBee  
Wireless Frequency 2.405-2.480GHz  
Battery Lifetime 1 Year (trigger frequency: 5 times a day)  
Connection Range (open area) 10-35 meters indoor and more than 70 meters in the open air  
Working Temperature -10C  $\leq$  +35C  
Working Humidity 0  $\leq$  100RH (non-condensing)

### TECHNICAL SPECIFICATION

Product Dimension 40.3\*40.3\*11.4 mm  
Net Weight 11.7 g  
Lanyard Length 19 cm  
Mechanical Specification  
Flame Retardance UL94 V-2  
Ingress Protection(IP) IP20  
Electrical Specification  
Power CR2032 x 1 (included)  
Input Voltage DC 3V  
Net Standard IEEE 802.15.4/ZigBee  
Wireless Frequency 2.405-2.480GHz  
Battery Lifetime 1 Year (trigger frequency: 5 times a day)  
Connection Range (open area) 10  $\leq$  35 meters indoor and more than 70 meters in the open air  
Working Temperature -10C  $\leq$  +35C  
Working Humidity 0  $\leq$  95RH (non-condensing)

### TECHNICAL SPECIFICATION

Product Dimension 128.3\*128.3\*40.5 mm  
Net Weight 149.5g  
Material ABS+PC  
Flame Retardance UL94 V-2  
Ingress Protection(IP) IP20  
Power 2\*1.5V AAA alkaline battery  
Input Voltage DC 3V  
Sound Volume 85db (1 meter away)  
Net Standard IEEE 802.15.4/ZigBee  
Wireless Frequency 2.405-2.480GHz  
Battery Lifetime 1 Year (trigger frequency: 5 times a day)  
Connection Range (open area) 10  $\leq$  35 meters indoor and more than 70 meters in open air  
Working Temperature -10C  $\leq$  +35C  
Working Humidity 0  $\leq$  95RH (non-condensing)



# Thermostat

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## TECHNICAL SPECIFICATION

Power supply: 95 W 240 VAC, 50 Hz 60HZ Current load: 16A

Sensor: NTC

Accuracy: +/-0.5 C or 1 +/- F

Set temperature range: 5-35 C

Display temperature range: 5-99 C

Ambient temperature: 0-45 C

Storage temperature: 5-45 C

Power consumption: DEMO 1.5W

Timing error: DEMO

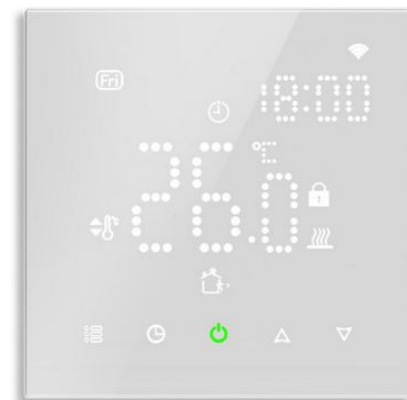
Shell material: PC+ABS (flame retardant)

Installation box: 86\*86mm square or European 60mm round box

Wire terminals: Wire 2 x 1.5mm or 1 x 2.5mm<sup>2</sup>

Protection class: IP20

Buttons: Capacitive touch buttons



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# TEMPERATURE

## Temperature Control

Enable comprehensive temperature and energy management all year round, by giving remote control of temperature to your residents and staff. Use the Living Reinvented App to control the iHelios Heating System energy output through both directly controlling and automating thermostat control in order to reduce costs and make for greener living spaces.

## Save energy

Open window detection automatically switches off the thermostat when open windows are detected.

Weather adaptation won't allow overheating management regarding outside temperature.

A smart schedule creates time schedule. Manual and programming modes are available. Multi-zone control will allow you to never heat an empty room again.

Lock function setup which won't allow anybody to change your settings.







# Smart Control Panel 8"

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## TECHNICAL SPECIFICATION

### Technical Specification:

Dimension 200mm\*124.59mm\*37.7mm

CPU RK3566 Quad-core Cortex-A55 up to 1.8GHz

System Android 11

RAM 2G

Rom 16G

Display

Display size 8 inch

Resolution 800 x 1280

Touch Panel 5 points capacitive touch panel, IPS

Brightness 300nit

Active area 120.96(L)\*68.04(W)mm

Network WIFI 802.11b/g/n, Bluetooth BT 4.0, Ethernet 10M/100M, I/O ports RJ45

Ethernet interface input (RJ-45 cable support POE function)

TF Card Yes

USB Type C

RS485 A,B

Reset Built- in

Restart Built- in

Power supply DC 12V POE



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