CONTROLS CON JUNE 8-9 DETROIT, MI

BASrouter — BACnet[®] Multi-Network Router

Contemporary Controls provides several BACnet routing solutions for your integration requirements. The compact and durable BASrouter provides stand-alone routing between BACnet networks such as BACnet/IP, BACnet Ethernet, and BACnet MS/TP — thereby allowing the system integrator to mix BACnet network technologies within a single BACnet internetwork. Router configuration is accomplished via web page. Diagnostic web page displays statistics about the MS/TP bus which allows the system integrator to analyze and ensure the stability of the MS/TP network segment as well as resolve existing network issues if necessary. A routing table web page contains information about the network topology of the surrounding network, destination network, network status, network type, etc. — making network troubleshooting faster and easier.

Versatile Routing Between ...

- BACnet/IP and BACnet MS/TP
- BACnet Ethernet and BACnet MS/TP
- BACnet/IP and BACnet Ethernet
- BACnet/IP and BACnet Ethernet and BACnet MS/TP
- Two BACnet/IP Networks (between two UDP ports)

IP Network Support

- Web Server for Commissioning and Troubleshooting
- New MS/TP Communication Diagnostic Web Page
- New DHCP option
- New Routing Table Web Page
- BACnet/IP Broadcast Management Device (BBMD)
- Foreign Device Registration (FDR)

Flexible Communications

• 10/100 Mbps Ethernet with Auto-Negotiation and

BASrouterLX — High-Performance BACnet® Router with Diagnostic Capabilities

In addition to the standard BASrouter, the BASrouterLX accommodates more features and provides higher network performance.

- MS/TP capture using Wireshark[®] with direct up-link to Optigo Visual BACnet - allowing you to instantly diagnose your BACnet System
- New MS/TP Backbone
- New Whitelist option
- New Backward Routing
- MS/TP baud rates range from 9.6-115.2 kbps

BACnet Routers

BACnet/IP, BACnet Ethernet, BACnet MS/TP



Modbus to BACnet Gateway



Auto-MDIX

- Optically Isolated MS/TP port
- MS/TP Baud Rates Range from 9.6-76.8 kbps
- Jumper-selectable MS/TP bias and termination

Convenient Installation

- 24 VAC/VDC (± 10%), 47-63 Hz input voltage
- Din-rail mounted
- Auto-discovery of MS/TP slaves
- 50 BBMD entries, 147 FDR entries

The BASrouterLX is a high-performance BACnet router with diagnostic capabilities, providing stand-alone routing between BACnet networks such as BACnet/IP, BACnet Ethernet, and BACnet MS/TP. Besides its high- speed processor, it has advanced features such as MS/TP slave proxy support (allowing auto-discovery of MS/TP slaves) and MS/TP frame capture. As a BBMD, up to 50 BDT and 147 FDR entries are supported.



Portable BASrouter — BACnet® Multi-Network Router

The Portable BAS router provides the same stand-alone routing and network diagnostics as the standard BAS router in an even more compact case. Powered through a USB port, it could be connected to a laptop PC for fast and easy commissioning or quick network analytics. Configuration and commissioning

BASgatewayLX — Modbus to BACnet® Gateway

Modbus remains a popular network interface. It is commonly found on jobs such as boiler control, variable speed drives, and metering applications, but these devices lack BACnet compliance. To make Modbus devices appear as individual BACnet devices, a BASgatewayLX is used. This device has one 10/100 Mbps Modbus TCP or BACnet/IP Ethernet port and an opto-isolated Modbus EIA-485 serial port for Modbus RTU or Modbus ASCII devices.

Up to 100 Modbus serial devices (represented by up to 1000 polled points) can share the single Modbus port on the BASgatewayLX. The virtual routing feature in the BASgatewayLX allows each connected Modbus device to appear as an individual BACnet-compliant device. What is needed is a device profile for each Modbus type device. Contemporary Controls maintains a library of common device profiles. If one is not available, Contemporary Controls will provide it upon request. Custom device profiles can be uploaded to the BASgateway. accomplished via web page.

Convenient Commissioning

- Powered via a USB port in a laptop
- Compact plastic case can be easily stored

Using web pages and a database of common Modbus device profiles, Modbus data points from Modbus Serial or Modbus TCP devices can be mapped to BACnet objects.

Gateway Functionality Between ...

- Modbus Serial (RTU or ASCII) and BACnet/IP
- Modbus TCP and BACnet/IP

Routing Functionality Between...

Modbus Serial (RTU and ASCII) and Modbus TCP

Flexible Communication Ports

- 10/100 Mbps Ethernet with auto-negotiation and Auto-MDIX
- Opto-isolated serial port supports either 2-wire or 3-wire EIA-485
- Jumper-selectable EIA-485 bias and termination
- Baud rates from 2.4–115.2 kbps

Convenient Installation

- 24 VAC/VDC powered
- DIN-rail mounting

Ordering Information

RoHS

Model BASRT-B BASRTLX-B BASRTP-B BASGLX-M1

Description

BAS Router BACnet multi-network router DIN-rail mount High-performance BACnet router with diagnostic capabilities Portable BASrouter BACnet multi-network router Modbus to BACnet Gateway with virtual routing



https://www.ccontrols.com/controlscon

Worldwide Locations

United States

Contemporary Control Systems, Inc. 2431 Curtiss Street Downers Grove, IL 60515 USA +1 630 963 7070 info@ccontrols.com www.ccontrols.com

Germany

Contemporary Controls GmbH Fuggerstraße 1 B 04158 Leipzig Germany +49 341 520359 0 info@ccontrols.de www.ccontrols.eu

United Kingdom

Contemporary Controls Ltd 14 Bow Court Fletchworth Gate Coventry CV5 6SP United Kingdom +44 (0)24 7641 3786 info@ccontrols.co.uk www.ccontrols.com

China

Contemporary Controls (Suzhou) Co. Ltd 11 Huoju Road Science & Technology Industrial Park New District, Suzhou PR China 215009 +86 512 68095866 info@ccontrols.com.cn www.ccontrols.asia

