



...Display, Control, Communicate



I/O Setup Guide

Table of Contents

TABLE OF CONTENTS	2
1.0. SCOPE	3
2.0. I/O DEFINITION	3
2.1 MODEL TABLE	3
2.2 MODEL - 10A01-SOO (I3A12X MODEL ONLY).....	3
2.3 MODEL - 10D03-SCH.....	4
2.4 MODEL - 10B04-SCH.....	4
2.5 MODEL - 20B05-SOH.....	5
2.6 MODEL - 13C14-SOH.....	6

1.0. Scope

This specification is intended to define the *i*³ I/O board configuration.

2.0. *i*³ I/O definition

The *i*³ platform is available with five I/O variants, each variant has a unique I/O combination. The following defines the I/O and describes how to configure it:

2.1 Model Table

Table 1. below shows a summary of the model features against the model numbers:

Model Number	Digital Inputs	Analogue Inputs	Digital Outputs	Analogue Outputs	HSC	PWM	CAN
i3A12X/10A01-SOO	12	1 x 10 bit	6 Relay		4		No
i3A12X/10D03-SCH	12	4 x 10 bit	6 Relay		4		Yes
i3A12X/10B04-SCH	12	2 x 10 bit	12x.5A		4	2	Yes
i3A12X/20B05-SOH	24	2 x 10 bit	16x.5A		4	2	No
i3A12X/13C14-SOH	12	2 x 14 bit	12x.5A	2 (V or mA)	4	2	No
i3B12Y/10D03-SCHF	12	4 x 10 bit	6 Relay		4		Yes
i3B12Y/10B04-SCHF	12	2 x 10 bit	12x.5A		4	2	Yes
i3B12Y/20B05-SCHF	24	2 x 10 bit	16x.5A		4	2	Yes
i3B12Y/13C14-SCHF	12	2 x 14 bit	12x.5A	2 (V or mA)	4	2	Yes

Table 1. Summary of I/O features.

2.2 Model - 10A01-SOO (i3A12X Model only)

Figure 1 and Table 2. show the I/O board from the rear, the link positions and definitions:

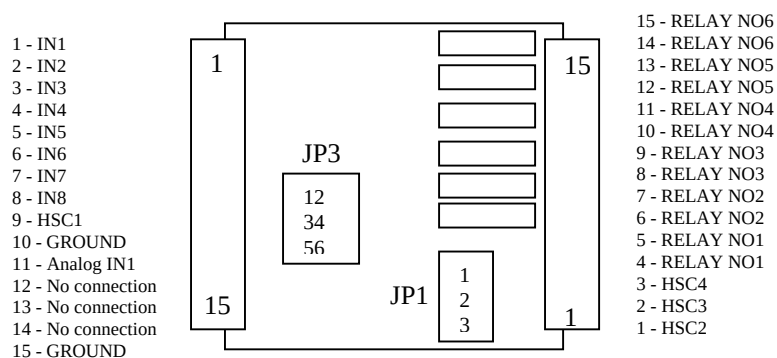


Fig 1. I/O Connections

JP1 Digital Input Common Position jumper	
Description	Pos
24V Pullup	2-3
0V Common	1-2
JP3 Analogue Input mode	
Position	Meaning
1-2	20mA
Open	10V

Table 2. Link Positions

2.3 Model - 10D03-SCH

Figure 2 and Table 3. show the I/O board from the rear, the link positions and definitions:

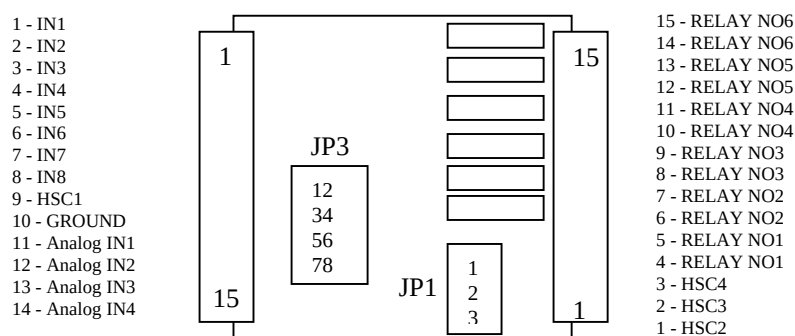


Fig 2. I/O Connections

JP1 Digital Input Common Position jumper	
Description	Pos
24V Pullup	2-3
0V Common	1-2
JP3 Analogue Input mode	
Position	Meaning
1-2	20mA
3-4	20mA
5-6	20mA
7-8	20mA
Open	10V

Table 3. Link Positions

2.4 Model - 10B04-SCH

Figure 3 and Table 4. show the I/O board from the rear, the link positions and definitions:

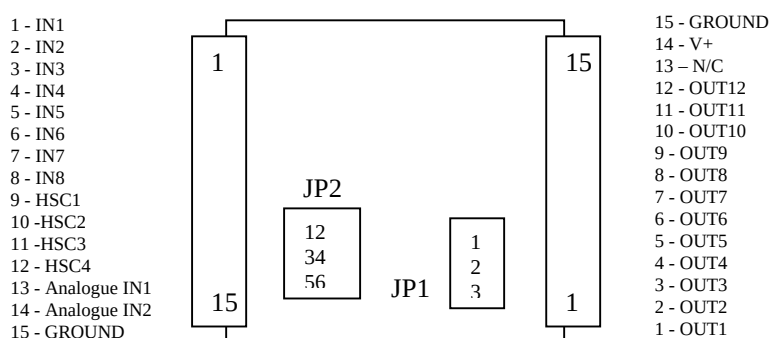


Fig 3. I/O Connections

JP1 Digital Input Common Position jumper		
Description	Pos	
24V Pullup	2-3	
0V Common	1-2	

JP2 Analogue Input mode		
Chan	Position	Meaning
AI1	1-2	20mA
AI2	3-4	20mA
	Open	10V

Table 4. I/O Link Positions

2.5 Model - 20B05-SOH

Figure 4 and Table 5. show the I/O board from the rear, the link positions and definitions:

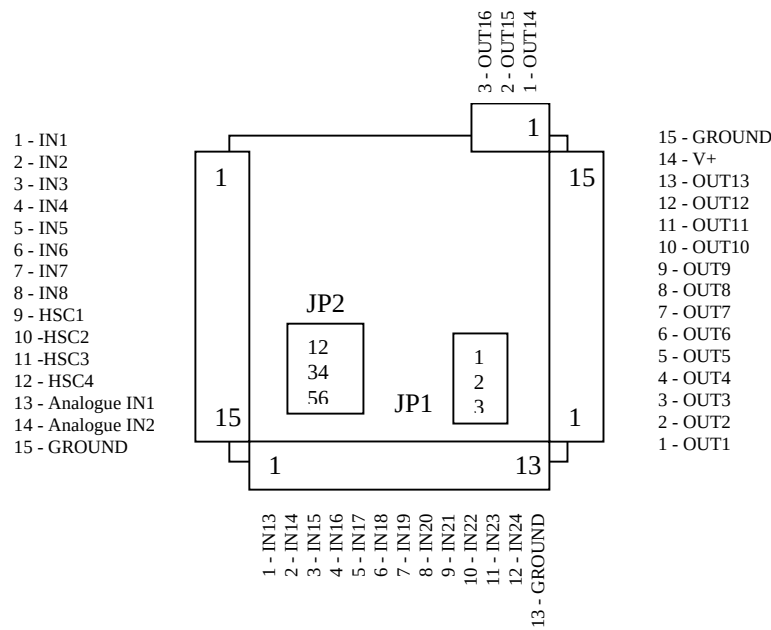


Fig 4. I/O Connections

JP1 Digital Input
Common Position jumper

Description	Pos
24V Pullup	2-3
0V Common	1-2

JP2 Analogue Input mode

Chan	Position	Meaning
AI1	1-2	20mA
AI2	3-4	20mA
	Open	10V

Table 5. I/O Link Positions

2.6 Model - 13C14-SOH

Figure 5 and Table 6 and 7. show the I/O board from the rear, the link positions and definitions:

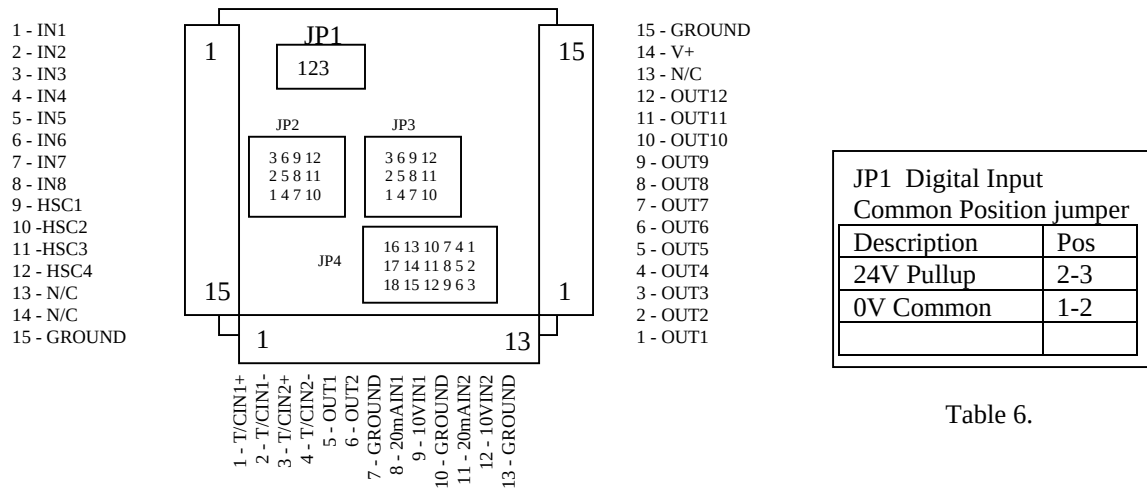


Table 6.

Figure 5. I/O Connections

JP2	20mA	10V	PT100	Thermocouple
AI 1	8-9	8-9	2-3	1-2
	11-12	11-12	5-6	4-5
			7-8	7-8
			10-11	10-11
JP3				
AI 2	8-9	8-9	2-3	1-2
	11-12	11-12	5-6	4-5
			7-8	7-8
			10-11	10-11
JP4				
OUTPUT 1	1-2	2-3		
	4-5	5-6		
	7-8	8-9		
OUTPUT 2	10-11	11-12		
	13-14	14-15		
	16-17	17-18		

Table 7. Analogue I/O Mode Jumper positions



IMO Precision Controls Limited
1000 North Circular Road
Staples Corner, London
NW2 7JP United Kingdom
Tel: +44 (0)20 8452 6444
Fax: +44 (0)20 8450 2274
Email: imo@imopc.com
Web: www.imopc.com



IMO Jeambrun Automation SAS
165 Rue Jean Jaures,
94700 Maisons Alfort
Paris, France
Tel: +33 (0)1 45 13 47 05
Fax: +33 (0)1 45 13 47 37
Email: info@imopc.fr
Web: www.imopc.fr



IMO Deutschland
Für weitere Einzelheiten
zu IMO Agenten und
Distributoren in Ihrer Nähe
schreiben. Sie bitte ein E-mail
an folgende Adresse:
imo@imopc.com



IMO Italia
Viale A. Volta 127/a
50131 Firenze, Italia
Tel: +39 800 783281
Fax: +39 800 783282
Email: info@imopc.it
Web: www.imopc.it



IMO Canada
Unit 10, Whitmore Road
Woodbridge, Ontario,
L4L 8G4 Canada
Tel: +1 905 265 9844
Fax: +1 905 265 1749
Email: imocanada@imopc.com



Cam Switches
Din Terminals
Drives
Enclosures
Fieldbus remote I/O
Isolators & Switch Fuses
MCB & RCD
Motor Circuit Breakers
Motor Control Gear
Panel Meters
Relays
Signal Conditioning
Sockets
Timers
Transformers &
Power Supplies



Drives
Intelligent Terminals/HMI
Limit Switches
Photoelectric Switches
PLCs
Proximity Switches
Temperature Controls



Data Acquisition & Control
Drives
Intelligent Terminals/HMI
Limit Switches
Photoelectric Switches
Proximity Switches
PLCs
Signal Conditioning
Temperature Controls



Lightguards
Safety Limit Switches
Safety Relays



Jaguar VXM 0.37-500KW
Jaguar VXSM 0.37-7.5KW
Jaguar CUB 0.37-2.2KW



Audible devices
Chip-on-Board
Device programmers
LEDs & 7 seg. displays
PCB Terminal blocks
Relays - automotive
Relays - power
Relays - signal
Switches

All IMO products are tried, tested and approved
to relevant international quality standards

