

HEAT SOLUTION SAVES MONEY FOR SCHOOL



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PROJECT DATA
The Downs School
Compton, Berkshire
Installation of Stiebel Eltron ETS and ETC storage heaters

CONSULTANT
Pro-Air Ltd
Reading

CONTRACTOR
Scottish & Southern Energy

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ENERGY EFFICIENT STORAGE HEATERS



The ETC static storage heater gives real freedom of choice for installations

Stiebel Eltron electric storage heaters are helping to slash energy bills at a Berkshire school.

A range of ETC static and ETS dynamic storage heaters were installed in two classroom blocks at The Downs School in Compton, to replace an inefficient and energy wasting system.

Running through a centrally controlled system, the ETC heaters provide a constant temperature of 18 degrees celsius, with the option to boost this up to 21 degrees celsius through an ETS heater installed in each room.

The central control means that classroom occupants cannot tamper with the heating.

Stuart Doggrell, National Sales Manager for Stiebel Eltron UK, helped to design the system.

He explained: "The specification was to replace direct acting panel heaters that were left permanently on, with people in the classroom able to turn the heating up as high as they wished. If it got too hot, windows were opened to dissipate the heat, therefore wasting energy and money.

"The school wanted the classrooms at a constant 18 Degrees Celsius, but with the option to boost it up to 21. The solution to this was to use the ETC static heaters to provide the bulk of the heating, while the ETS dynamic could be used to provide the boost if needed.

"We worked closely with the consultants Pro-Air Ltd in Reading to come up with this system. Originally we looked at using just the ETS heaters, but by combining them with the ETC heaters we could offer a more cost effective solution.

"Our product mix fitted the bill and we could show demonstrable running cost savings.

"In addition, the individual heater controls could be isolated and controlled via a central thermostat and time clock as fitted by the main contractor Scottish & Southern Energy.

"This was all connected to a Stiebel Eltron EAC4 weather compensator with back-charge.

"This calculates how many hours the panels need to charge, giving access to heat when it is needed and thus conserving energy. The weather probe is mounted on a north facing wall to give accurate results. This gives a potential saving of around 15% compared to standard automatic storage heaters."



Stuart Doggrell:

"Our product mix fitted the bill. We could show real and demonstrable cost savings as well as energy efficiency."



ETS storage heaters: Top performance, small footprint

ETC storage heaters have a particularly slimline design so you can fit them in anywhere.

Pleasant heat is primarily radiated via the surface with a low convective component.

There are versions with manual and automatic charging. These appliances are equipped with simple controls at the front.

ETS storage heaters are designed to bring you top performance on an extremely small footprint.

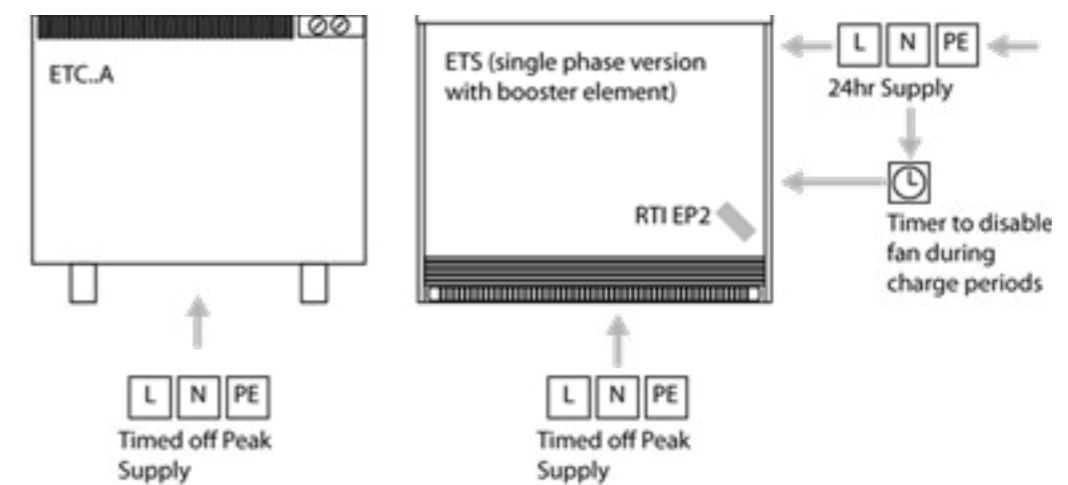
The high-grade thermosolid insulating technology provides a considerable heat retention capability.

It ensures that the heater gives off its heat when it is needed. A highly efficient storage core keeps the capacity required for heating on standby.

The connected room temperature controller comes into play when the actual room temperature falls below the required level.

The fan then blows a pleasant level of warmth into the entire room - almost silently. The device can be charged manually or centrally via the charge controller.

The ETS casing is made from painted sheet steel. Its compact dimensions save space and make this storage heater extremely easy to install and service.



This schematic demonstrates how the heaters combine in a single-room installation