CIO-ERB24 COMPONENT LAYOUT

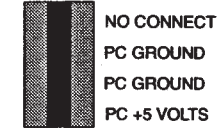SCREW TERMINAL AND MODULE NUMBERS CORRESPOND TO 8255 PORTS AS:

1,2,3,4,5,6,7,8 = PORT A BITS 0,1,2,3,4,5,6,7
9,10,11,12,13,14,15,16 = PORT B BITS 0,1,2,3,4,5,6,7
17,18,19,20 = PORT C LOW, BITS 0,1,2,3
21,22,23,24 = PORT C HIGH, BITS 4,5,6,7

NO CONNECT
PC GROUND
PC GROUND
PC +5 VOLTS

MOLEX TYPE CONNECTOR
MATES TO PC POWER
EXPANSION PLUG. INSIDE
PC.

DUAL 50 PIN CONNECTORS
ALLOW CHAINING OF HIGH
DENSITY DIGITAL I/O BOARDS

D37 CONNECTOR
CONNECTS SIGNALS TO
DIGITAL I/O BOARD
INSIDE PERSONAL COMPUTER

IN = CABLE FROM DIO BOARD

OUT = CABLE TO 2nd SSR-RACK24
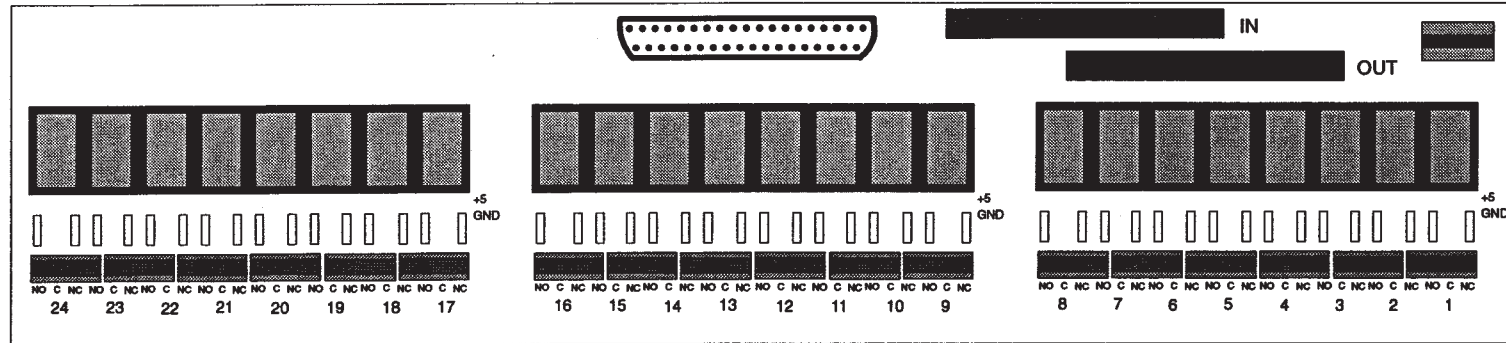
NOTE:
Power must be supplied through
MOLEX connector. Power may
not be supplied through the ribbon
cable

IN

OUT

+5
GND   +5
GND   +5
GND

NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC
24   23   22   21   20   19   18   17

NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC
16   15   14   13   12   11   10   9

NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC NO C NC
8   7   6   5   4   3   2   1

USER INSTALLED
PULL UP/DOWN
RESISTOR

Typical Channel

+5
GND

+5
GND

BUFFER/
DRIVER

C   NO   NC

OUTPUT FROM
DIGITAL
I/O BOARD

SCREW
TERMINALS

3 PER
RELAY

10k PULL
DOWN
RESISTOR
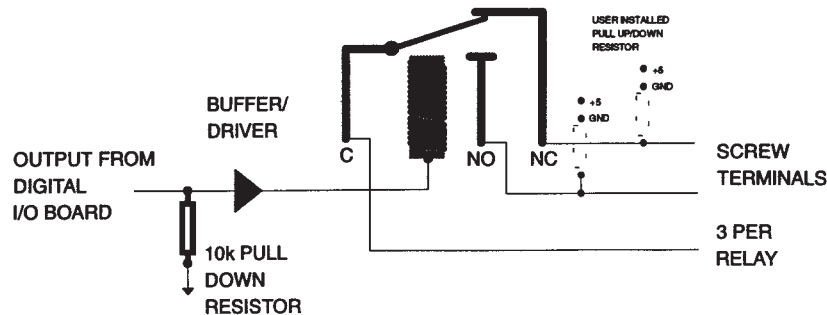
NO C NC

1

C = COMMON
NC = NORMALL CLOSED, BIT = 0
     POWER OFF/ON STABLE STATE
NO = NORMALLY OPEN
     CLOSED WHEN BIT = 1