Function Description

PS/ON function pin (pin 8, pin 6) accepts more than 5 V high level signal to turn on and off.

Pin Assignment

Pin Function
0/0 Utility Failure
0/0 UPS On
0/0 Load Battery
0/0 standby
0/0 Power Supply
0/0 Comm
0/0 Alarm
0/0 Fault
0/0 Inverse Mode
0/1 Mode
0/1 Remote
0/1 Remote
1/0 Normal

Installation

Auto-protects industrial equipment & communication applications.
IM Series (A) 8000 & Workstations equips.

9-pin port

Electrical parameters of DB-9 port

Product Introduction
Application:
Below shows the circuit of basic application to implement monitoring and control.

User Interface for 12 V

User Interface for 24 V

5. Internal Logical Connection
IC controller of the card controls actions of 5 relays depending on the UPS status. Active-Close(A.C) terminal and Active-Open(A.O) terminal of each relay connect to pin 3 and pin 1 of a 3-pin connector respectively. The pin 2 of the 3-pin connector connects to the signal pin of the DB9 interface connector. The 2-pin jumper can be plugged to the 3-pin connector to either short-circuit Pin1 & Pin2(A.C) or short-circuit Pin3 & Pin2(A.O).

Fig 1 Pin definition and internal logical connection
Accordingly, if pin1 short-circuits with pin2 via the jumper, the status of dry contact signal will be ACTIVE CLOSE, refer to Fig 2. When the signal is active, the signal pin on the DB9 connector will connect with the common pin (pin5) via the relay.

Fig 2 Connection for ACTIVE CLOSE

If Pin3 short-circuit with Pin2(A.O) via the jumper, the status of dry contact signal will be ACTIVE OPEN, refer to Fig 3. When the signal is active, the signal pin on the DB9 connector will disconnect with the common pin (pin5) via the relay.

Fig. 3 Connection for ACTIVE OPEN

6 Jumper Set-up
The 3-pin connectors can be easily found just near to the relay. Refer to Fig. 4.

Fig.4 AS400 card

There are AC and AO white silk printings of the connector as shown in Fig. 5 to indicate pin1&2 in A.C and pin2&3 in A.O.

Fig. 5 AO and AC silk printings indicates each 3-pin connector status

To achieve ACTIVE CLOSE dry-contact signal, the jumper should connect the 2 pins(Pin1&2) as shown in Fig. 6.

Fig. 6 Jumper setting for ACTIVE CLOSE

To achieve ACTIVE OPEN dry-contact signal, the jumper should connect the middle pin and the pin3 as shown in Fig. 7.

Fig. 7 Jumper setting for ACTIVE OPEN

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