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.

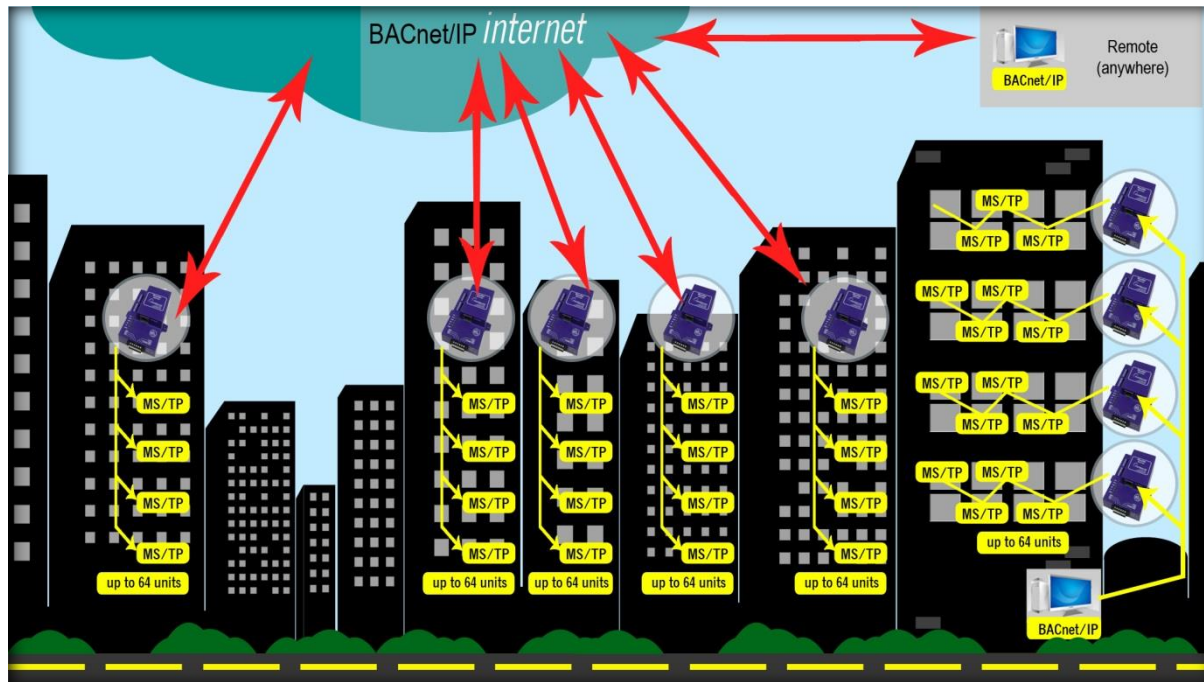## BACnet Router Solution

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

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

Specifications

Communication

Serial RS-485

Galvanic isolation

Baud: 9600, 19200, 38400, 57600, 76800, 115200

Ethernet

10/100BaseT

MDIX

DHCP

Environment

Operating temperature: -40^0 to 75 ^{o}C (-40^0 to 167^{0}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**

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