



Driver Version:	4.02
Document Revision:	7

FieldServer Driver - Serial FS-8700-01 Modbus RTU

Description

The Modbus RTU driver allows the FieldServer to transfer data to and from devices over either RS-232 or RS-485 using Modbus RTU protocol. The FieldServer is capable of being used as a port expander.

The FieldServer can emulate either a Server or Client. The FieldServer is capable of supporting devices that use two Modbus Registers to transfer IEEE floating point format.

Fieldserver Mode	Nodes	Comments
Client	1	Only 1 client node allowed on Multidrop systems
Server	255	Actual electrical loading may reduce number of usable server nodes

Formal Driver Type

Serial
Client or Server

Compatibility Matrix

FieldServer Model	Compatible with this driver
FS-x2010	Yes
FS-x2011	Yes
FS-x40	Yes
FS-x30	Yes

Connection Information

Connection type: RS-232 or RS-485 (Two wire, Half-Duplex)
Baud Rates: 110-11520
Data Bits: 8
Stop Bits: 1
Parity: None
Multidrop Capability: Yes



Proprietary Physical Interfaces Supported

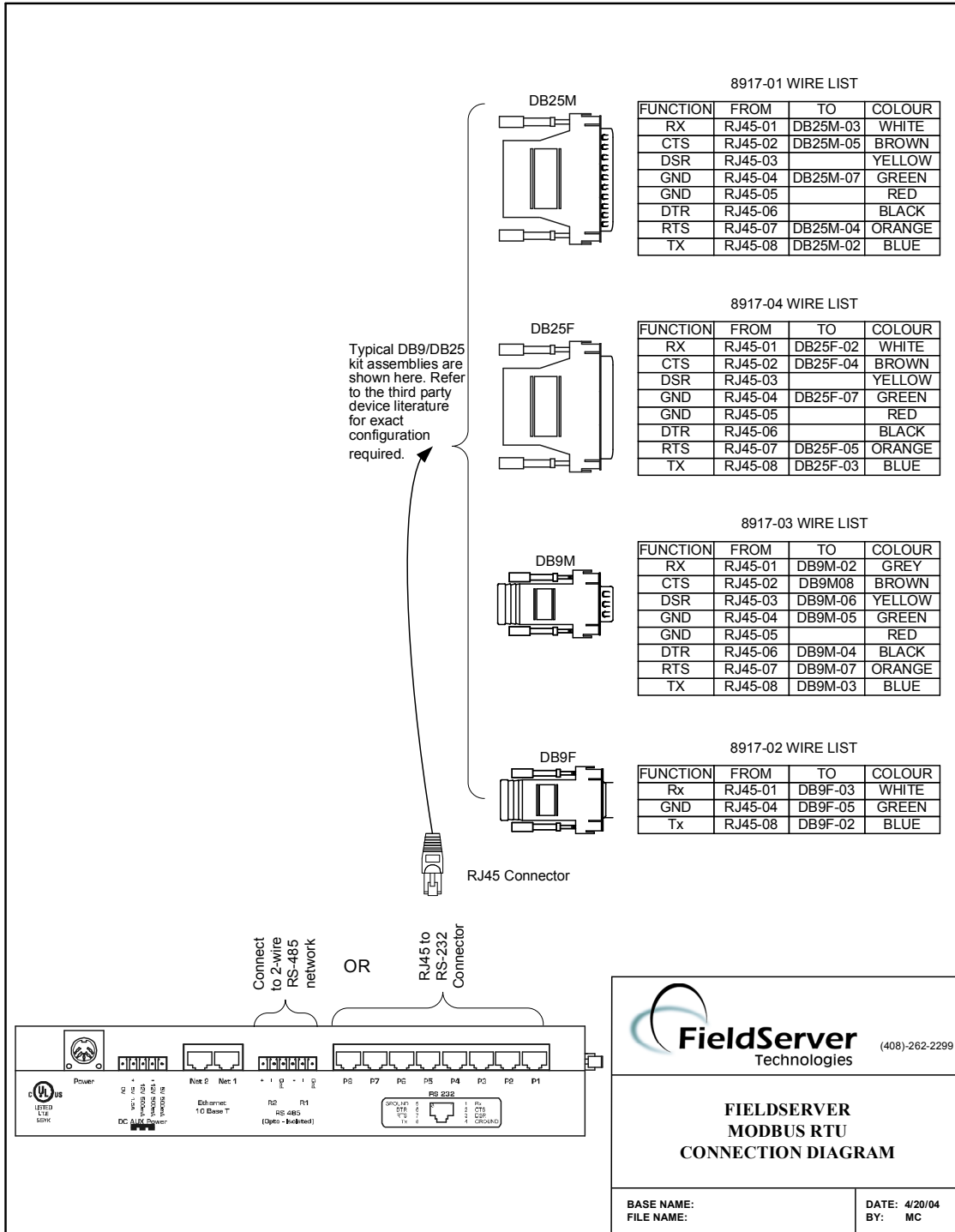
Fieldserver Model	Adapter Model #	Vendor	Physical Medium

Devices tested

Device	Tested (FACTORY, SITE)
Modbus RTU Devices	Factory
Liebert Sitelink	Customer
Square D Activar 58	Customer
Triatek	Customer
WonderWare InTouch	Factory
Fix Intellution	Factory
GE Cimplicity	Customer
Modscan	Factory
GE PLEPM	Factory
ABB Extrel	Customer
Andover Controls	Customer
Eurotherm Chessel	Customer
Sierra Monitor Sentry	Factory
Magnatek	Customer
Others	Please contact Factory



Connection configurations





Communications functions - Supported functions at a glance:

Function Codes Supported:

Function Codes	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)

