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**The New DXR range of BACNet controllers Siemens Building Technologies makes Total Room Automation easy**

*The DXR range from Siemens Building Technologies offers robust control for a number of widely-used terminal units and uses the truly open BACnet protocol. As a result, the controllers support Total Room Automation - ensuring excellent energy efficiency as well as occupant comfort.*

The Siemens DXR offers excellent engineering options and robust performance. This new range of terminal unit controllers is focused on easier, quicker and more cost effective installation, as well as better end-user experience. The DXR range is based on the BACnet communication protocol. In the UK, around 60% of terminal unit controllers use BACnet, making DXR a truly open system product range.

These features combine to enable use of the Total Room Automation (TRA) control strategy, recommended by the British and European Standard BS EN15232.

TRA is a demand-based controls strategy - with energy used only when it is required. BS EN15232 deals with the impact of building controls and building energy management systems on energy efficiency. It rates controls systems from a D (non-energy efficient) to an A (high energy performance). Demand-based control is a pre-condition for achieving class A. The Standard BS EN15232 shows that a building applying demand-based control will use around 30% less energy than one which uses only very basic control systems.

The DXR controls technology from Siemens Building Technologies is suitable for a wide range of well-known air conditioning technologies - fan coils, VAV, and fan-assisted VAV units. It has been designed with both new-build and refurbishment projects in mind.

What's more, the DXR controllers are future-proofed because they are available with BACnet MS/TP and BACnet IP - which means that they are Internet-ready and can be linked easily to Local Area Networks. This enables facilities managers, for example, to manage devices remotely via hand-held devices, for example.

The terminal unit controllers use Siemens Building Technologies' PL link. This system allows users to connect a large number of devices such as room sensors, occupancy sensors as well as room units. The PL link enables devices to self-configure, so engineers do not have to spend time finding devices on the system - reducing installation and commissioning time.

The DXR is supplied with proven and tested control applications, which also reduces installation time and saving costs.

A number of the DXR room units incorporate the unique Siemens Green Leaf function. Green Leaf is an icon which occupants can see on the room controls. If the leaf is green, the system is operating efficiently, and if the leaf turns red, all they have to do is push the button and the system re-sets to its most energy efficient setting. Calculations based on BS EN15232 show that Green Leaf can save up to 25% of energy use.

For further information on the DXR range, please see: [www.siemens.co.uk/press](http://www.siemens.co.uk/press)

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**Siemens in the UK**

Siemens was established in the United Kingdom 170 years ago and now employs 13,760

people in the UK. Last year’s revenues were £3.36 billion\*. As the world’s largest engineering

company, Siemens provides innovative solutions to help tackle the world’s major challenges

across the key sectors of energy, industry, infrastructure & cities and healthcare.

Siemens has offices and factories throughout the UK, with its headquarters in Frimley, Surrey.

The company’s global headquarters is in Munich, Germany. For more information, visit

[www.siemens.co.uk](http://www.siemens.co.uk)

*\* Data includes intercompany revenue. Data may not be comparable with revenue reported in annual or interim reports.*

For more information on Siemens Building Technologies, visit: [www.siemens.co.uk/buildingtechnologies](http://www.siemens.co.uk/buildingtechnologies)

**About Siemens**

**Siemens AG (Berlin and Munich)** is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 165 years. The company is active in more than 200 countries, focusing on the areas of electrification, automation and digitalization. One of the world’s largest producers of energy-efficient, resource-saving technologies, Siemens is No. 1 in offshore wind turbine construction, a leading supplier of combined cycle turbines for power generation, a major provider of power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. The company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal year 2014, which ended on September 30, 2014, Siemens generated revenue from continuing operations of €71.9 billion and net income of €5.5 billion. At the end of September 2014, the company had around 357,000 employees worldwide. Further information is available on the Internet at [www.siemens.com](http://www.siemens.com).