EZ Gateway KNX to BACnet

Overview



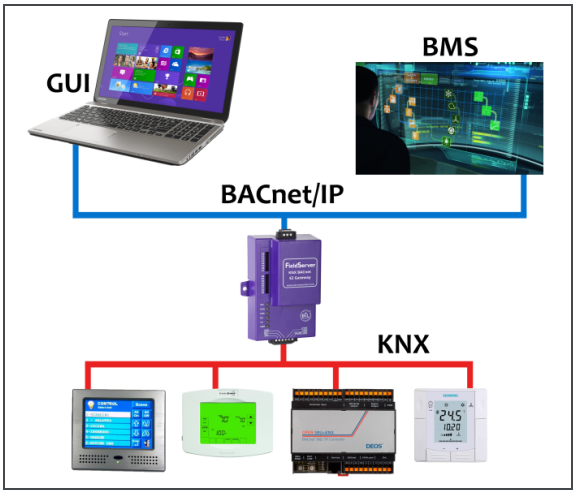
The EZ Gateway KNX to BACnet (FS-EZX-KNX-BAC) is an easy-to-use, high-performance building and industrial automation protocol gateway for integrators to interface KNX certified products to BACnet management systems in commercial buildings, campuses, and industrial facilities. KNX-certified products encompass a wide range of applications such as lighting control, heating, ventilation and air conditioning control, shutter/blind and shading control, alarm monitoring, energy, gas, and water metering, and audio and video distribution. The EZ Gateway KNX to BACnet integrates such KNX-based devices and systems to BACnet-based management systems over BACnet MS/TP or BACnet/IP protocols.

The EZ Gateway KNX to BACnet combines field-hardened KNX and BACnet protocol drivers with an easy to use configuration interface. The EZ Gateway's KNX interface is compatible with all KNX-certified products, while the EZ Gateway's BACnet interface has been certified by BACnet Test Laboratory (BTL). The intuitive web-based interface allows configurations to be built in the field or in the office, thereby simplifying the commissioning and integration process.

MSA Safety's unique FieldServer DeviceProxy™ feature allows each KNX device to be presented as a corresponding virtual BACnet device within the EZ Gateway, thereby providing granular visibility and control over each KNX device from within a BACnet management framework. For example, offline / online status is visible at the individual KNX device.

With the EZ Gateway KNX to BACnet, the integrator/contractor does not need to be a protocol expert, and can minimize configuration and commissioning time, while also reducing ongoing operating and maintenance costs.

Features and Benefits



- Protocols supported Include: KNX, BACnet MS/TP & BACnet/IP
- Built-in KNX data map graphical user interface
- Import of XML and ESF file types is available for easy data mapping
- Supports up to 500 or 1,000 KNX points
- BACnet COV support provides fast data communication while reducing BACnet network traffic
- BTL certified
- BACnet BBMD Server support for connecting to remote BACnet networks
- Web Interface allows drag-and-drop functionality for speedy setup and configuration
- Device Proxy supports virtual nodes, allowing each KNX device connected to a EZ Gateway to be seen as a separate device on the BACnet network
- Diagnostics information for devices connected to the EZ Gateway can be viewed via Web Interface
- **MSA Grid - FieldServer Manager** 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

MSA is a registered trademark of MSA Technology, LLC in the US, Europe and other Countries. For all other trademarks visit https://us.msasafety.com/Trademarks.

Propel Item No: T18405
Revision: 3.F

Configuration

The Web Interface is used to configure the KNX and BACnet connections, and mappings are created for each KNX device to be connected to the EZ Gateway. Specific KNX data points are mapped through to BACnet objects making integration easy and efficient.



Hardware Specifications

Environment
Operating Temperature: -40 to 75°C (-40 to 167°F)
Relative Humidity: 5-90% RH non-condensing

Power Requirements*
12-30VDC or 12-24VAC
Current Draw: @12 V
FS-EZX-KNX-BAC: 240 mA
*A KNX compatible power supply is required on the KNX network

Physical Dimensions
H x W x D: 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)

Other
Configuration/Diagnostic utilities
Capacity: 500 points FS-EZ1-KNX-BAC
1,000 points FS-EZ2-KNX-BAC
Table, Wall or DIN rail mount

Communication
Baud: 9600
Start Bit: 8
Stop Bit: 1
Parity: Odd
Ethernet: 10/100 BaseT MDIX

Approvals
CE and FCC Part 15
UL 916, EN 50491-3 and CSA C22.2 standards
BTL Marked and UKCA compliant
RoHS3 and WEEE compliant
GOST-R certified

Ordering Information

The EZ Gateway KNX to BACnet is available in multiple point count configurations.

FS-EZ1-KNX-BAC	500 Points
FS-EZ2-KNX-BAC	1,000 Points

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, notes and the discovery tool.

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

Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment, this equipment may cause radio interference

BACnet® is a registered trademark of ASHRAE
KNX® is a registered trademark of the KNX Association

MSA Safety
1000 Cranberry Woods Drive, Cranberry Township, PA 16066 USA
O. +1 408 964-4443 **TF.** +1 800 727-4377 **E.** SMC-insidesales@msasafety.com
www.MSAsafety.com