FieldServer Data Sheet – QuickServer KNX Protocol Gateways   Rev. 1.B

Overview

Sierra Monitor is a leader in protocol gateways for the building automation industry, enabling system integrators and developers to prepare building automation and process control infrastructures for the future by breaking down protocol barriers.

With the QuickServer KNX Gateway, FieldServer enables data access from KNX networks to devices and networks utilizing open and proprietary protocols such as BACnet, Modbus, LonWorks, Metasys N2 by JCI, SNMP and more. With over 100 protocols available in the extensive FieldServer Driver Library, no other product can connect KNX to more products!

FieldServer is in thousands of installations with over 700 translation paths. These gateways are LonMark certified, BACnet compliant, Metasys N2 compatible and mission-critical tested.
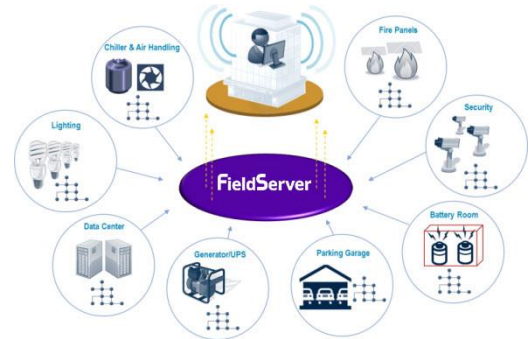
QuickServer is a galvanic-isolated translator device on KNX/TP installations with control and monitoring capabilities. All EIS data types are supported, allowing communication to any kind of KNX devices in the installation, such as temperature sensors, shutters, light switches, actuators, alarms etc.

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.

Typical data points supported on the QuickServer with KNX are:

- Switching (EIS1, 1-bit)
- Dimming (EIS2, 4-bit)
- Time (EIS3, 24-bit)
- Date (EIS4, 24-bit)
- Float (EIS5, 16-bit)
- Value (EIS6, 8-bit)
- Drive Control (EIS7, 1-bit)
- Priority (EIS8, 2-bit)
- Float IEEE (EIS9, 32-bit)
- Counter (EIS10, 16-bit)
- Counter (EIS11, 32-bit)
- Access Control (EIS12, 4-bit)
- ASCII character (EIS13, 7-bit)
- Counter (EIS14, 8-bit)

The product versions include:

- KNX Gateway: Allows BMS systems to access a KNX network using direct read and write of KNX configured groups. This setup does not require the use of ETS4 to configure the QuickServer KNX gateway.

- KNX Device Emulation: Allows third party devices to be recognized as KNX devices.

To ensure total satisfaction with our products, FieldServer emphasizes comprehensive customer service and support. This commitment to the highest level of service extends beyond the sales cycle and throughout the product life cycle.

Protocols Available				
Omron Fins	BACnet MS/TP	LonWorks	XML	GE-EGD
EtherNet/IP	BACnet Ethernet	Modbus RTU	DNP 3.0	Plus over 100 legacy and
Metasys N2 by JCI	BACnet/IP	Modbus TCP/IP	SNMP	proprietary protocols

For more information: www.sierramonitor.com/connect/protocol-gateway-integrators/knx

Ordering Information: The following part number is essential in selection of the correct product. Please build up the desired part by inserting the code for each element into the appropriate space (ie. FS-QS-1A10-XXXX).

Model	Series	Model	R2 Port *	R1 Port	Protocols
FS-QS	**1**				

Model:
- 0 = BAS
- 2 = Enhanced
- A = M-Bus 16 device
- B = M-Bus 32 device
- C = M-Bus 64 device

R2 Port *:
- 1 = RS-485
- 2 = RS-232
- 3 = RS-422
- 4 = KNX
- 5 = M-Bus

R1 Port:
- 0 = RS-485
- 1 = LonWorks

Protocols:
- 4 = digit protocol code

* RS-232/RS-422 / KNX/M-Bus FS-QS-12XX only

Sierra Monitor Corporation
1991 Tarob Court, Milpitas, California 95035 USA
O. +1 408 262-6611   **TF.** +1 800 72 SIERRA (74377)   **E.** sales@sierramonitor.com
www.sierramonitor.com

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