

INSTRUCTION SHEET

UPS SERIES

DB-9 ANALOG COMMUNICATION PIN DEFINITION



I-00363

Rev A

DB-9 ANALOG COMMUNICATION PIN DEFINITION

Primary DB-9 Connector

- UPS Shutdown
- Battery Status Notification
- Power Failure Notification

Analog contact operation table

Pin No	Description
1	Indicates battery condition. If battery low condition occurs, pin 1 is low, otherwise pin 1 will be high
4	If pin 4 condition goes high (5V to 12V) for 10-15 seconds then shutdown will occur.
5	Ground. Connect to ground (common) of control system I/O
7	+5VDC to + 12VDC must be applied to pin 7 from control system I/O in order for communication to function
8	Indicates utility power condition. If a power failure occurs pin 8 is low otherwise pin 8 is high

Note: Primary DB-9 supports RS-232 as well as analog contact operation

1) To Initialize Communication:

Pull Pin 7 high (+5 VDC to +12 VDC from control system)

2) Monitoring UPS Status:

Pin 1: (High) Battery capacity is normal
(Low) Battery is low

Pin 8: (High) Utility power is normal
(Low) Utility power failure

(High = + 5V - + 12V)

(Low = < 1V)

Secondary DB-9 Connector

- Battery Status Notification
- Power Failure Notification
- Does Not Support UPS Shutdown

Analog contact operation table

Pin No	Description
1	Indicates battery condition. If battery low condition occurs, pin 1 is low, otherwise pin 1 will be high
4	This function is not available on the secondary connector
5	Ground. Connect to ground or common of control system I/O
7	+5VDC to + 12VDC must be applied to pin 7 from control system I/O in order for communication to function
8	Indicates utility power condition. If a power failure occurs pin 8 is low otherwise pin 8 is high

1) To Initialize Communication:

Pull Pin 7 high (+5 VDC to +12 VDC from control system)

2) Monitoring UPS Status:

Pin 1: (High) Battery capacity is normal
(Low) Battery is low

Pin 8: (High) Utility power is normal
(Low) Utility power failure

(High = + 5V - + 12V)

(Low = < 1V)