

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

| FieldServer Model | Compatible |
|------------------------|------------|
| FS-B35 Series | Yes |
| ProtoNode/ProtoAir | No |
| QuickServer FS-QS-10xx | No |
| QuickServer FS-QS-12xx | Yes |
| QuickServer FS-QS-20xx | No |
| QuickServer FS-QS-22xx | Yes |

4 CONNECTION INFORMATION

Connection Type: RS-232 or RS-485
 110; 300; 600; 1200; 2400;
 Baud Rates: 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 COMMUNICATIONS FUNCTIONS

6.1 Data Types Supported

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

6.2 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 |

6.3 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 |

6.4 Unsupported Functions and Data Types

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