

CICP2800EXPRDBD

8 Reader Expansion Board

Installation Instructions

GENERAL INFORMATION

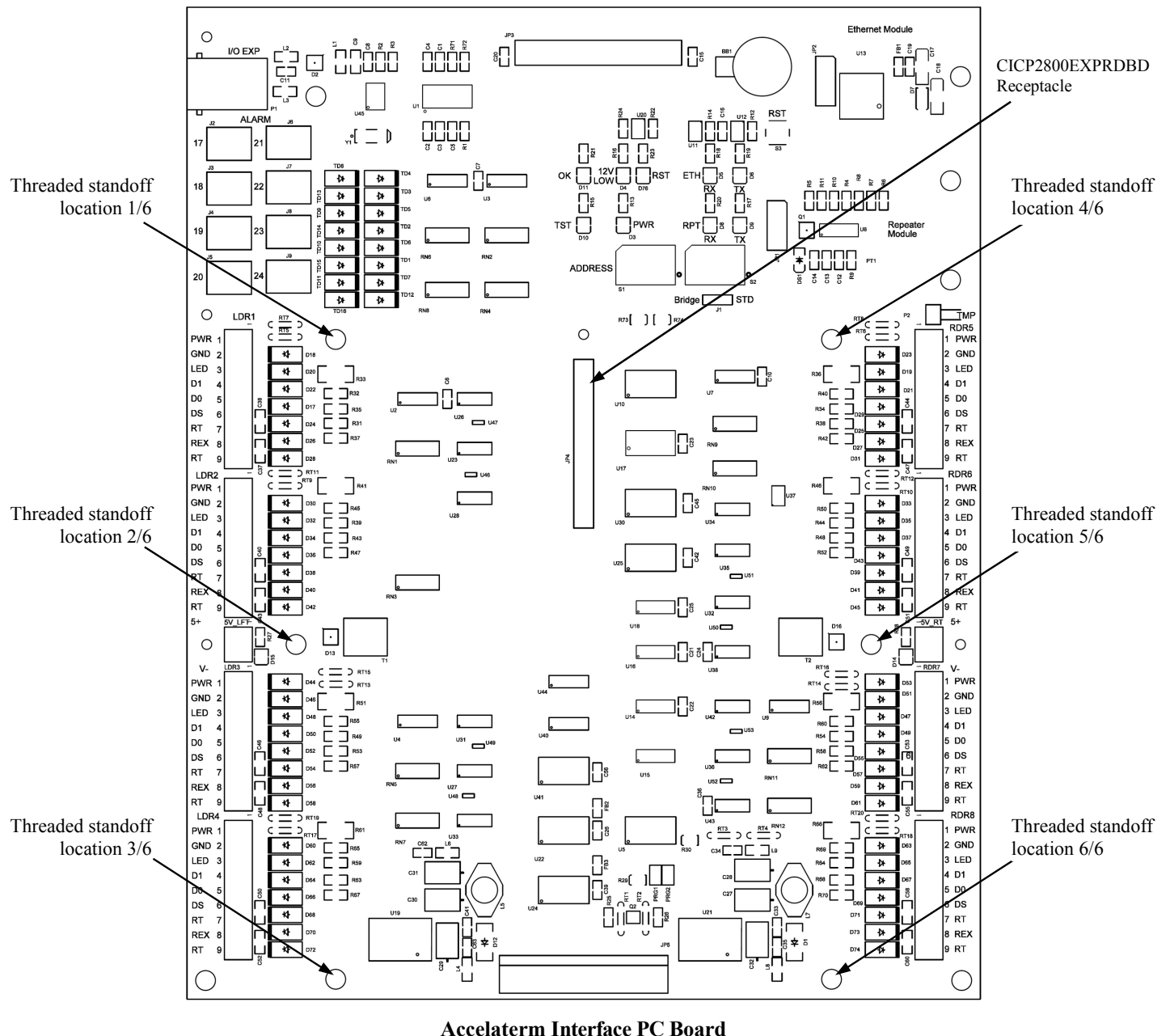
The standard version Accelaterm provides access control functions for eight doors and eight card readers. The plug-in eight reader expansion board adds capability for eight more readers and the associated supervised door sensor and bypass inputs. Each 12V reader may draw 350mA from the PWR pin of the reader connector. The interface board and expansion board each supply 5V power for special readers and accessory equipment. The 5V power is highly filtered

and separate from the logic power.

Each of the 8 alarm inputs on the main board may be configured as supervised alarms (requiring termination resistors), or standard alarms (requiring plain electrical contacts).

Installation

Remove power from the system, and disconnect the batteries. Install the CICP2800EXPRDBD into the Accelaterm interface board by first inserting 6 threaded standoffs (provided)



into the 6 threaded standoff locations in the Accelterm interface board shown on page 1. Then plug the CICIP2800EXPRDBD 8 Reader Expansion Board into the connector located at the center of the interface board. Finally, insert 6 screws (provided) into the 6 screw holes detailed in the image below.

See installation instructions WI1989 for more information regarding the installation of the Accelterm control panel.

SPECIFICATIONS

12VDC rated at 20mA.

Internally-Routed Power for Locks 9-16

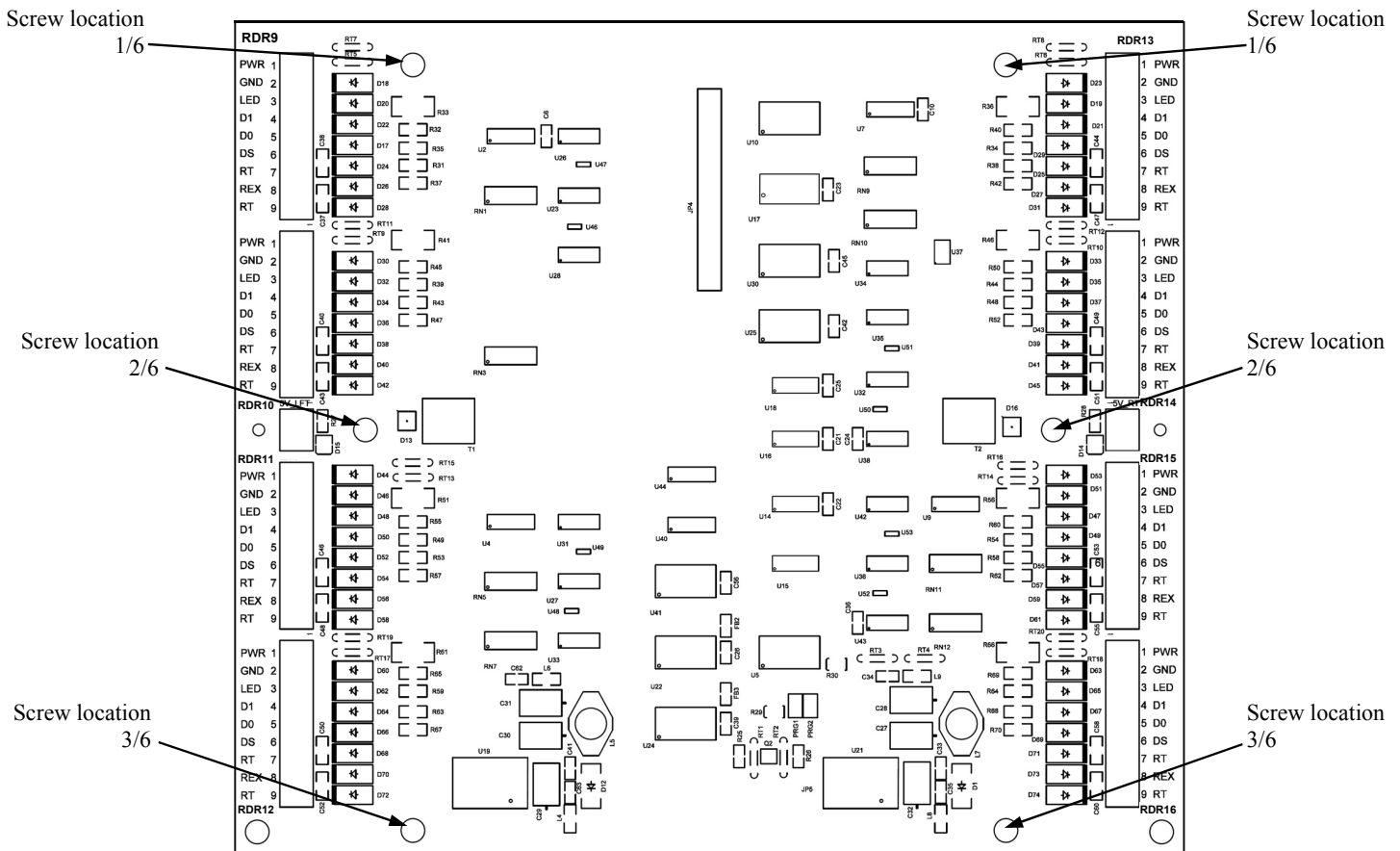
When the Eight Reader Expansion Board is added, relays 9-16 are normally used to control the locks. The control may be with familiar dry contact power connected to each circuit, or field wiring can be greatly simplified by routing the lock power through the Accelterm Relay Board.

To the right of the center line on the Relay Board, find JP4 marked LOCK PWR IN [9-16]. A 9CICP2800AUXH Accessory Cable provides two pairs of conductors for two power-limited circuits. The power supply may be one or two UL603 or UL294 listed units. Normally battery-backed, these may be 12VDC or 24 to 28VDC.



Considerations for use of 24VDC Equipment

- Magnetic locks drain half the current at 24V than at 12V for the same holding force.
- Losses in the wiring resistance are ¼ that of the lower voltage. This is significant if high-holding force locks must be used.
- Many UL294 / UL603 power supplies offer selectable voltage, at the same current and cost.



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