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## New BACnet Compliant Products at ISH 2019

Contemporary Controls will be showcasing their full range of BACnet compliant building automation solutions in **Hall 10.3, B91** at ISH, the world's leading trade fair focusing on the responsible management of water and energy in buildings.

Contemporary Controls designs and manufactures the system building blocks for networking, integrating and controlling building automation processes where performance and reliability are important. By Building on BACnet®, Contemporary Controls offers a wide range of building automation solutions.

BACnet® is the most popular open protocol found in building automation and energy management systems. This open standard allows building owners and systems integrators the opportunity to pick and choose BACnet compliant equipment from various vendors. Contemporary Controls endorses the "open control" concept and its BASautomation line of BACnet products offers open solutions when implementing networked controls in buildings.

BACnet client devices initiate commands while BACnet server devices respond to commands. BACnet devices communicate to one another over a network. The more popular networks include the Internet Protocol (BACnet/IP) and the Master-Slave Token-Passing network (BACnet MS/TP). Interconnecting BACnet networks requires BACnet routers while connecting non-compliant BACnet devices, such as Modbus to a BACnet network, requires a gateway. Supervisors typically reside at the IP level functioning as clients while I/O modules and communicating thermostats reside at the MS/TP level functioning as servers. Controllers can be found at either level functioning as servers or in some cases as client/servers.

At ISH, Contemporary Controls will be showcasing several new BACnet compliant devices, including the BASrouter 3.0, a BTL Listed compact BACnet multi-network router which provides versatile stand-alone routing between BACnet/IP, BACnet Ethernet (ISO 8802-3), and BACnet MS/TP networks. The BASrouter has enhanced network diagnostic capabilities with visual analytics. Diagnostics include a graphical MS/TP status table, routing status table, network errors count, and traffic statistics. These new features allow an integrator to install robust BACnet networks with ease.

Contemporary Controls also will present the BAScontrol family, which provide truly open control by using BACnet for open communication as well as Sedona, for open source license-free programming. Contemporary Controls also provides free software tools and free pre-built applications to support the controllers.

Be sure to check out the new BASpi BACnet Client Controller (BCC), which is unique in that it functions as both a BACnet client and BACnet server as well as a Sedona controller but without internal I/O. It serves as a mini-supervisor and IoT gateway to BACnet/IP devices over Ethernet or Wi-Fi and BACnet MS/TP devices over EIA-485. Using Sedona network variable components, the BCC can initiate read/write commands from its Sedona wire sheet to BACnet/IP or BACnet MS/TP server points on BACnet compliant devices. Contemporary Controls will be showing the BASpi I/O boards – which are expansion boards for Raspberry Pi. The I/O board, plus the software provided by Contemporary Controls turn your Raspberry Pi into a BACnet-networked, Sedona-programmable controller.

Also new for 2019 is the bidirectional EnOcean to BACnet Gateway to integrate EnOcean wireless devices to BACnet systems. EnOcean wireless energy-harvesting devices are freely-positionable, self-powered, and suitable for retrofits and newly constructed buildings. EnOcean technology provides high flexibility through ease of use and installation. Devices are upgradable, expandable and flexible to relocate at any time. The EnOcean to BACnet Gateway provides the system integrator with a flexible building block when integrating EnOcean wireless devices to BACnet/IP networks or expanding the number of EnOcean points in an existing building automation system. Thanks to virtual routing technology, the gateway seamlessly discovers and connects to EnOcean devices and makes them appear as individual BACnet compliant devices.

For those interested in remote access solutions, the RemoteVPN is a service offered by Contemporary Controls that allows systems integrators remote access to systems from the convenience of the systems integrator's home or office. A cloud-based VPN server hosted by Contemporary Controls provides the critical connection between two VPN clients – one installed on the systems integrator's PC and the other permanently installed on Contemporary Controls' VPN router located at the remote location. Using this approach, two secure VPN tunnels are created with

no concern for intervening firewalls. The Skorpion series of VPN routers offer models with wired and cellular connectivity options. Multiple remote sites can be accessed simultaneously using the RemoteVPN service.

Don't miss Contemporary Controls in Hall 10.3, B91 at ISH to see the wide range of building automation solutions.

### **About Contemporary Controls**

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For more than 40 years, Contemporary Controls has been designing and manufacturing the system building blocks used to automate buildings, machines and processes. Contemporary Controls is unique in the industry by supplying products that maximize the benefits of both BACnet and Ethernet. Products include supervisors, controllers, gateways, routers and switches. Contemporary Controls has manufacturing locations in the United States and China, and additional support offices in the United Kingdom and Germany.

For more information, visit [www.ccontrols.com](http://www.ccontrols.com), call: +44 24 7641 3786 or email [info@ccontrols.co.uk](mailto:info@ccontrols.co.uk).