#ThinkSmiths

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Smith's
A Swan Group Company

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NEW PRODUCT:

Caspian Smart Control

Smith's Caspian Fan Convectors now available with new Smart Control

We have launched Smart Control for our market-leading range of Caspian fan convectors

Smart Control features the most commonly sought control features in one unit. At the basic level it offers room temperature control and additionally offers a range of time controlling features too, making it perfect for buildings that serve a varied community demand.

Smart Control can automatically control the fan speed of the Caspian fan convector, adjusting it in relation to the air temperature in the room providing a fast heat up period when required, and the quietest possible operation during occupied periods. Smart Control features a summer mode where air circulation can be achieved without heat in summer months. There is a manual override facility too.

It is possible to have master and slave Caspian fan convectors that integrate the entire range of EC Caspian products. The thermostats can be used as standalone localised controls, or with the integration of our hub control multiple thermostats using our ZigBee platform and controlled via app over the internet. This level of control is cost effective and is far more economical than using a full BMS system.

Technical Support

It can be difficult to assess the requirements for a buildings control strategy, so Smith's Technical Support Team will help guide you through, with proposals for your project.

Where drawings can be provided, a desktop exercise can be undertaken to specify the required components, but we are happy to attend site too.

We have taken great care to ensure we have partnered with the best possible providers and have undertaken various site tests in public buildings.

Smith's can bring experience to your project and assist in conveying the many benefits to your customers.

The control interface unit can be:

wall mounted (remote) for convenience, for example, where the heater is at high level

flush mounted in the product fascia

internally mounted (tamper-proof)

FOR MORE INFORMATION

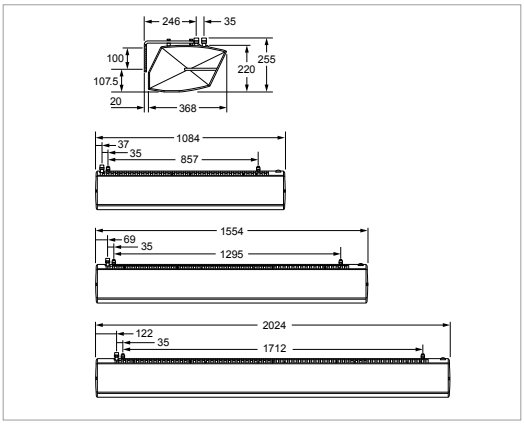
NEW PRODUCT:

Ostro Air Curtains

Ostro is a range of commercial air curtains designed for use in larger commercial spaces such as production premises, workshops, warehouses, logistics centres and sports facilities

Available in 3 versions – W hydronic, E Electric and C Ambient, Ostro air curtains protect against heat loss in rooms by directing a warm air stream across doorways preventing cold air from entering the heated space. In summer, the air curtains can be used as cooling devices to prevent the entry of hot air and pollutants from the outside.

With heat outputs of up to 40kW for the hydronic version and up to 14kW for the electric version, and low noise levels when run at maximum fan speed of only 61dB Ostro is a solution for many applications. Ostro is equally suitable for single installations as well as integrating into a full BMS.



FOR MORE INFORMATION

CASE STUDY:

Plantasia

Plantasia is a landmark in Swansea, since 1990 this indoor Botanical Gardens has provided a fantastic destination for young and old

With over 25,000 school children visiting every year it provides a valuable educational resource for the Swansea region. Plantasia has a wide array of both exotic plants and animals that are very sensitive to their environment.

As part of an investment to improve the attraction a new heating system was required. The indoor temperature must remain above 22°C to protect the fragile flora and fauna. A job made even more difficult by the fact that the whole of the space to be heated was a glass pyramid. The glass walls are 4mm thick, so the insulation is pretty ineffective. However also needing to be considered was the fact that even if the outside temperature was below freezing if the sun shone on Plantasia the solar gain was huge. Different zones representing different climatic areas required separate heating controls.

The solution was to install a Smith's perimeter heating system to provide the year-round minimum of 22°C. Smith's was asked to fulfil the demanding brief for the emitters and developed a bespoke solution to meets the needs of the clients.

Specially designed natural convection heat emitters were selected to provide the best solution. To minimise any drop in flow rate around the 130 metre system the copper flow/return pipes in the heat emitters were 28mm flowing into a header on each emitter and then into a heat exchanger of several 12mm steel pipes for excellent heat transfer. The steel fins then allow very good heat transfer.

To combat against the toxic atmosphere the Smith's product has product casings and coils that were galvanised to ensure longevity.

The heat output from emitters is impressive and the heat haze is obvious when you look along the grilles. The heat convection can clearly be seen as it moves the leaves of the trees a couple of metres above the emitters.

The product is inconspicuous and blends into the background beneath the glazed façades and will provide gentle heat to Plantasia very efficiently for many years to come.

Smith's perimeter emitters were installed as part of an upgrade that will bring annual energy savings of 40% over the old system.

FOR MORE INFORMATION

SUPPORT:

Guide to heating a school

We have developed a new guide which looks at the challenges of heating improvement or refurbishments in learning environments

It considers the issues that need to be addressed with heating the different rooms in schools.

A one-size fits all approach to heating schools and other learning environments doesn't work.

Even classrooms have special requirements when it comes to heating – quick warm up for space without wasting energy, and the ability to shut the heating off when school is over are important as well as considerations for young children coming in contact with hot surfaces.

Maintaining the correct temperatures is crucial for keeping students alert whilst they are learning – too hot and they become drowsy, too cold and they are restless.

FOR MORE INFORMATION

CONTACTS:

Welcome to Team Smith's

How Smith's has been working throughout the lockdown

The COVID-19 virus has had a huge impact on our country. During the lockdown Smith's continued to operate albeit with restricted capacity.

We took advantage of the Government Coronavirus Job Retention Scheme and furloughed some of our team to ensure the safety of our employees and the long-term future of the business.

We were able to maintain a good level of customer service with key members of our team working either at home, or in the reorganised offices and factory. Our fantastic team continued to fulfil customers' orders throughout the lockdown. Now we are starting to bring back our team as the level of business builds post lockdown.

Our salesteam are now back working and they join our sales agents, technical team and customer service team who have been working throughout the past 4 months.

We have implemented new working guidelines in line with Government advice to maintain the safety of our staff and customers. We will continue to monitor the advice from the Government and healthcare experts to ensure their continued safety.

Happy to help
Smith's Environmental Products Ltd is one of the leading manufacturers of heating and cooling products in the UK.

We are committed to achieving the highest standards and our faith is supported by a free parts and labour guarantee with every product. Our customer service is second to none and we are happy to offer any help and guidance that you might need.

Contact us...
For product information, customer services or sales support call us on +44 (0) 1245 324900

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