



FieldServer Driver - Serial FS-8700-51 United Power FIM

Description

The United Power FIM driver is used to interface to FIM modules to monitor the status of connected Uninterruptible Power Supplies. The driver can be used as a client to poll for UPS status or can be used as a server to emulate a FIM module. Analog and Digital status data can be retrieved from a FIM module. The driver works over either a RS-232 port or over a RS-485 port allowing multi-dropped FIM modules to be accessed.

Formal Driver Type

**Serial
Client or Server**

Connection Information

Connection type: RS-232 or RS-485
Baud Rates: 9600 Baud
Data Bits: 8
Stop Bits: 1
Parity: None
Multidrop Capability Yes

Devices tested:

Device	Tested
FIM module	Factory

Communications functions

Supported functions at a glance:

Data Types Supported

FieldServer Data Type	Description (or Device Data Type)
Analog Input	Voltage, Current, Power, etc
Digital Input	Digital contact state



Read Operations supported

FieldServer as a Client	FieldServer as a Server
Read Analog Status:	Provide Analog Status:
Input Voltage A-B	Input Voltage A-B
Input Voltage B-C	Input Voltage B-C
Input Voltage C-A	Input Voltage C-A
Output Voltage A-B	Output Voltage A-B
Output Voltage B-C	Output Voltage B-C
Output Voltage C-A	Output Voltage C-A
Current Phase A	Current Phase A
Current Phase B	Current Phase B
Current Phase C	Current Phase C
Current Neutral	Current Neutral
Current Ground	Current Ground
Frequency	Frequency
Temperature	Temperature
Humidity	Humidity
Total kVA	Total kVA
Percentage Load Phase A	Percentage Load Phase A
Percentage Load Phase B	Percentage Load Phase B
Percentage Load Phase C	Percentage Load Phase C
Total kW	Total kW
kW Phase A	kW Phase A
kW Phase B	kW Phase B
kW Phase C	kW Phase C
Power Factor Phase A	Power Factor Phase A
Power Factor Phase B	Power Factor Phase B
Power Factor Phase C	Power Factor Phase C
kW Hours Phase A	kW Hours Phase A
kW Hours Phase B	kW Hours Phase B
kW Hours Phase C	kW Hours Phase C
Peak Demand	Peak Demand
Distortion Percentage Phase A	Distortion Percentage Phase A
Distortion Percentage Phase B	Distortion Percentage Phase B
Distortion Percentage Phase C	Distortion Percentage Phase C
Event Counter	Event Counter
Read Binary Status:	Provide Binary Status:
Digital Contact	Digital Contact

Unsupported Functions and Data Types

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



Protocol Driver



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Revision History

Date	Driver Version	Document Revision	Resp	Comment
5/21/02	1.00	0	DR	Created
8/14/03	1.00	1	JD	Releasing