Timeline years (left margin): 2015, 2010, 2005, 2000, 1995, 1990, 1985, 1980, 1975

Providing Innovation and Quality for 40 Years

Contemporary Controls has been designing and manufacturing network automation devices for 40 years. System Integrators have depended on us over the years to provide them with or durable and inexpensive BASautomation – Building on BACnet and CTRlink – Ethernet Built for Buildings products.

Today, Contemporary Controls continues to expand its product portfolio by introducing Wi-Fi and cellular connectivity to its IP routers using OpenVPN technology and a cloud-based service to assist system integrators. The Automation Switch series is introduced with 24 and 16-port switches and support for Power over Ethernet (PoE). Support for existing ARCNET customers continues with the introduction of a PCI Express ARCNET adapter for use in modern high-speed PC motherboards. The BAScontrol20 is introduced as a truly open unitary controller supporting both BACnet/IP and Sedona Framework.

Recently in the year, Contemporary Controls was honored by receiving Control Trends (CTA) Peripheral Product of the Year award for the BASrouter while George Thomas was inducted to CTA's Hall of Fame.

Contemporary Controls, with sales and distribution offices in the United Kingdom and Germany and manufacturing locations in China and the United States, remains committed to serving its automation customers worldwide. Let us know how we can help you and we'll come up with an economical, long-lasting solution.

40 years in control

Product of the Year

BASrouters

Peripheral Category CTA Awards 2014

BASautomation®
Building on BACnet®

CTRLink®
Ethernet Built for Buildings

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CONTEMPORARY CONTROLS®

Welcome!

Thank you for visiting Contemporary Controls during the recent Honeywell Momentum 2015. In case we weren't able to answer all of your questions about our BASautomation and CTRLink products, we encourage you to visit our website at **www.ccontrols.com** to learn more about our proven solutions for the building automation industry.

Contemporary Controls serves the building automation industry with products based upon open standards such as BACnet, Modbus and Ethernet. Our customers are systems integrators, contractors and mechanical and controls OEMs seeking simple and reliable networking and control products from a dependable source. BASautomation®– Building on BACnet® provides routing, gateway and control solutions compatible with an internationally recognized building automation standard. CTRLink® – Ethernet Built for Buildings consists of unmanaged and managed switches, media converters, and wired and wireless IP routers. These products are designed for unattended operation in environments not conducive to office grade equipment. With headquarters based in the US, we have operations in the UK, Germany and China with self-manufacturing in the US and China.

40 years in control

CONTEMPORARY CONTROLS®

Offload Your JACE

EISK Series Diagnostic Switch

BASrouterLX
High-performance BACnet® Router

BASgatewayLX
Modbus to BACnet® Gateway

BACnet®/IP

BASrouter
BACnet® Router

Modbus RTU

Modbus Device

Sedona Open Controllers

- BACnet/IP Compliant
- B-ASC Device Profile
- Sedona Virtual Machine
- 22 Points of I/O + 24 Virtual Points
- Daisy-chain Ethernet Connection
- 200 Component Wire Sheet
- Workbench or Sedona Tool Programming
- Webpage Configuration

BAScontrol22
Unitary Controller

BACnet®/IP

BAScontrol20
Unitary Controller
Shown with demo board (optional)

Remote Your JACE

Powered by Niagara^AX FRAMEWORK®

Remote
Secure Access over the Internet

BAScloudVPN

FOX

IP Routers
Wired and Wireless
VPN

Ethernet Built for Buildings

UL 864 Smoke and Fire Rated Switches

Unmanaged Switches
- Eight ports for twisted pair cabling
- Models offer two fiber ports to accommodate fiber backbone
- Four twisted pair ports support local drops
- Multimode fiber available with SC or ST Connector
- Single-mode fiber available with SC Connector
- Panel or DIN-rail Mounting
- 24 VAC or VDC

EIS Series

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LISTED

Managed Switches
- 20-10/100 Mbps SFP Ports Copper/ Fiber
- Four Gigabit SFP Ports Copper/Fiber
- Fault Relay 2A @ 30V
- 120 VAC
- Four 10/100 Mbps RJ-45 Ports
- LED Indicators
- 19" Rack Mounting

EIRX28M Switch

Fault Relay 2A @ 30V

Power Input 120 VAC | LED Indicators | 4 RJ-45 Ports | 20 SFP Copper /Fiber Ports | 4 SFP Copper/ Fiber Gigabit Ports

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While the JACE has the ability to route MS/TP traffic over one of its serial ports, handling the overhead of the BACnet MS/TP token passing protocol burdens the JACE's CPU. This results in increased CPU usage that could be used for other functions or calls for a potential need to change to a higher-powered JACE.

The JACE CPU usage can be decreased by offloading the MS/TP token passing to external BACnet MS/TP to BACnet/IP routers, such as the BASrouter and BASrouterLX. This is especially important if you require the JACE to be connected to multiple MS/TP networks.

Although the JACE has the ability to communicate Modbus RTU over one of its serial ports, Modbus points cannot be discovered like BACnet points requiring manual configuration of each Modbus register. By using the BASgatewayLX, with pre-defined Modbus device profiles, configuration of Modbus registers is just as quick as configuring BACnet points allowing to greatly reduce the time to configure Modbus devices in the field.

The virtual routing feature in the BASgatewayLX allows each connected Modbus device to appear as an individual BACnet compliant device which can save configuration time if using multiple identical Modbus devices.

The BAScontrol22 Unitary Controller is a good example of an open controller in that it embodies the attributes of an open controller as defined by Contemporary Controls. It is BACnet/IP compliant and incorporates a Sedona Virtual Machine. It can be programmed using Niagara Workbench or with a Sedona Tool. It is available to any systems integrator without restriction.

By having an Ethernet connection, the BASC22 can easily connect to Niagara Workbench or a Sedona Tool for programming or to a web browser for configuration. A built-in 10/100 Mbps Ethernet switch allows for a daisy-chain connection to the next-in-line controller or to a building supervisor. Besides having 66 Sedona components from Tridium, it has 100 custom components from Contemporary Controls. These include 48 web components that can be viewed and manipulated by a web browser, and 24 virtual points that can be read or written by a BACnet client.

The BAScontrol20 Demo Board is ideal for training and simulation by having inputs and outputs pre-wired to physical points. Applications can be tested before being deployed in the field.

Our EIPR-V wireless router provides a secure VPN connection to the JACE in conjunction with our BAScloudVPN cloud service.

Traveling to a job site to conduct a service call can be expensive and unproductive especially when the problem can be resolved remotely. Having remote access to the JACE is extremely important with saving time and improved troubleshooting responsiveness. There are several ways this can be accomplished with either a wired or a wireless solution that does not compromise network security.

With the JACE's two Ethernet ports, one port can be utilized for the building control network and the second port for remote communications. Connecting the second port to our EIPR-V router, when connected to our BAScloudVPN cloud service, provides access to the JACE from an office or other remote locations.

When using more than one JACE, all of the second JACE ports can be networked together to create a remote access network that can be accessed through the EIPR-V. The EIPR-V can communicate via cellular networks, through the addition of a USB cellular modem, or via its Ethernet port - if Internet access is available.

The unmanaged CTRLink EIS series eight-port 10/100 Mbps copper switch and the managed EIRX28M rack mounted switch are both 9th edition Recognized Components. All new fire alarm and smoke control systems being installed claiming UL 864 compliance must comply with this latest edition. Contemporary Controls is one of the few companies that manufactures Ethernet switches that are UL 864 9th Edition Recognized Components. Major Fire Safety providers depend on us for our UL 864 rated switches when they need Ethernet connectivity.

UL 864 9th Edition governs the safety of fire alarm systems and equipment, including smoke detectors, sprinkler systems and fire alarms. UL 864 is consistent with the most recent National Fire Protection Association (NFPA) 72, making it a requirement for all United States fire safety equipment. The standard is the most recognized fire safety standard worldwide. By having the fire alarm system supplier specifying a Contemporary Controls' UL864 Ethernet switch to be used within the system, the supplier is not required to perform additional testing on the component.

UL 864 is written by Underwriters Laboratories, Inc., an independent product safety certification organization. The UL Mark, featured on more than 80,000 products, is recognized worldwide as the standard for products that are physically and environmentally safe.