

ShadowSmart INFRARED HEAT CONTROLLER

The ShadowSmart Infrared Heat Controller is an advanced control solution designed for the effective management of infrared heating systems within enclosed and semi-enclosed environments. Developed by Shadow Infrared Heating, ShadowSmart provides precise and reliable control of infrared heat output, supporting efficient operation across a wide range of building types and internal spaces.



Features

Time Lag Compatible

A time lag switch allows your infrared heater to stay on for a set period of time. Instead of the heater turning off immediately, it runs for a short, adjustable time before shutting down automatically.

PIR Compatible

Automatically switches heaters ON and OFF by detecting people in a defined area. This ensures heaters only run when needed, reducing energy use and running costs.

Manual PIR

Only active when manually enabled and switches off after a set time. This prevents incidental movement from triggering the system, gives greater control over heating duration, and helps reduce energy use in busy areas.

Countdown Timer

Allows heating to run for a set time, adjustable from 10 minutes to 8 hours.

Extensive Zoning Capabilities

Supports advanced zoning with up to 20 independently controlled zones, each capable of operating a large number of infrared heaters (subject to system capacity).

Heater Feedback

The ShadowSmart Infrared Heat Controller provides detailed real-time feedback to support effective system monitoring and operation. The interface displays the current ON/OFF status of connected heaters, the percentage of power output being delivered, and a clear overview of zone performance, allowing users to quickly assess heating activity across the system and make informed control adjustments where required.

Technical Details



Power Input

5V=1A

Weight (kg)

0.132

Connectivity

WIFI (for system updates)

Install

Wall mounted or
Freestanding

Product Height

97 mm

Product Width

93 mm

Product Depth

18 mm

Display

3.95 inch Capacitive RGB
Touch Screen

Power Cable Type

USB-A to USB-C

Power Cable Length

1m

Working Temperature

-10°C to 50°C

Warranty

1 Year

(warranty does not cover accidental damage or general wear and tear)

The ShadowSmart Infrared Heat Controller operates in conjunction with ShadowSmart Infrared Heat Receivers, which provide the switching and control interface between the controller and connected infrared heaters. Receivers are available in 6 kW and 12 kW variants, allowing the system to be configured to suit a wide range of heater outputs and installation requirements.

This modular controller-and-receiver architecture allows ShadowSmart systems to be expanded or adapted as requirements change, providing a flexible and professional solution for managing high-power infrared heating installations.