SUPER TWO®

Supervised Alarm/Relay I/O Board

Model CICP1300IOBD

Installation Guide

Refer to Installation Instructions WI1473 or WI1515

Continental Access

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WI1521 3/06

PC Board Layout: Alarm/Relay Board (CICP1300IOBD)

INDICATORS
- **EVENT** - Flashes on/off to indicate a change in any Alarm Input status.
- **OK** - Flashes steadily to indicate a working connection to the control panel.
- **RELAY** - Indicates working power connection via 12V IN.
- **LOGIC** - Working 5 volt power from control panel.
- **LEDs near Relays** indicate activation of individual relay.

ADDRESS
A jumper must be set to X1, X2, or X3.
Each Board must be set to a different address.

I/O SERIAL SIGNAL and LOGIC POWER
Connect to control panel or pass-thru connector using the modular cable supplied.

12V IN
Powers the relay coils

SIXTEEN SUPERVISED ALARM INPUTS
May be configured as Normally-Open / Normally Closed; Supervised (requiring termination resistors) or Unsupervised (requiring plain electrical contacts).

RELAY CONTACTS
Normally-Open and Normally-Closed contacts available. Contacts rated 2A 24V AC/DC.

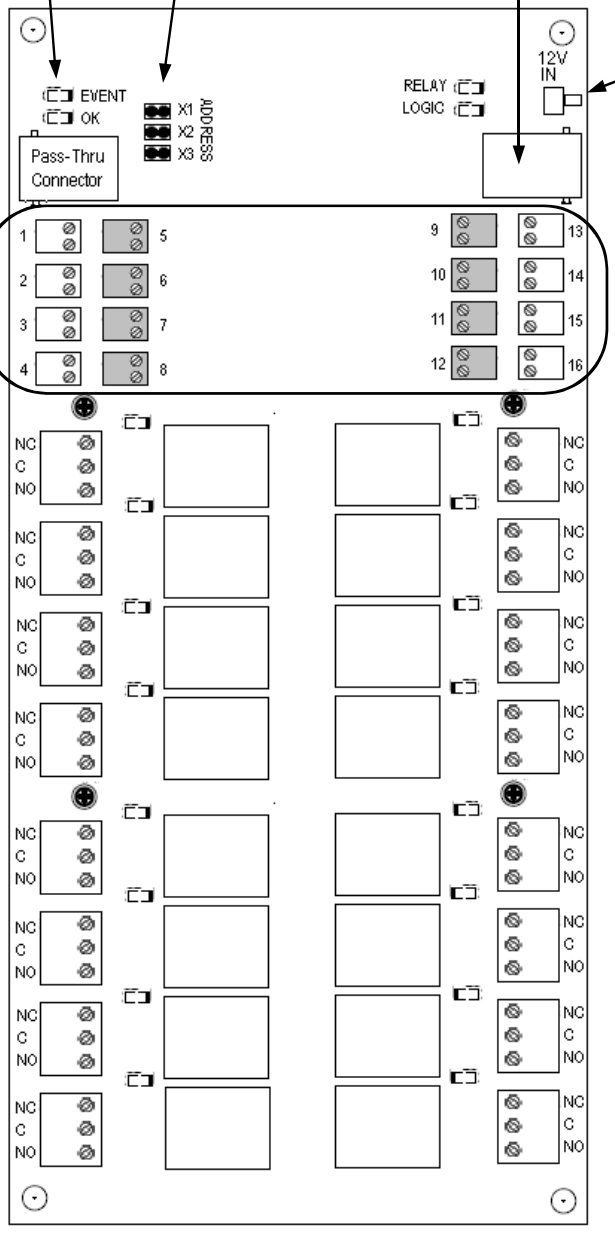
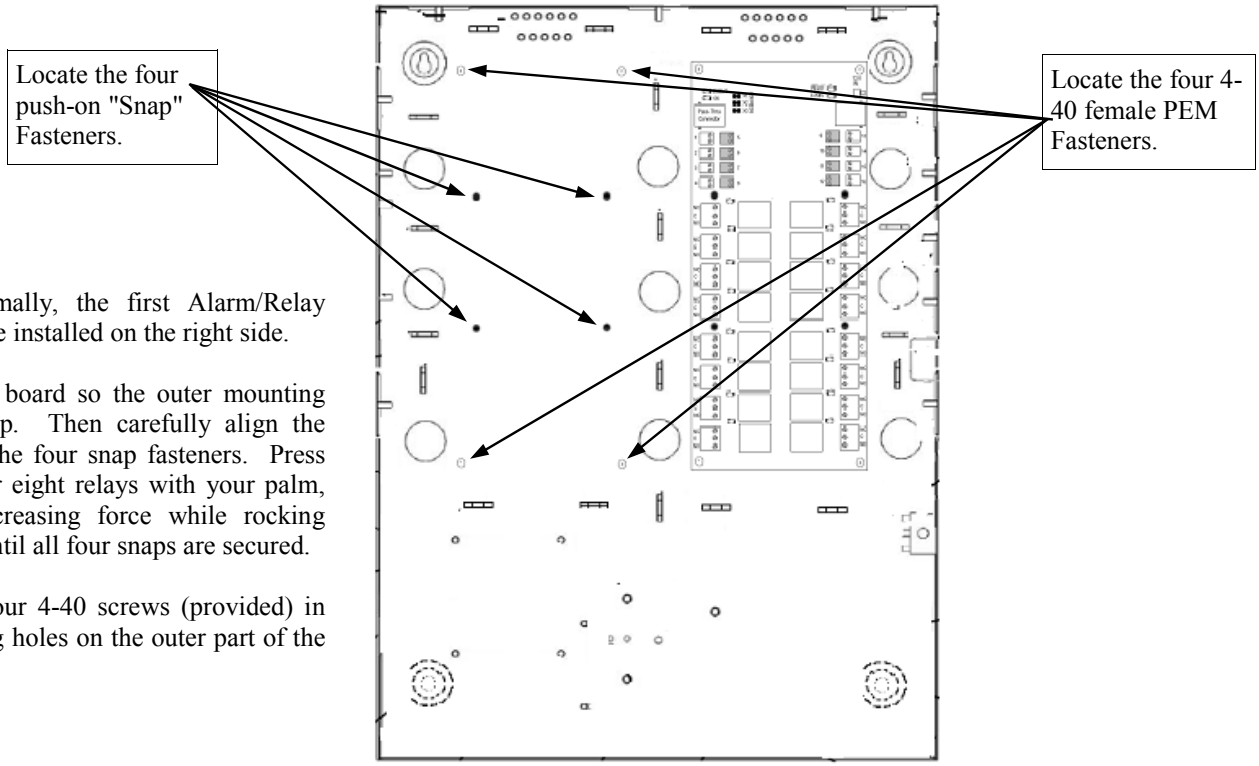


Figure 1 - **PC Board Layout**

Installing the Supervised Alarm/Relay (CICP1300IOBD) Boards



Note: Normally, the first Alarm/Relay Board will be installed on the right side.

Position the board so the outer mounting holes line up. Then carefully align the board over the four snap fasteners. Press on the upper eight relays with your palm, applying increasing force while rocking your palm until all four snaps are secured.

Install the four 4-40 screws (provided) in the mounting holes on the outer part of the board.

Figure 2 - Fastener Mounting Locations

Locate the **12V IN** connector on the upper-right of the board.

When being installed in the CICP1300IOCOMBO (with the power supply and battery) connect the small white Molex Connector from the cable plugged into **RLY PWR OUT** Connector.

When installed in the CICP1300ENCL (without the power supply and battery) use the long cable provided to connect to the Accessory Power Connector in the Access Control Panel. Note this cable may be routed with the Modular cable in the same conduit.

Connect the Short Modular Cable (provided) between the two Alarm/Relay boards.

Connect the Long Modular Cable (provided with the enclosure) to the adjacent Super Two panel or another I/O Expansion Unit.

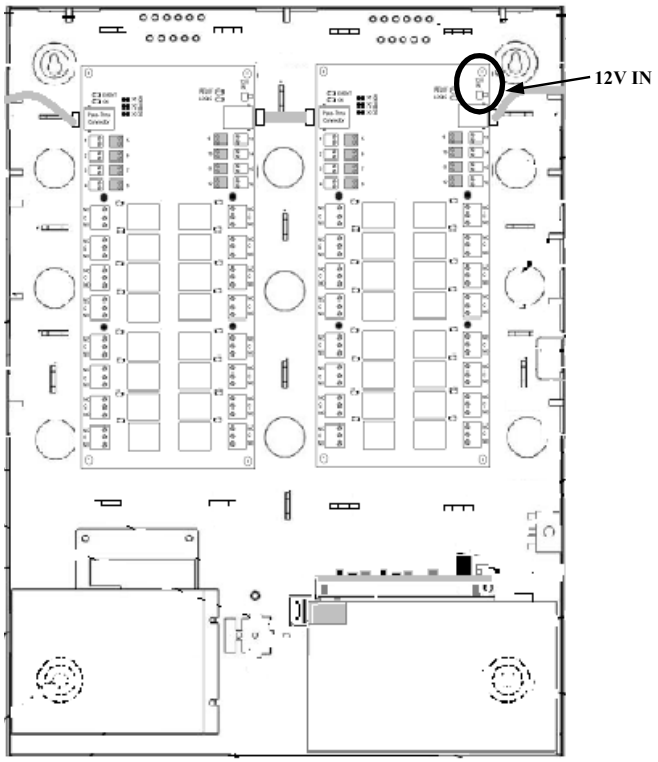


Figure 3 - Power Connection Locations

SPECIFICATIONS

SPECIFICATION	Quantity	Comments
Relays	16 (each PDB) per panel.	Form "C", contact rating of 2A @ 24V AC/DC 48 maximum per Super Two panel
Alarms	16 (each PDB) per panel.	Supervised or non-supervised (host programmable) 48 maximum per Super Two panel
Status LEDs	16 4	One LED per relay EVENT, OK, RELAY power, LOGIC power
Supply Voltage		12 Volts DC
Current Draw		500mA maximum
Temperature Range Operating Storage		 32-115°F (0-46°C) 32-149°F (0-65°C)
Relative Humidity		0% to 85% non-condensing
Link Programs	64	Standard

Cables	AWG	Type	Maximum Length
Alarm Inputs	22 ga	Stranded, shielded, w/drain 2-conductor alarm	500 ft (153m)
Relay Circuits	18 ga	Stranded, shielded, w/drain	500 ft (153m)

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