

## 1 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.

## 2 FORMAL DRIVER TYPE

Serial

Client or Server

## 3 COMPATIBILITY MATRIX

FieldServer Model	Compatible with this driver
FS-x2010	Yes
FS-x2011	Yes
FSx25	No
FS-x30	Yes
FS-x40	Yes
SlotServer	Yes
ProtoCessor FPC-FO2	No
ProtoNode	No
ProtoCessor FPC-FD2	No
QuickServer FS-QS-1010	No
QuickServer FS-QS-1011	No

## 4 CONNECTION INFORMATION

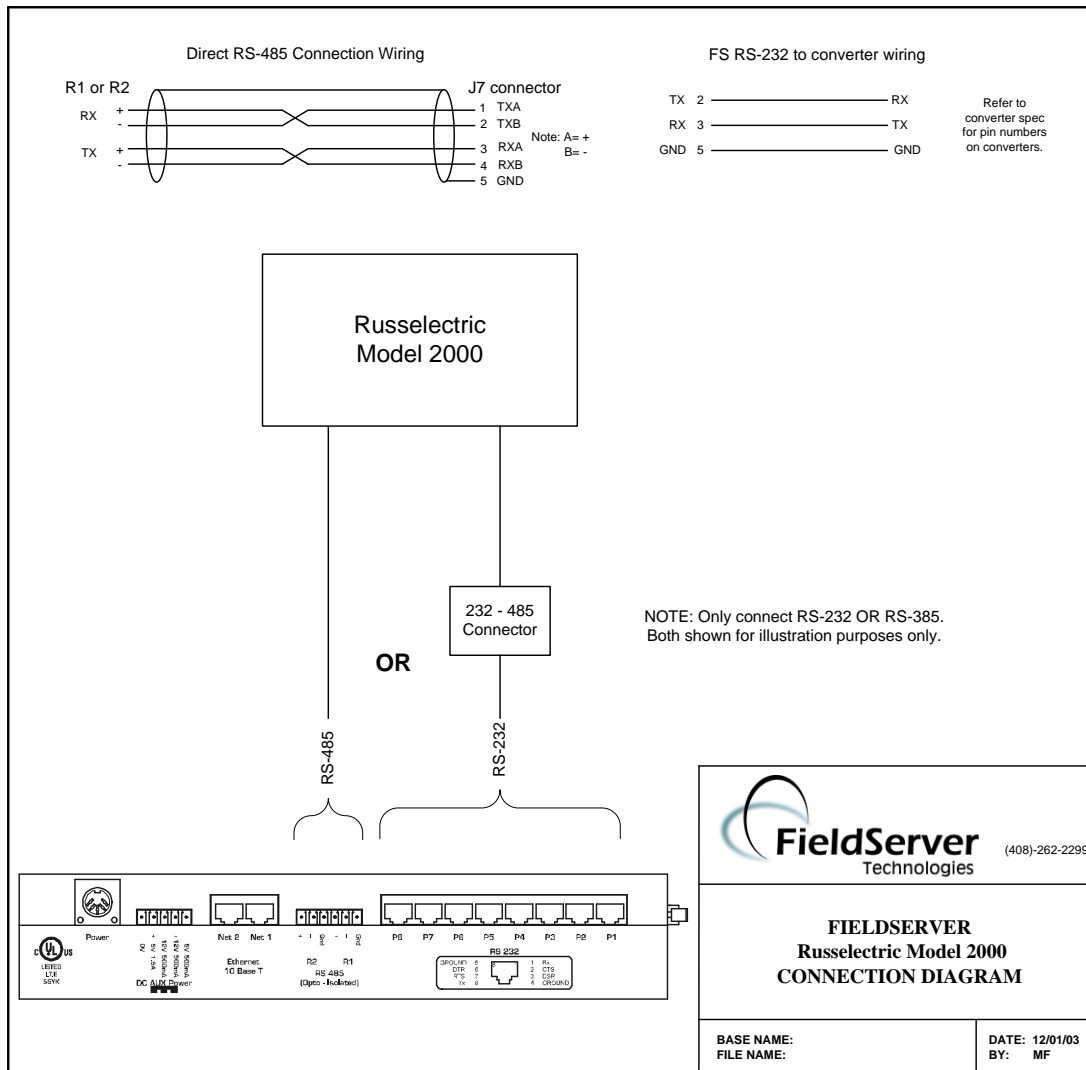
Connection type: RS-232 or RS-485  
Baud Rates: 110; 300; 600; 1200; 2400; 4800; 9600; 19200; 28800; 38400; 57600; 115200  
Data Bits: 8  
Stop Bits: 1  
Parity: Odd, Even, None ( set to same as on Model 2000)  
Multidrop Capability Yes

## 5 DEVICES TESTED

Device	Tested (FACTORY, SITE)
Model 2000	SITE

## 6 CONNECTION CONFIGURATIONS

The following diagram shows the connection of a Model 2000 to a FieldServer.



### 6.1 Connection Notes

Please refer to the latest Model 2000 user manual for cable building instructions.

## 7 COMMUNICATIONS FUNCTIONS - SUPPORTED FUNCTIONS AT A GLANCE:

### 7.1 Data Types Supported

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

## 7.2 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

## 8 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

## 9 UNSUPPORTED FUNCTIONS AND DATA TYPES

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