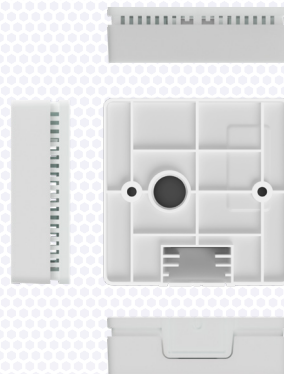


irus PRE2000CU4 - ControlSensor

Thermostatic Control Unit and Multi-Sensor



Top, side, bottom, and rear elevations of mounting plate and ControlSensor unit.



The Prefect Irus ControlSensor provides easy control of room temperature and monitoring of environmental conditions.

A dedicated **ControlSensor**, connected to a Power Unit, controls heaters installed within individual rooms. It also provides a conduit for other Bluetooth® accessories to connect to the Irus Portal.

The 57.6 x 43.2mm touch screen displays an intuitive interface for the control of individual heat sources. The screen has the capacity to display messages from the portal. The brightness is dimmable to 0% to suit occupants' preferences.

When the UP button is touched, heat input to the room is increased. Depending on the profiles set on the portal, the room temperature will rise from the current temperature, through an intermediary state (or states), to Boost, which has an associated time frame. When Boost Duration Time elapses, heat input returns to the level of the previous state.

In addition to temperature, **ControlSensor** monitors humidity (%), sound pressure (dB), and light (lux). An CO₂ sensor can be integrated as an optional extra.

The integrated microwave sensor monitors occupancy and can be set to detect either presence or absence. Window-open technology recognises a sudden drop in temperature and adjusts heat input accordingly.

ControlSensor can accept external temperature inputs and contacts—for example, external temperature sensors, meters, or door card switches.

Key features

- Temperature detection and control
- Integrated microwave detector with presence or absence detection
- Humidity detection
- Decibel noise meter
- Lux light level detection
- Open window detection software
- User LCD touch screen
- Mains borne signalling technology
- PRE2000CU4 control unit utilises SELV at 12VDC
- Remote access to individual room nodes
- Bluetooth® connectivity for use with irus accessories
- Maintained software - automatically updated remotely
- 5-year warranty

Data gathered by **ControlSensor** is sent to the Irus Portal, where it can be viewed in real time, but is also stored for future analysis. Exceptional levels (temperature, humidity, sound, etc.) can be programmed to trigger alerts that are sent via SMS or email to authorised personnel.

The control unit is a standard single gang plate size. The mounting plate, which hastens installation, can be mounted to the wall with or without an electrical back box. To prevent tampering, it can only be dismantled using a key. The mini-trunking inlet enables direct fitment of 16 x 16 mm or 16 x 25 mm PVC trunking, removing the need for back boxes and adapters.

For the convenience of room occupants and personnel, **ControlSensor** software is maintained, updated, and managed remotely.

Due to our policy of continuous improvement, we reserve the right to change specifications without notice. All information was correct at time of when this product file was produced - July 2025