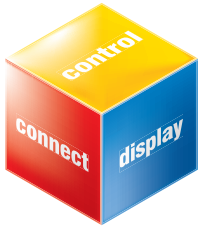


# *i*<sup>3</sup> Controller

# IMO





# i<sup>3</sup>

# the ultimate integrat

IMO, a leader in factory automation, presents *i<sup>3</sup>* a totally new concept in control!

*i<sup>3</sup>* provides the user with high performance HMI, fast and effective PLC and open Bus communications in one box!

*i<sup>3</sup>* has a unique case design that can be either panel or DIN rail mounted giving the user ultimate flexibility in positioning of the controller.

*i<sup>3</sup>* features a LED backlit LCD display with graphics and text capabilities, with an IP65 (NEMA4), programmable keypad providing the operator with control input.

*i<sup>3</sup>* comes with a mix of both digital and analogue I/O, including T/C and PT100 inputs making it ideal for process control applications.

*i<sup>3</sup>* interfaces directly to IMO Smart I/O expanding capabilities and providing greater flexibility in system design.

*i<sup>3</sup>* features two, multi-function serial communications ports that can be used for programming, expansion I/O and modem connection making the *i<sup>3</sup>* the most flexible controller in it's class.

*i<sup>3</sup>* has an array of in-built advanced controls such as PID, PWM, Modem, Alarm and Recipe functions and supported by FREE Software and the unique IMO 3 year warrantee.

- 128 x 64 LCD display
- Addressable function keys
- Dual Communications ports
- Up to 24 digital inputs (direct)
- Up to 4 analogue inputs (direct)
- Up to 16 digital outputs (direct)
- Up to 2 analogue outputs (direct)
- High speed counter
- Timers
- Stepper control (PWM)
- Modem interface
- Expansion I/O
- PID Control
- Alarm function
- Real time clock
- IP65 (NEMA4)



## general specification

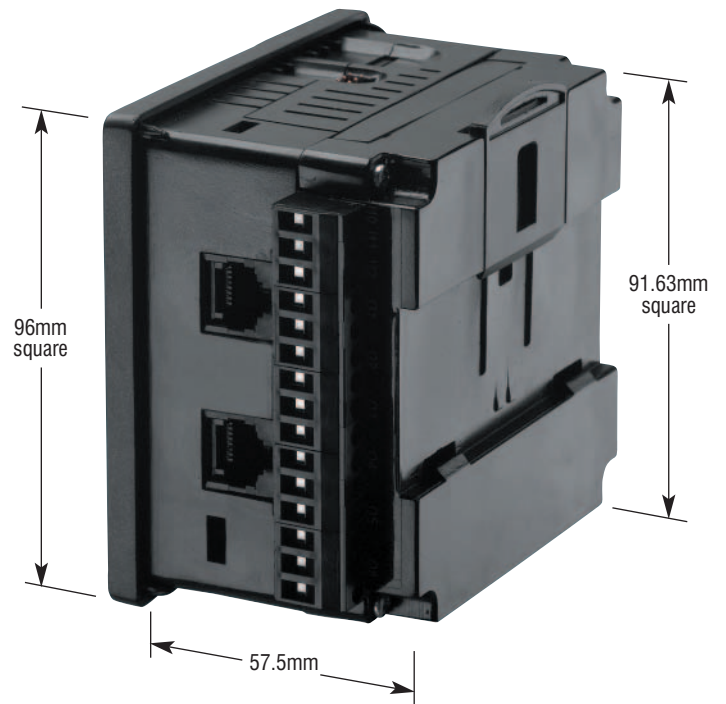
<b>Operating Voltage</b>		9Vdc to 30Vdc	
<b>Display</b>		STN LCD, 128x64, LED Backlit	
<b>Inputs</b>	Digital	12 Vdc	<3V logic 0 >9V logic 1
		24Vdc:	<5V logic 0 >17V logic 1
	Analogue	10 bit, 0-10V, 0-20mA, 4-20mA ± 2LSB	
		14 bit, 0-10V, 0-20mA, 4-20mA, PT100, TC ± 2LSB	
<b>Outputs</b>	Transistor	0.5A / channel Short Circuit protected	
	Relay	Max. 5A (resistive) 230Vac, 12/24Vdc N/O	
	Analogue	12 bit – (4096) ± 0.1% linearity error	
<b>Communication</b>		Port 1:	RS232
		Port 2:	RS232 / RS485
<b>Operating Temperature</b>		0 to 60°C	
<b>Storage Temperature</b>		-10 to 70°C	
<b>Panel Size</b>		96 x 96 x 60mm (DIN96)	
<b>Cut out</b>		92 x 92mm	
<b>Panel Rating</b>		IP65 / NEMA 4	

# ted control solution



DIN rail  
or panel  
mountable

actual size



**1 control 2 display 3 communication**

# i<sup>3</sup> features and accessories



	i3A12X/10A01-S00	i3A12X/10D03-SCH	i3A12X/10B04-SCH	i3A12X/20B05-S0H	i3A12X/13C14-S0H
CAN / miniCAN		●	●		●
Dual Serial Ports	●	●	●	●	●
12 Digital Inputs	●	●	●		●
24 Digital Inputs				●	
TC / PT100 Inputs					●
Relay outputs	●	●			
2 DC outputs (50mA)		●			
12 DC outputs (0.5A)			●		●
16 DC outputs (0.5A)				●	
4 analogue inputs		●			
1 analogue input	●				
2 analogue inputs			●	●	●
2 analogue outputs					●
High Speed Counter	●	●	●	●	●
Flash Memory & Ethernet	i3A12X/10A01-S00E	i3A12X/10D03-SCHE	i3A12X/10B04-SCHE	i3A12X/20B05-S0HE	i3A12X/13C14-S0HE
Flash Memory & Modem (EU)	i3A12X/10A01-S00M	i3A12X/10D03-SCHM	i3A12X/10B04-SCHM	i3A12X/20B05-S0HM	i3A12X/13C14-S0HM
Flash Memory & Modem (US)	i3A12X/10A01-S00U	i3A12X/10D03-SCHU	i3A12X/10B04-SCHU	i3A12X/20B05-S0HU	i3A12X/13C14-S0HU



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 an folgende Adresse:  
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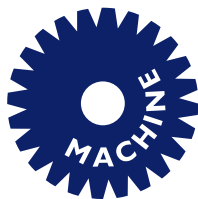
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- Cam Switches
- Din Terminals
- Drives
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- Fieldbus remote I/O
- Isolators & Switch Fuses
- MCB & RCD
- Motor Circuit Breakers
- Motor Control Gear
- Panel Meters
- Relays
- Signal Conditioning
- 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 0.37-4kW



- 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

