1   DESCRIPTION

The J-Bus driver supports connections over RS-232 and RS-485 (Half Duplex). The FieldServer can be configured as a client or server using the J-Bus protocol.

1.1   Connection Facts

FieldServer Mode	Nodes	Comments
Client	1 - 255	J-Bus station Address of the node(s)
Server	1 - 255	J-Bus station Address of the node(s)

2   FORMAL DRIVER TYPE

Client or Server

3   COMPATIBILITY MATRIX

FieldServer Model	Compatible with this driver
FS-x30	Yes
SlotServer	Yes
ProtoNode	Yes
QuickServer FS-QS-10xx	Yes
QuickServer FS-QS-12xx	Yes
ProtoCessor FPC-ED2	Yes
ProtoCessor FPC-ED4	Yes

4   CONNECTION INFORMATION

Connection type: RS-232 or RS-485
Baud Rates: 110; 300; 600; 1200; 2400; 4800; **9600**; 19200; 28800; 38400; 57600; 115200 Baud
Data Bits: 7,8
Stop Bits: 1
Parity: Odd, Even, **None**
Multidrop Capability: Yes

5   DEVICES TESTED

Device	Tested (FACTORY, SITE)
MGE UPS	SITE

6   COMMUNICATIONS FUNCTIONS - SUPPORTED FUNCTIONS AT A GLANCE:

6.1   Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Analog Input	FLOAT, UInt16, SInt16 , Byte
Digital Input	BIT, Packed_Bit,
Analog Register	FLOAT, UInt16, SInt16 , Byte
Digital Output	BIT, Packed_Bit,

6.2   Read Operations supported

FieldServer as a Client	FieldServer as a Server
(1) – Read coil status	(1) – Read coil status
(2) – Read input status	(2) – Read input status
(3) – Read holding registers	(3) – Read holding registers
(4) – Read input registers	(4) – Read input registers
(11) – Fetch comm Event (Write not supported)	(11) – Fetch comm Event (Write not supported)

6.3   Write (Control) Operations supported

FieldServer as a Client	FieldServer as a Server
(5) – Force single coil	(5) – Force single coil
(6) – Preset single register	(6) – Preset single register
(10) – Poll 484 (Modicon 484 device)	(10) – Poll 484 (Modicon 484 device)
(15) – Force multiple coils	(15) – Force multiple coils
(16) – Preset multiple registers	(16) – Preset multiple registers
(126) – Force single Coil-127 (Only for coil 127)	(126) – Force single Coil-127 (Only for coil 127)

6.4 Unsupported Functions and Data Types

Function	Reason
Programming messages	FieldServer is a data transfer device, and as such, programming messages are not required
(07) – Read Exception status	
(08-xx) – Diagnostic Sub-functions	
(12) – Fetch comm event log	
(17) – Report Slave_ID	
(20) – Read general reference	
(21) – Write general reference	
(22) – Mask 4**x** register	
(23) – Read/Write 4**x** register	
(24) – Read FIFO Queue	