



# Intelligent Boiler Controls

- Energy-saving retrofit device
- Cuts fuel consumption by **15–30%**
- Payback in less than **2 years**
- Only product of its kind certified by the Building Research Establishment

## **SPECIALIST IN RETROFIT TECHNOLOGIES**

Energys Group is a well-established specialist in low-carbon retrofit technologies. It offers clients ‘best in breed’ solutions, selected for their exceptional performance and rapid payback periods.

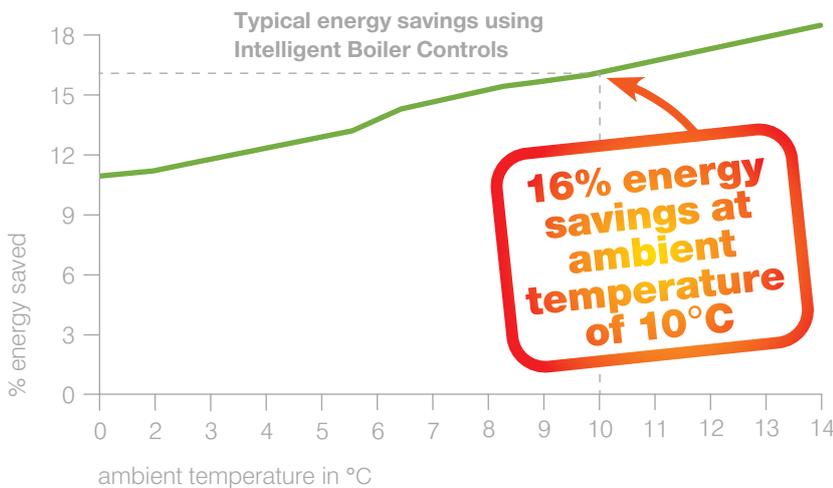
Energys’s award-winning lighting converter, ‘Save It Easy®’, is recognised as the leading retrofit T5 solution. The company has now widened its portfolio to include supply and turnkey installation of the ‘best in breed’ market solution for inefficient boilers.



# Intelligent Boiler Controls

**Intelligent boiler controls improve the efficiency of your boiler, without affecting the temperature of the building. This simple, retrofit upgrade unlocks instant carbon savings and lowers your fuel bills.**

## Intelligent Boiler Controls Performance Chart



### BRE testing

Room temperature 0°C = energy savings of 10%.

Room temperature 10°C = energy savings of 16%.

## BENEFITS

### Financial savings

The upward trend of fuel prices is likely to continue, but improving the efficiency of your boiler can secure on-going savings on your fuel bills. As a result, payback on intelligent boiler controls is normally achieved in less than two years.

### CO<sub>2</sub> savings

Whether you're liable under the Carbon Reduction Commitment, aiming to improve your Display Energy Certificate, or racing to meet CO<sub>2</sub> targets, boiler controls can help you to reduce your carbon impact.

### Setting the standard

Our intelligent boiler control technology is the only one of its kind to have received the Certification of Performance by the Building Research Establishment (BRE) – CFP 348.

## HOW DOES IT WORK?

### Reduce needless cycling

Intelligent boiler controls reduce the number of times a boiler 'cycles'. This, in turn, reduces the overall 'burn' time. By reducing the number of times a boiler fires up, it is possible to reduce the wasted oil or gas due to incomplete burn at start up.

### No change to heating levels

Because intelligent boiler controls simply eliminate a source of energy waste, the temperature of the building is not affected.



## WHY IS IT DIFFERENT?

### Save fuel in all weather

Other boiler control systems, such as anti-dry-cycling and temperature compensation, only operate under light load conditions. This technology saves energy no matter how cold the room temperature or how heavy the boiler load.

### Download a savings report

To see how much energy you are saving through the intelligent boiler controls, you can download a 'Savings Report', which compares the results of the unit being 'in' and 'out' of circuit on a continual basis every 50 cycles.

## IS MY BOILER SUITABLE?

Intelligent boiler controls are best suited to boilers that are:

- Floor-standing
- 50kW or above
- Gas – or oil – fired

This includes:

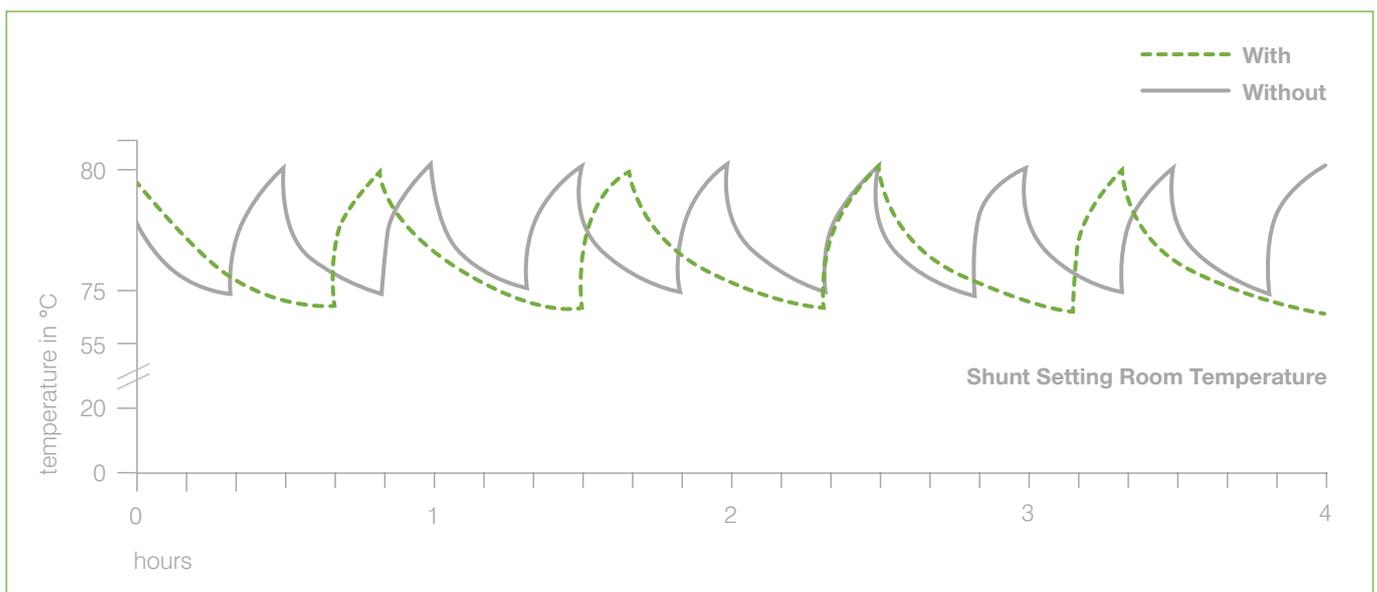
- Forced draught burner boilers up to 2MW
- Two-stage firing boilers (HiLo)

## IS IT COMPATIBLE WITH MY BUILDING CONTROL SYSTEM?

Intelligent boiler controls can be fully integrated with:

- Building Management Systems (BMS)
- Compensating Temperature Systems
- Optimising Systems

## Intelligent Boiler Controls in action



The boiler's cycles over a 4 hour period are reduced from 8 to 5, and the overall 'burn' time is reduced from 80 to 62 minutes.

**Result:** fuel saving of 22%.



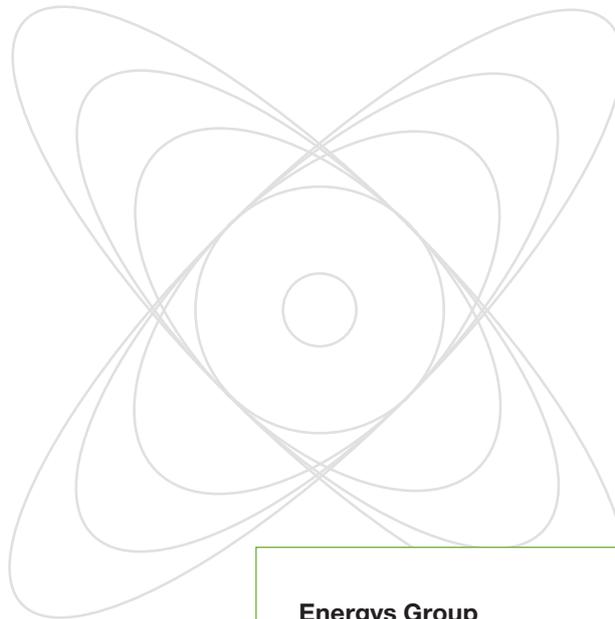
## Energy Savings with Intelligent Boiler Controls

	Without Intelligent Boiler Controls	With Intelligent Boiler Controls
Number of cycles	8	5
Individual burning time	10 minutes	12.4 minutes
Total burning time	80 minutes (33% of 4 hours)	62 minutes (26% of 4 hours)
Saving	-	<b>22%</b>

### INSTALLATION, MAINTENANCE AND SUPPORT

As one of the UK's biggest suppliers and installers of boiler control technology, Energys Group is able to deliver full 'turnkey' solutions covering installation, maintenance, monitoring and support.

Our turnkey service includes supply and installation as a single package. In addition, we offer a 5 year warranty on both the product and installation.



#### **Energys Group**

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