



FieldServer Driver - Ethernet FS-8704-03 Modbus TCP

Description

The Modbus TCP driver allows the FieldServer to transfer data to and from devices over Ethernet using Modbus/TCP protocol. The FieldServer can emulate either a Server or Client. Up to 200 simultaneous Modbus connections are possible.

Fieldserver Mode	Nodes	Comments
Client	1	Only 1 client node allowed on Multidrop systems
Server	32	This is the limit per I/Net Panel. The 32 nodes correspond to the maximum of 32 MR's that an I/Net Panel supports.

Formal Driver Type

Ethernet
Client or Server

Compatibility Matrix

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

Connection Information

Connection type: Ethernet
Ethernet Speeds Supported 10Base-T, 100Base-T¹

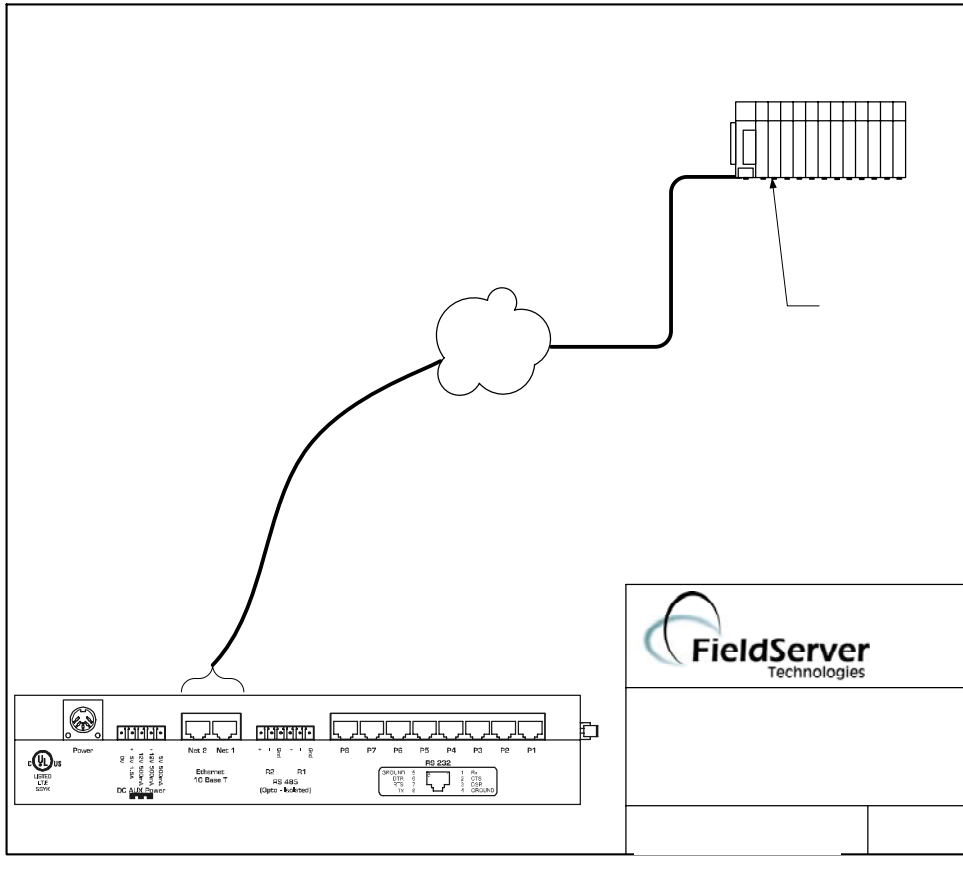
Devices tested

Device	Tested (FACTORY, SITE)
Quantum PLCs	Customer
Fix Intellution	Factory
Wonderware Intouch	Factory
GE Simplicity	Customer
Others	Please contact Factory

¹ Not all FieldServer models support 100BaseT. Consult the appropriate instruction manual for details of the Ethernet speed supported by specific hardware.



Connection configurations



SITE
ETHERNET

FS-8915-10

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Communications functions - Supported functions at a glance:

Data Types Supported

Command	Description
01	Read Discrete Output Status (0xxxx)
02	Read Discrete Input Status (1xxxx)
03	Read Output Registers (4xxxx)
04	Read Input Registers (3xxxx)
05	Force Single Coil (0xxxx)
06	Preset Single Register (4xxxx)
15	Force Multiple Coils (0xxxx)
16	Preset Multiple Registers (4xxxx)
EX	Exception Status
FF	FIFO

Data Type	Comments
ASCII	8-bit character
Digital	Digital
Float	32-bit IEEE floating point
Long	Unsigned 32-bit integer
Signed	Signed 16-bit integer
Slong	Signed 32-bit integer
Unsigned	Unsigned 16-bit integer



Revision History

Date	Resp	Format	Driver Ver.	Doc. Rev.	Comment
8/25/04	Meg	Meg	1.00	1	Converted to New Format. Added connection diagram. Updated according to DUR0338.
8/26/04	Meg	Meg	1.00	2	Updated Connection Information – DUR0414