

FS-8700-51

1 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.

2 FORMAL DRIVER TYPE

Serial

Client or Server

3 CONNECTION INFORMATION

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

4 DEVICES TESTED

Device	Tested (FACTORY, SITE)
FIM module	Factory

5 COMMUNICATIONS FUNCTIONS - SUPPORTED FUNCTIONS AT A GLANCE:

5.1 Data Types Supported

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

5.2 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 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
Even counter	Even counter
Read Binary Status:	Provide Binary Status:
Digital Contact	Digital Contact

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5.3 Unsupported Functions and Data Types

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