## 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 |
| 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   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 |

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