Overview

The FieldServer BACnet Router offers a complete BACnet Internetworking solution for BACnet/IP, BACnet Ethernet, and BACnet MS/TP networks.

This is the first standalone BACnet Router that has been certified by BTL to ensure the highest standard for BACnet integration.

The FieldServer BACnet Router has two RS-485 ports enabling up to 64 BACnet MS/TP devices to be connected to it without the use of additional line drivers. Relative to a single port router, the dual port router halves device response time by distributing devices over the two RS-485 ports.

The FieldServer BACnet Router has an easy one-page configuration, greatly simplifying the installation process. Included in the BACnet Router the BACnet Explorer, allows the integrator to push a button and discover all the BACnet devices connected to the router, greatly simplifying the commissioning process and troubleshooting the BACnet network.

BACnet Router Features and Benefits

Multiple BACnet Routing Connections
- BACnet/IP & BACnet MS/TP
- BACnet MS/TP & BACnet Ethernet
- BACnet MS/TP & BACnet MS/TP
- BACnet/IP & BACnet/IP
- BACnet/IP & BACnet Ethernet

Ease of Use
- BACnet Explorer: discovers devices connected to the FieldServer BACnet Router.
- BACnet Broadcast Management Device (BBMD) for a connection between different subnets, up to 50 devices supported on the Broadcast Distribution Table (BDT).
- Web Based configuration with no additional software needed for configuration.
- NAT support with secondary BACnet/IP connection for routing between public and private IP networks.
- Foreign Device Registration (FDR), exposing up to 147 devices details on different subnets.
- SMC Cloud registration connects your devices to the cloud, allowing secure remote access for diagnostics, monitoring, alarming and configuration.
- On-board diagnostics allow easy troubleshooting for both serial and Ethernet communications.
- FieldSafe adds a wealth of security options, including: web configuration page authentication (self-signed certificates), robust user and password management features.

Ease of Installation
- MDIX to use any Ethernet cable for commissioning and installation.
- DHCP to automatically obtain the IP setting from the network.
- Software “ToolBox” to find and diagnose all FieldServer BACnet routers on the network.
- Wide range of input power requirements, AC or DC.
Hardware Specifications *

<table>
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<th>Communication</th>
<th>Other</th>
<th>Approvals</th>
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<tr>
<td>Serial (Galvanic Isolation):</td>
<td>Web configuration</td>
<td>CE and FCC class B &amp; C part 15</td>
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<tr>
<td>2 x RS-485</td>
<td>On-board diagnostics</td>
<td>BTL Marked</td>
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<td>Baud: 9600, 19200, 38400, 57600, 76800</td>
<td>DIN rail mount included</td>
<td>UL 60950-1 and CAN/CSA C22.2</td>
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<td>Ethernet</td>
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<td>10/100BaseT</td>
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<td>MDIX</td>
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<td>DHCP</td>
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Environment

Operating Temperature: -20 to 70°C (-4 to 158°F)
Relative Humidity: 10-95% RH non-condensing

Dimensions (HxWxD)
4 x 1.1 x 2.7 in (10.16 x 2.8 x 6.8cm)
Max Power: 3W
Weight: 0.4 lbs (0.2 Kg)

Power Requirements
Input: 24VAC 0.125A
9-30VDC 0.25A @12 VDC

Ordering Information
The FieldServer BACnet Router is available in the following hardware configurations:

- FS–Router–BAC2 (2 Serial Ports)

Options
The Accessory Kit consists of a power supply, Ethernet cable, screwdriver and a USB flash drive that includes all manuals, data sheets, notes and the discovery tool.

- FS-8915-38-QS Accessory Kit, 110/220V

Specifications subject to change without notice