



FieldServer Driver - Serial FS-8700-62 J-BUS

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.

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)

Formal Driver Type

J-Bus is a Serial protocol that can be used for a Client or Server transactions.

Compatibility Matrix

FieldServer Model	Compatible with this driver
FS-X2010	Yes (Using P1 or R1)
FS-X2011	Yes (Using P1 or R1)
FS-X40	Yes
FS-X30	Yes

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 , Mark, Space
Multidrop Capability	Yes (For RS-485)

Devices tested

Device	Tested (FACTORY, SITE)
MGE UPS	Site

* Bold text indicates default values.



Connection configurations

No connection diagram possible (multiple unknown connections supported)

Communications functions – Supported Functions at a Glance

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,

Read Operations supported

FieldServer as a Client (Function code)	FieldServer as a Server (Function code)
(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)

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)

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 4x register	
(23) – Read/Write 4x register	
(24) – Read FIFO Queue	



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