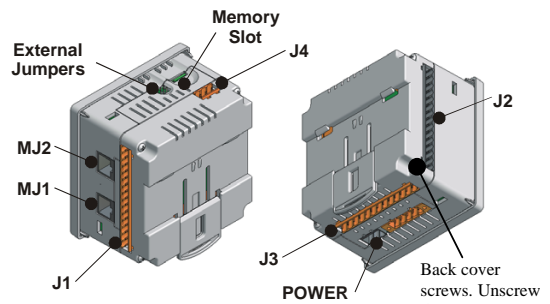
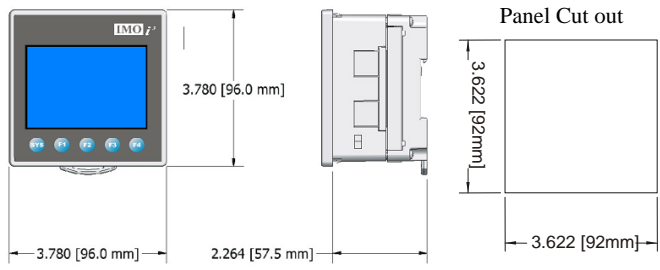


# i<sup>3</sup> User Start Up Guide **IMO**

**I3B12Y/20B05-SCHF** 24 Digital DC inputs, 16 Digital DC outputs, 2 10-bit Analogue inputs, CAN port, SD card, Touch screen.

1. Remove the battery tab adjacent to socket MJ2.
2. Connect the 24Vdc power as shown on the connector below.
3. Install i<sup>3</sup>-Configurator onto your PC.
4. Connect the programming cable into port MJ1.
5. Please ensure power is ON and i<sup>3</sup> is in Idle mode before inserting SanDisk microSD™.



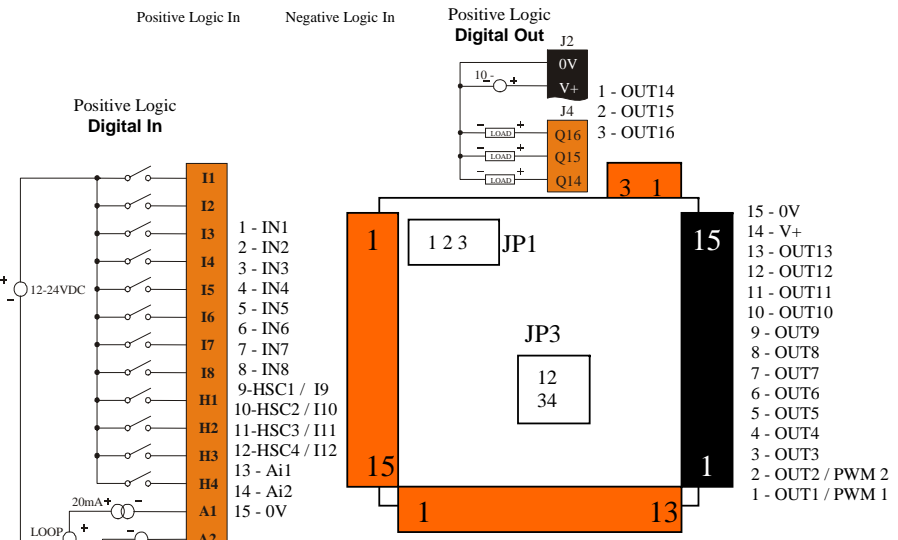
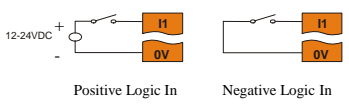
## Analogue I/O and Digital I/O Configuration

I/O Jumper settings are located internally. Remove the 4 screws on the back and lift casing off to access. **Only access when power is removed from the i<sup>3</sup>.** Care must be taken to avoid over tightening of the case screws.

JP1 Digital DC Inputs

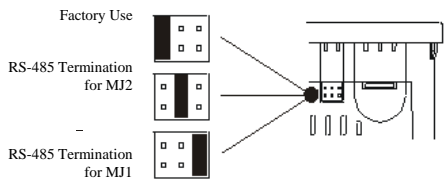
Positive Logic	Negative Logic
Default	
Description	JP1 Pins
24V pull up (PNP)	1-2
0V common (NPN)	2-3

**Digital Input**  
**Positive Logic vs. Negative Logic Wiring**  
 The i<sup>3</sup> can be wired for Positive Logic inputs or Negative Logic inputs depending on the position of JP1.



## Communication Port Configuration.

As seen when looking at the top of the i<sup>3</sup> unit.

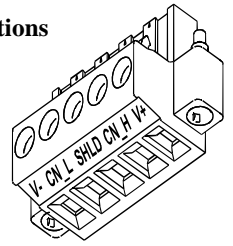


- 1 - Positive
  - 2 - Negative
  - 3 - Ground
- Power Connector**

**Power Up:**  
 Connect to Earth Ground.  
 Apply 10 - 30 VDC.  
 Screen lights up.

## CAN Connections

- 1 - V+
- 2 - CN\_H
- 3 - SHIELD
- 4 - CN\_L
- 5 - V-



CAN Connector

Pin	MJ1 Pins	MJ2 Pins
8	TXD OUT	TXD OUT
7	RXD IN	RXD IN
6	0 V Gnd	0 V Gnd
5	N/C N/C	N/C N/C
4	CTS OUT	TX- OUT
3	RTS IN	TX+ OUT
2	RX- / TX- IN / OUT	RX- IN
1	RX+ / TX+ IN / OUT	RX+ IN

For further technical information and a full specification, please consult the hardware guide

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