

# HEATING MANAGEMENT SYSTEM FOR 1,000 ELECTRIC RADIATORS

New 2022-2023

## AT A GLANCE

### Problems

- All commercial buildings will need a state of the art BMS system to control, manage and reduce heating costs.

### Solution

- IntelliHeat have a bespoke system that can be installed into any large building, which will manage up to one thousand radiators.
- This means that large office complex's, hospitals, hotels and multi-site companies can now reduce their energy costs by at least 30% by using our cloud-based, fully secure dashboard management system that controls every radiator *individually by one manager* from ANYWHERE in the world.

## INSTALLATION PROCESS

Our Heating Management System can be installed easily into any building. Each radiator has its own wi-fi connection straight to the secure dashboard; therefore there is no need for wires, thermostats, drilling or structural changes to listed buildings, and there's no need to close the building for installation. Our expert and fully trained commercial installers can install while you remain open and operational.



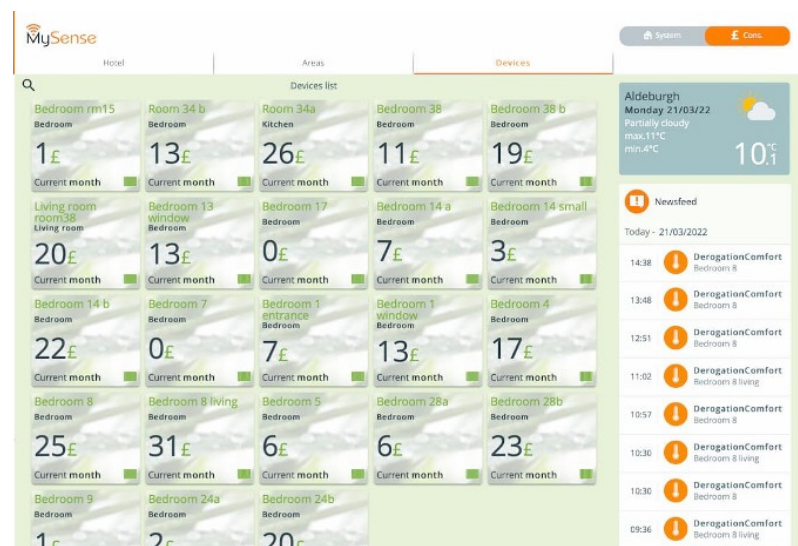
## HOW DOES IT WORK?

Every radiator has its own Wi-Fi connection to the dashboard where the dashboard management system can turn on, off, up, or down, every single radiator in any room and any building in any location.

This means that if you have premises in ten cities, with one hundred radiators in each, you can control and manage ALL OF THEM using one person logging onto the dashboard from any location in the world that has a Wi-fi connection.

## SAVING TRAVEL TIME

If any fault develops in any of the radiators, the dashboard will tell you exactly what is wrong, in which building, floor and room; and most of the time it can also be fixed remotely without the need to send a man all the way to Manchester or London to look at the problem. Often, it is a user programming error, which can be resolved immediately from the dashboard. In turn, this reduces carbon emissions as practitioners do not have to travel in to fix an issue.



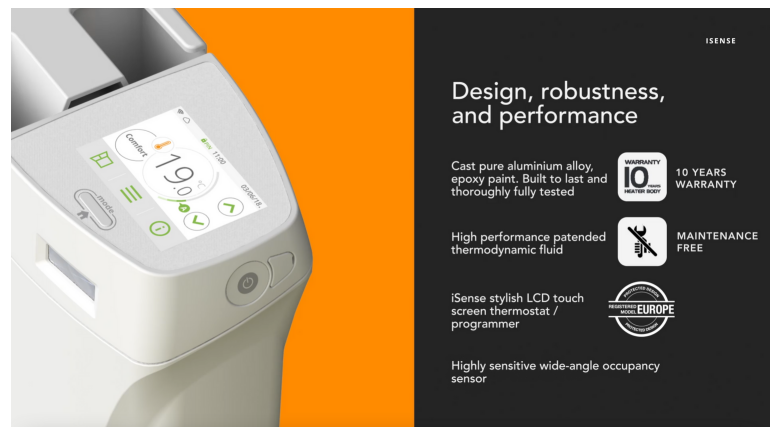


## COUNTRYWIDE, REGIONAL AND SITE CONTROL VIA BMS CLOUD BASED PLATFORM

Control each individual Radiator with in-built features to minimise energy waste. Heating empty unoccupied spaces wastes money and energy. Restrict heating zones via programmable scheduled times, presence detection, measure and reaction to windows or doors left open automatically. With measurement comes infinite control this platform is fully controllable via the cloud showing real time values with data gathering to give real time savings. Automation optimisation; the system learns the heating needs of all your buildings by the habits of the staff within your organisation.

In the past the average heating system began with one or two zones for a given building. However, today's advanced technology allows for multiple zones considering the individual needs of different areas of your building. With room-to-room heating comes more potential for energy savings.

A real interface between you and your home with 3 levels of global view offered



## NEW LEGISLATION PART L1 AND 2

Legislation part L 1 and 2 requires all new buildings in England and Wales to produce 31% less CO2 emissions on the current SAP model to meet full compliance.

*From 15th June 2022, this new rule requires a 30% reduction in carbon when compared to 2013 Part L standards, therefore, the construction of new dwellings must comply with the increased energy performance standards as set in the new regulations.*

**Approved Document Part L1A:** Covers the requirements for new buildings to be energy efficient, and individuals responsible for building work must ensure that the building complies with the requirements provided within this document.

**Approved Document Part L1B:** Covers the requirements for renovations and extensions to existing buildings to be energy efficient. It recognises that it is not always possible to meet new build standards, but the regulations state that if a thermal element (roof, wall or floor) is being replaced or renovated then it must be done to Part L1A standard.

# HEATING MANAGEMENT SYSTEM IN MULTI ROOMS OCCUPANCY?

The MySense Heating Management System zoning options allow grouping by rooms or floors with ease, use the built-in heating plans to create a comfortable environment. The efficiency of a heating system is greatly increased by dividing the building into distinct heating zones covering different heating needs. In most cases there is no need to heat certain rooms during the day, when they are not in use, or to run the whole system at the same temperature.



Unique and revolutionary interface

Fully controllable LCD touchscreen thermostat programmer

State of the art electronic thermostat accurate to +/- 0.1° C



State of the art, advanced electronics components

PID technology

STABLE AND ACCURATE ROOM TEMPERATURE

OTA microprocessor  
Connected to the IOT, scalable, and adaptable control for up to 1000 rooms

Remote update

SCALABLE SYSTEM TO BETTER AND ADAPT TO NEEDS

Permanent secured cloud settings backup

ACTIVE MEMORY

## ZONAL HEATING

IntelliHEat and Cool-Technology are the connected Electric heating specialists, and by switching to smart heating, you can let your energy savings pay for your new heating!

- Make use of appliances that are of a higher efficiency than a gas boiler heating system or old inefficient storage panels, storage heaters.
- Reduce the total area being heated by breaking it into smaller more focussed areas.
- Efficient heating by reducing time, drop comfort level by set degrees when room not occupied via in-built proximity sensor.

Wireless heating controls, combining eco-design room thermostats and WiFi heating programmers offer greater, and more accurate control of your heating system.

## INSTALLATIONS

Typical Heating Management installations that we maintain and monitor are:

- Local Authorities & Councils
- Business Offices & Retail Outlets#
- Schools & Educational Facilities
- Large students accommodations, bedsit
- Hotels Heating Management
- Leisure Centres
- Commercial Properties
- Multi Site Retail Outlets

Did you know that choosing to install smart controlled wi-fi radiators can reduce your electricity costs by up to 40%?



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Energy saving features for guaranteed comfort and reduced energy consumption



ISENSE



OPEN WINDOW  
DETECTION



PIN CODE  
LOCK



GAUGE AND ENERGY  
CONSUMPTION  
INDICATION



SETTING  
TEMPERATURE  
LIMITATION



WEEKLY AND DAILY  
PROGRAMMING



CHILD  
ANTI-TAMPER



PROGRAMMABLE  
HOLIDAY MODE

Reducing heating costs with energy saving features



BOOST MODE

Designed specifically according  
to the key principles of  
**Ecodesign Lot 20**

Electric Radiators from IntelliHeat are made from high grade aluminium – the best metal for conducting heat. They have a patented Thermodynamic fluid inside that heats up in minutes and causes the whole surface of the radiator to RADIATE heat into the room, when YOU decide you want it, and to YOUR chosen temperature.

