

Description

The Serial RussElectric Model 2000 driver allows the FieldServer to transfer data to and from devices over either RS-232 or RS-485 using RTU protocol. The RussElectric Model 2000 drivers implement a Model 2000 Client and a Model 2000 Server. The Client driver can read data from a remote Server and send write data commands. The Server driver emulates a Model 2000 device and responds to data read and write poll commands.

Formal Driver Type

Serial, Client or Server

Compatibility

FieldServer Model	Compatible
ProtoCessor	No
ProtoCarrier	No
ProtoNode	No
ProtoAir	No

FieldServer Model	Compatible
QuickServer FS-QS-10xx	No
QuickServer FS-QS-12xx	Yes
QuickServer FS-QS-20xx	Yes
QuickServer FS-QS-22xx	Yes
QuickServer FS-QS-3x10-F	Yes

Connection Information

Connection Type: RS-232 or RS-485

Baud Rates: 110; 300; 600; 1200; 2400; 4800; 9600; 19200; 28800; 38400; 57600; 115200

Data Bits: 8

Stop Bits: 1

Parity: Odd, Even, None (set to same as on Model 2000)

Multidrop Capability: Yes

Devices Tested

Device	Tested (Factory, Site)
Model 2000	Site

Communication Functions

Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Analog Register	Register
Digital Register	Output Table Discretes

Read Operations Supported

FieldServer as a Client	FieldServer as a Server
Read Analog Status	Provide Analog Status
Read Registers	Provide Register Values
Read Binary Status	Provide Binary Status
Read Output Table	Provide Output Table Values

Write (Control) Operations Supported

FieldServer as a Client	FieldServer as a Server
Write Analog Setpoints	Accept Analog Setpoints
Preset Single Register	Accept Single Register Presets
Write Binary Commands	Accept Binary Commands
Force Single Output	Accept Force Single Outputs

Unsupported Functions and Data Types

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