Automatic Heating Control Solutions for your student accomondation

About Us

The first Genius heating control system was launched in 2013, receiving rave reviews in national magazines and newspapers. Since then, our smart control solutions have been providing efficient and reliable heating control in thousands of properties, controlling tens of thousands of zones, including hotels, student accommodation, offices, churches, nursing homes, schools and childrens' nurseries.

We estimate that our customers are saving in excess of 6.8MWh every year - that's enough energy to keep over 77,000 typical LED light bulbs burning constantly for a year. To date, our technology reduces CO^2 emissions by over 1,360 tonnes per year, and saves our customers over £480,000.

Our products are designed and manufactured in Birmingham UK by our dedicated team of software and electronic engineers. Our partners include industry leading hardware providers such as Danfoss and Horstmann. We work with hotel chains, national M&E companies, housing associations and local authorities to provide efficient, reliable and user friendly heating controls for their properties.

All any room needs to get up to a 38%* saving is:

Genius Radiator Valve

Electric Switch

Genius Room Sensor

*** Resource Efficient Scotland quote that the Genius Hub has a potential saving of up to 38%**

"I love the fact that it has an app, so I don't have to go on my laptop, or even visit the property in some cases. I love how I can set it up and forget about it. After it was first installed there were a few comments from the tenants, as one would expect, but after a few weeks they had all forgotten about it."

Paul Million, Multiple HMO owner

Real Property UK

Bernard Sampson

"In the first year, I wasn't sure whether the automatic mode would cope with the students' erratic schedules so I just set up timers for each room. That saved 16% energy compared to the previous year. But in the second year, I swapped it into the automatic 'footprint mode' and last winter it saved me 22%. Not bad - but still, it's more for the peace of mind that I won't suddenly get a massive gas bill."

Bernard Sampson - Manchester

Electric Heating

Genius Hub also works with existing electric heating. If you have older electric heaters with only manual time and/or temperature controls on them, and subsequently they are often left on when the room is empty, Genius Hub have the solution for you.

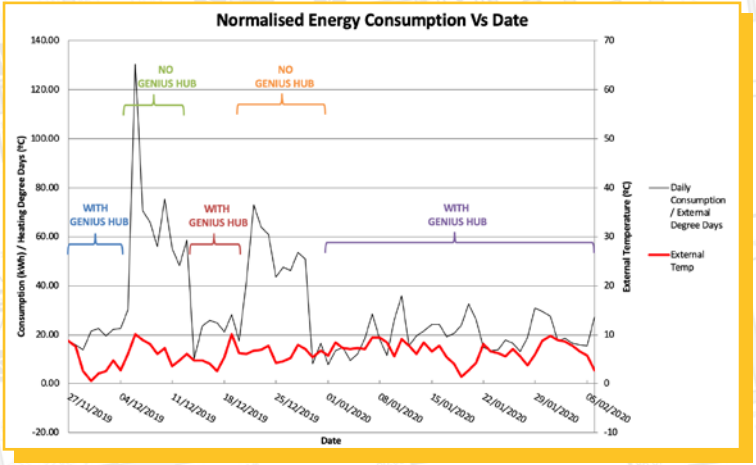
We can lock out the local control on the heaters themselves and replace this with an easy to understand 'press to boost' button next to the heater, and/or an easy to read wireless room thermostat on a wall in the room. Users can see the temperature in the room and adjust it from the push to boost button or the wall thermostat. All of the control of your existing heaters can now be managed from a computer or the smartphone app, with no requirement to change the heaters themselves.

We can also supply two styles of electric heaters to any project, giving an updated modern look and very reliable solution for electric heating. Ideal for most commercial buildings; our Infrared electric radiators often go at a high level and heat the people and the fabric of the building not the air. Alternatively for smaller spaces such as hotel rooms, student accommodation, holiday homes, domestic dwellings and garden offices, we have panel heaters which heat the room using the gentle convection of air. Heaters are made of pressed steel with an anti-corrosion powder coating resistant to moisture and high temperatures. They use a low temperature stainless steel element so they can also be used in wet rooms.

We have proven, through robust statistical analysis of ten weeks heat energy data, a saving of 64% when comparing the original heating schedule with an occupancy schedule at The Belfry Hotel & Resort. During the period of the trial it was reported that the number of complaints regarding the heating reduced compared to before the Genius Hub was installed.

"We were extremely pleased to calculate that the Genius Hub has saved us 64% off our heating costs meaning that the system has about a two year payback on the cost of installation. The system significantly reduces confrontation at the reception desk and the number of refunds we have to give out for rooms too." **Mick Goodreid - Chief Engineer**

The results have been presented on the right to show a timeline of energy usage, both 'With Genius Hub' and 'No Genius Hub.'



Total average savings = 64%

Working with T Clarke

"Working with Genius Hub on projects has been excellent. They provide us with all of the project specific installation documentation in a clear and easy format, so we can complete the jobs on time for our clients. The free onsite training Genius Hub provided for our electricians and heating engineers was really helpful, and makes the installations go very smoothly - this also means there is very little snagging to do post commissioning. We'd be really happy to recommend them, we also now recommend Genius Hub control to our existing clients as it's excellent value, reliable and very easy to install."

John Russo - Project Manager

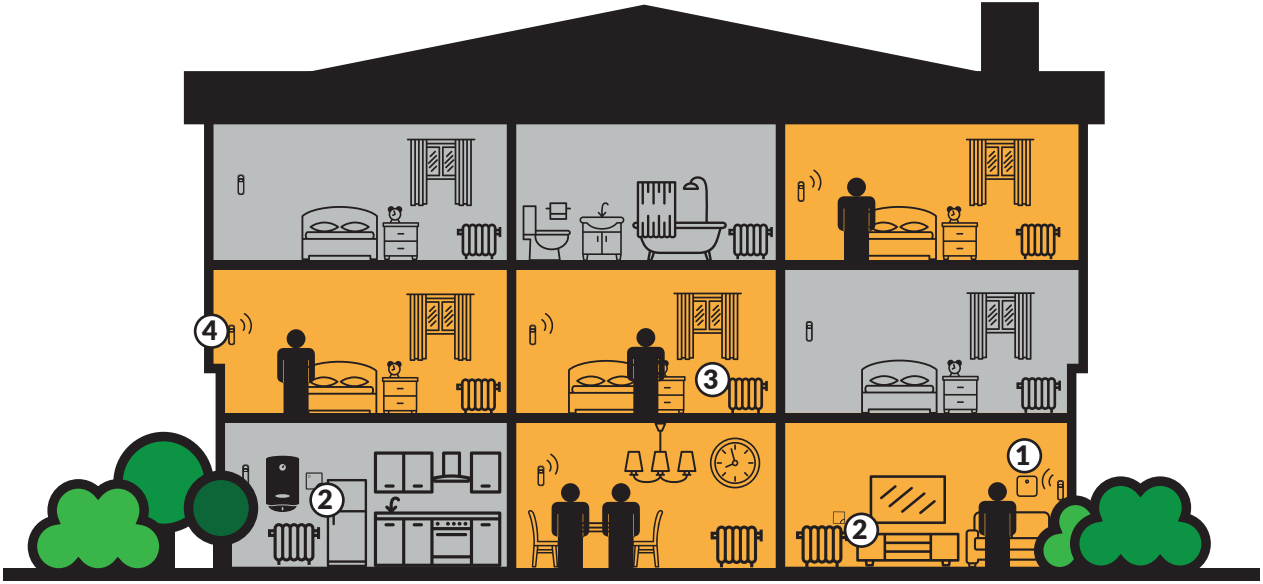
Cut heating costs and keep the users of the building comfortable

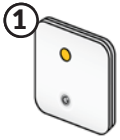
Genius Hub allows you to reduce energy consumption by automatically turning down the heat in empty rooms. The system will reduce your energy bills and keep the users of the rooms comfortable, without you needing to adjust anything.

With Genius Smart Occupancy Detection rooms can trigger the heating automatically when someone arrives; this allows the room to be kept at a lower temperature when unoccupied. Users can easily adjust the temperature, and the system will reset automatically. Optionally, you can also turn vacant rooms off completely from your computer or the smartphone app, without having to visit the room at all.

An independent study by **Resource Efficient Scotland** estimates that the Genius system has a potential saving of between 23% and 38%. The Genius Hub will pay for itself in the heating cost savings it makes.

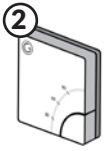
Genius Hub - Installation





Genius Hub

Connects the devices to the internet, allowing remote control from anywhere



Electric Switch

This switch is connected to the boiler or Building Management System (BMS) and is wirelessly controlled by the Hub when zones are requesting heat. This switch can also wirelessly control the temperature of new or existing electric heaters in the property

Genius Radiator Valve

Allows each radiator to be controlled automatically and can also be manually adjusted by tenants for a temporary boost

Genius Room Sensor

Automatically turns up heating when tenants arrive and down when they leave

Benefits of professional installation with zero disruption

1. Wireless mesh network with a range extender in each room ensuring trouble free connectivity.
2. Room sensors detect when a room is occupied and automatically adjust the heat to the preferred temperature as set on the app.
3. Discreet wireless room sensors with built in thermometers stick to the wall with pads or screws.
4. User friendly application on your mobile/tablet or pc. You can monitor the whole heating system from one place, including temperature control, battery levels and room occupancy.
5. Better management, greater comfort and fantastic control of heating means cost savings without compromise.

Easy to set up & adjust

It takes minutes to set up for the first time and only seconds to adjust the schedule or the temperature. To make it even easier, you can copy your settings between days and rooms.

Remote control

Wherever you have internet access you can check your heating as the Genius Hub can be controlled from a computer, tablet or smartphone using our free app.

Open window detection

The Genius Radiator Valve detects when a tenant of the room has opened a window and turns off the radiator automatically.

Support throughout

Our installation teams provide rapid and professional installation and on-site support across the UK. In addition, our (national) HQ in Birmingham provides telephone technical support, offering rapid solutions to issues and questions.

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