


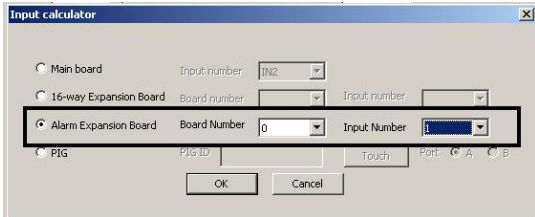
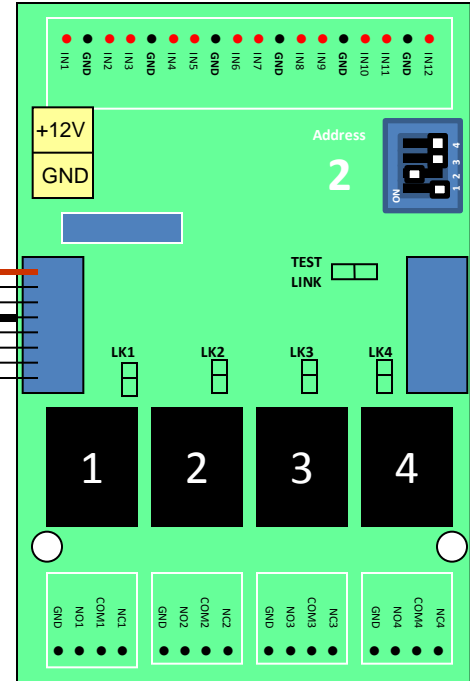
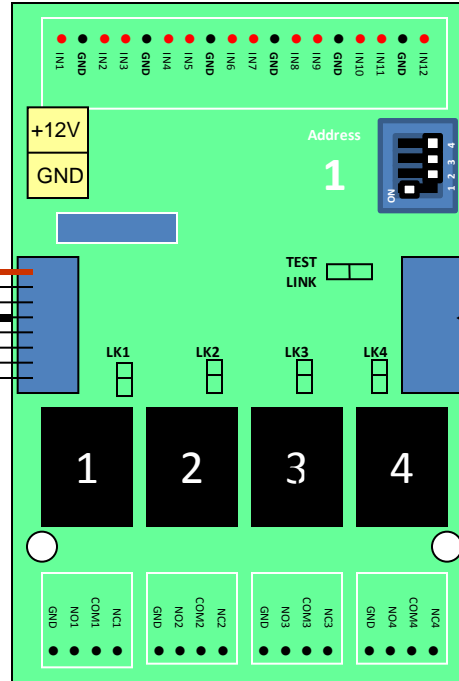
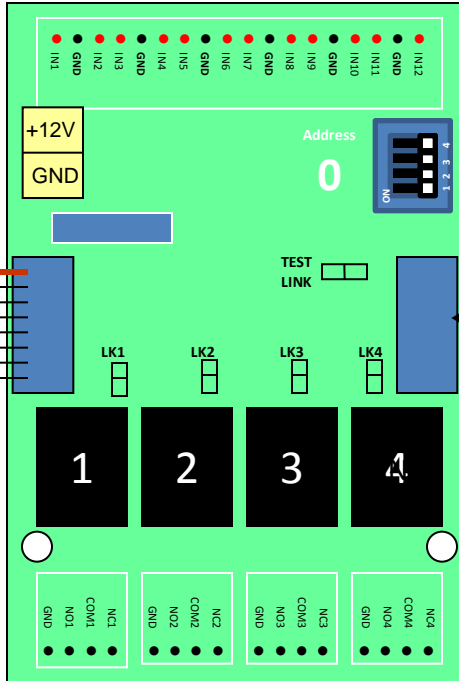
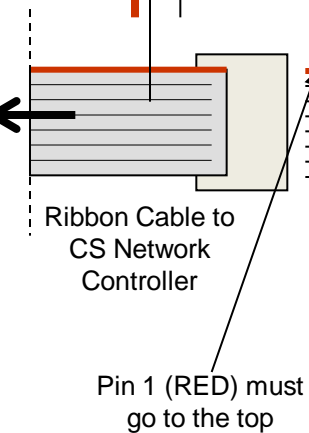
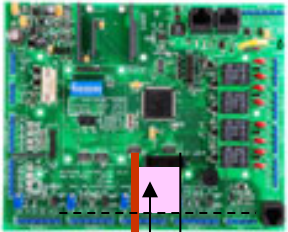
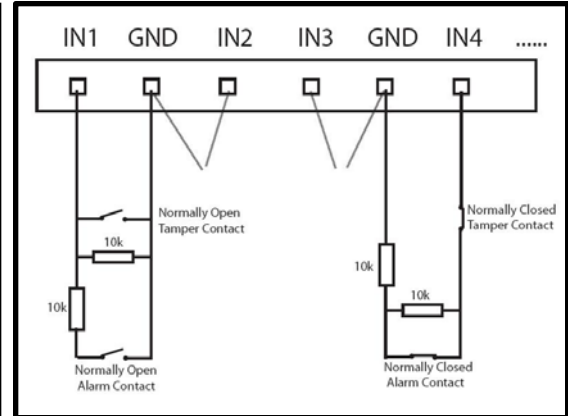
**POWER:**

Each expansion board requires +12VDC (max 100mA each) to be connected to the power terminal of each board.



**INPUTS:**

Each Input is a 4 State monitored Input (open, closed, open circuit, (tamper) short circuit (tamper)). Inputs require a 10k end of line resistor for seal. Fit a 10k resistor in series and another 10k resistor parallel to the device. (See image to the right). Input monitoring can be turned off via software and resistors not used if required.

**RELAYS:**

Do not use the relay to switch more than 24 volts DC.

Links LK1, LK2, LK3 and LK4 when placed ON put 12 volts DC on the common pin of each of the 4 relays.

**ADDRESSING:**

A maximum of five (5) expansion boards can be connected to each controller (total 60 inputs, 20 relays).

Always set the first board to address 0 (0000) (as shown above). Followed by '1' (0001) , '2' (0010) , '3' (0011) and '4' (0100) .

**TEST LINK:**

The test link enables 'test mode' to ensure the board is doing what it should.

Set the dip switch address to 0 to trigger relay 1.

Set the dip switch address to 1 to trigger relay 2. etc.