



FieldServer Driver FS-8700-15 Modbus Daniels

Description

Modbus Daniels is an inclusion into Modbus ASCII, allowing floats to be used. Modbus Daniels is designed to support floats in the address range 7000 to 7999. The "Double" data type is not supported. Other standard Modbus data types are supported. The FieldServer can only emulate a client.

FieldServer Mode	Nodes	Comments
Client	1	The FieldServer can only emulate one client node but can communicate with up to 255 other Modbus Daniels devices. The achievable number of devices may be limited due to device loading and network speed characteristics. Only one client node allowed on multidrop systems.

Formal Driver Type

Serial
Client only

Compatibility Matrix

FieldServer Model	Compatible with this driver
FS-x2010	Yes
FS-x2011	Yes
FS-x40	Yes

Connection Information

Connection type: EIA232 or EIA485 (Two wire, Half-Duplex)
Baud Rates: 110; 300; 600; 1200; 2400; 4800; **9600**; 19200; 28800; 38400; 57600; 115200 Baud
Data Bits: 7,8
Stop Bits: 1,2
Parity: Odd, Even, **None**
Multidrop Capability Yes , No

Devices tested

Device	Tested (FACTORY, SITE)
To be confirmed.	SITE

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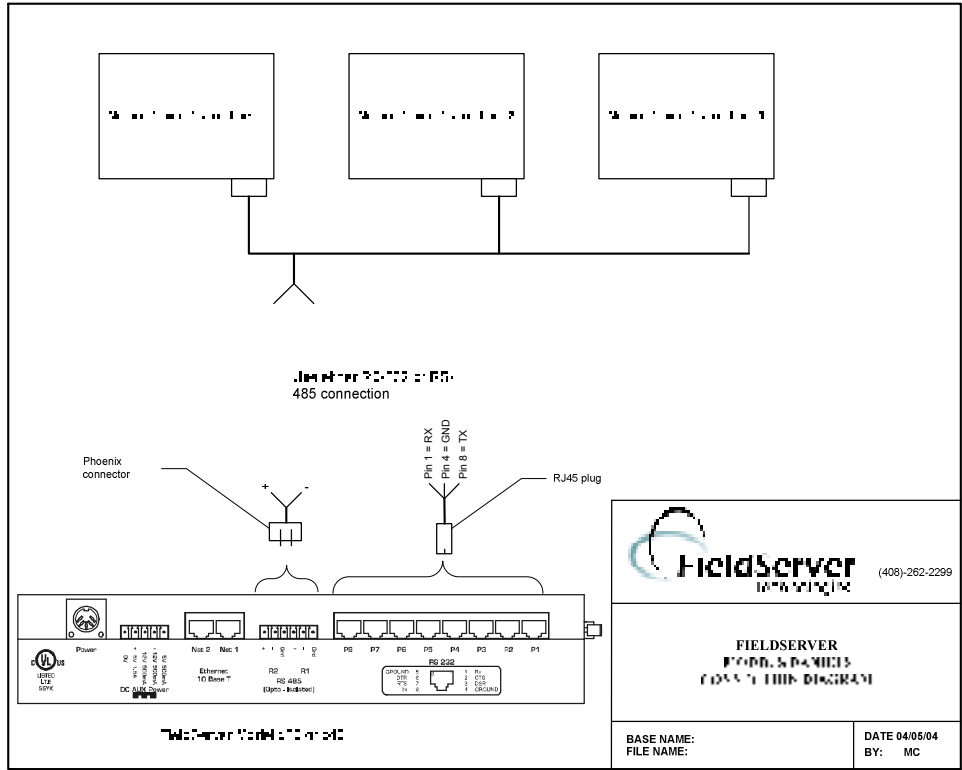
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Connection configurations



FieldServer (408)-262-2299

FIELDSEVER
PORTS & PINS
CONSULT THIS DIAGRAM

BASE NAME:	DATE 04/05/04
FILE NAME:	BY: MC



Communications functions - Supported functions at a glance:

Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Analog Input	Analog Input Registers
Digital Input	Discrete Input Registers
Analog Register	Input and Output Registers
Digital Register	Input and Output Registers
Analog Output	Analog Output Registers
Digital Output	Discrete Output Registers
Floating Point	Floating Point Register

Read and Write Operations supported

FieldServer as a Client
Read Analog Status:
Read Output Registers (4xxxx)
Read Input Registers (3xxxx)
Read Binary Status:
Read Discrete Output Status (0xxxx)
Read Discrete Input Status (1xxxx)
Write Analog Setpoints:
Preset Single Register (4xxxx)
Preset Multiple Registers (4xxxx)
Write Binary Commands:
Force Single Coil (0xxxx) excluding (7xxx-7999)
Force Multiple Coils (0xxxx) excluding (7xxx-7999)
Read Floating Point Value:
Read Floating Point Register (7xxx – 7999)
Write Floating Point Value:
Set Floating Point Register (7xxx – 7999)

Unsupported Functions and Data Types

Function	Reason
Programming messages	FieldServer is a data transfer device, and as such, programming messages are not required



Revision History

Date	Resp	Format	Driver Ver.	Doc. Rev.	Comment
12/08/03	DR		1.00dB	1	Updated to new format.
12/09/03	DR		1.00dB	2	Removed server driver capability until supported.
12/09/03	DR		1.00dB	3	Better explain client node capabilities.
04/05/04	Meg	Meg	1.00dB	4	Updated formatting. Added connection diagram. Added new revision table.
6/14/04	JD		1.00dB	5	Releasing