

Press Release

Eurotherm enhances the EPC3000 Programmable Controller with BACnet connectivity and EtherNet/IP to monitor energy usage in building management systems.

- Using the BACnet™ protocol, the EPC3000 Programmable Controller can be easily integrated into a Building Management System (BMS) for applications such as heating, ventilation, air-conditioning, lighting and access control
- With the EtherNet/IP Server option, the EPC3000 range can be integrated with an existing instrument network and provide precision control to a PLC
- EPC3000 precision controllers help deliver an efficient and secure process, maintaining high standards of production and helping to ease cybersecurity concerns
- A cost-effective solution whatever your process, as this controller easily achieves the required stability, accuracy and repeatability across multiple applications requiring precision control

London December 17th 2018, Eurotherm by Schneider Electric, a global specialist in machine automation efficiency and regulatory compliance, enhanced the EPC3000 range of Eurotherm programmable precision controllers with BACnet, a data communication protocol developed by ASHRAE. The EPC3000 range has also been updated with EtherNet/IP communications that help deliver an efficient and secure process maintaining high standards of production and helping to ease cybersecurity concerns.



Using BACnet slave (TCP/IP) customers can get their data in the way they need it

BACnet is also known as ANSI/ASHRAE standard 135-2008 and as the international standard ISO 16484-5. Its purpose is to standardize communications between building automation devices from different manufacturers, allowing data to be shared and equipment to work together easily.

BACnet has been designed specifically to meet the communication needs of building automation and control systems for applications such as heating, ventilating, and air-conditioning control, lighting control, access control, and fire detection systems.

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EtherNet/IP Server (TCP/IP) allows the EPC3000 range to be easily integrated with an existing instrument network and provide precision control to a PLC.

With the EtherNET/IP Server option, the EPC3000 range can be easily integrated with an existing instrument network and provide precision control to a PLC. EtherNet/IP Server (slave) is available in firmware versions V3.03 and above. The controller has been conformance tested to CT15. EtherNet/IP (Ethernet/Industrial Protocol) is a 'producer-consumer' communication system used to allow devices to exchange time-critical data. Such devices range from simple I/O devices such as sensors/actuators, to complex control devices such as robots and PLCs. The producer-consumer model allows the exchange of information between a single sending device (producer) and many receiving devices (consumers) without having to send data multiple times to multiple destinations.

Data security in the industrial environment is paramount, and it all begins with system integrity at every level, from enterprise to device.

Eurotherm has designed the EPC3000 range around best practice for cybersecurity, and this is the first Eurotherm process controller tested to the highly demanding Achilles® CRT Level 1 qualification, a unique solution designed to enable device manufacturers to conduct comprehensive quality testing throughout the product development lifecycle.

At one of the launch events in India, a system integrator commented, "The performance of this controller is impressive and the certification for Ethernet robustness will help our cybersecurity strategy and give peace of mind for the future"

Precise and repeatable control improves quality, increases yield and minimizes waste

With a high level of functionality and configurability, EPC3000 precision controllers are easy to install, commission and replace, and are built to last. Global certification to international standards allows the range to be adapted to a wide spectrum of markets and applications with a robust design for high reliability in demanding environments.

Christopher Ashworth, VP & Managing Director, Eurotherm by Schneider-Electric said, "Whatever your process, the EPC3000 range easily achieves the required stability, accuracy and repeatability and provides real-time indicators for efficient monitoring of process equipment effectiveness."

For more information about Schneider's Eurotherm EPC3000 precision controllers, please visit our [website](#).

About Schneider Electric

Schneider Electric is leading the Digital Transformation of Energy Management and Automation in Homes, Buildings, Data Centers, Infrastructure and Industries. With global presence in over 100 countries, Schneider is the undisputable leader in Power Management – Medium Voltage, Low Voltage and Secure Power, and in Automation Systems. We provide integrated efficiency solutions, combining energy, automation and software. In our global Ecosystem, we collaborate with the largest Partner, Integrator and Developer Community on our Open Platform to deliver real-time control and operational efficiency. We believe that great people and partners make Schneider a great company and that our commitment to Innovation, Diversity and Sustainability ensures that Life Is On everywhere, for everyone and at every moment. [schneider-electric.com](https://www.schneider-electric.com)

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