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 is available in two models:

- The FS-ROUTER-BAC 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 FS-ROUTER-BAC1 offers a single RS-485 port and is a cost-effective option for configurations of 32 or fewer BACnet MS/TP devices without the need for additional line drivers.

The FieldServer BACnet Router has an easy one page configuration, greatly simplifying the installation process. DeviceFind™, a unique discovery feature, allows the integrator to push a button and discover all the BACnet devices connected to the router, greatly simplifying the commissioning process.

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

- DeviceFind™: a unique feature that discovers devices connected to the FieldServer BACnet Router
- BACnet Broadcast Management Device (BBMD) for a connection between different subnets
- 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 devices details on different subnets
- FieldPoP™ connects to the cloud, allowing secure remote access for diagnostics, monitoring, alarming and configuration

Ease of Installation

- MDIX to use any Ethernet cable for commissioning and installation
- DHCP to automatically obtain 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
Ordering Information

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

- FS–ROUTER–BAC (2 Serial Ports)
- FS–ROUTER–BAC1 (1 Serial Port)

Options

The Accessory Kit consists of a power supply, Ethernet cable, screwdriver, DIN Rail Mount, and a USB flash drive that includes all manuals, data sheets, Discovery tool, and E-Notes.

- FS-8915-36-QS Accessory Kit, 110/220V

Specifications

**Communication**

- Serial RS-485
  - Galvanic isolation
  - Baud: 9600, 19200, 38400, 57600, 76800, 115200

**Ethernet**

- 10/100BaseT
- MDIX
- DHCP

**Environment**

- Operating temperature: -40°C to 75°C (-40°F to 167°F)
- Relative humidity: 5-90% RH non-condensing

**Other**

- Web Configuration
- Toolbox diagnostic utility
- Table, Wall mount
- DIN rail mount included

**Construction**

- Dimensions: (HxWxD)
  - 4.5 x 2.9 x 1.6 in.
  - 11.5 x 7.4 x 4.1 cm
- Weight: 0.4 lbs (0.2 Kg)

**Power Requirements**

- 9-30VDC or 12-24VAC
- Current draw @ 12V: 240 mA

**Approvals**

- RoHS Compliant
- TUV approved to UL 916, EN 60950-1, EN 50491-3 and CSA C22.2 standards
- CSA C22.2 standards
- BTL Certification Rev. 12
- GOST-R Certified
- CE & FCC

*Specifications subject to change without notice*