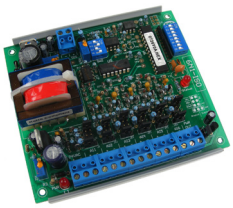
Max, Min, Average Module IO6N1

Description

The IO6N1 is a microprocessor controlled interface designed to provide maximum flexibility with a minimum of cost. With a variety of standard inputs the IO6N1 provides the user with the ability to interface several devices to the analog output. The IO6N1 can average two to six inputs, output the highest of two to six inputs, output the lowest of two to six inputs or output the difference of two inputs. Input ranges are jumper selectable and all modes and analog output are DIP switch selectable. Output signal is optically isolated from input signals. The IO6N1 also accepts up to 6 digital inputs (binary sequence) and outputs a proportional analog signal. The power output terminal can be used for power if the inputs are only contact closures.

Features



- Multiple Inputs
- Up to Six Analogue or up to Six Digital (Binary Sequence) Inputs
- Selectable Output can:
- Read Two to Six Inputs and Output the Average
- Read Two to Six Inputs and Output the Lowest
- Read Two to Six Inputs and Output the Highest
- Read Analogue Input One and Two and Output the Difference
- LED Power and Status Indicators
- Input and Output is optically isolated
- Selectable modes of operation using jumpers and DIP Switches
- 24 VAC Powered
- Equipped with plug-in terminal blocks

Technical Specification

Supply Voltage:	24Vac (+/- 10%), 50/60 Hz
Supply Current:	255 mA maximum
Power Out:	24Vdc or 15Vdc (Jumper selectable) 100 mA maximum
Input Mode (Six Analog)	
Voltage Range/Impedance:	0...5Vdc @ 1M ohms 0...10Vdc @ 20,000 ohms 0...20Vdc @ 10,000 ohms
Current Range/Impedance:	0...20mA @ 249 ohms (All ranges jumper selectable)
Input Mode (Binary)	
Six Digital:	15Vdc, 24Vdc or 24Vac +/-10% @ 100KΩ
One Analog Output:	0...5Vdc @ 1000 ohms 0...10Vdc @ 1000 ohms 0...20Vdc @ 1000 ohms 0...20mA @ 500 ohms maximum All ranges DIP switch selectable
Analog Mode Output Resolution +/- 2% of full scale	
Binary Mode Output Resolution 64 steps of resolution	
Dimensions:	10.16 x 11.75 x 2.54 cm
Weight:	6.6 oz (187grams)
Mounting:	DIN rail mounted
Operating Temperature:	0...70°C
Storage Temperature:	-20...80°C
Operating Humidity:	10% to 95% non-condensing

Order Code

IO6N1	Max, Min, Average Module

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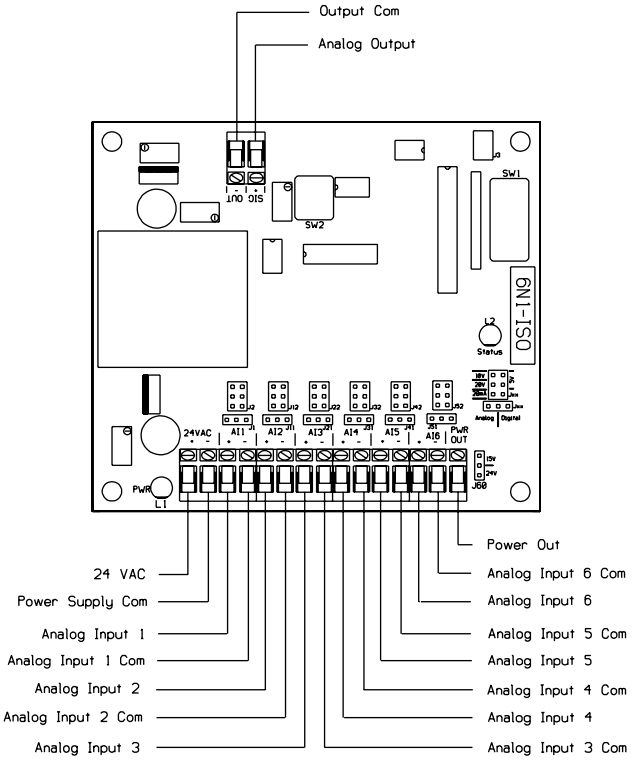
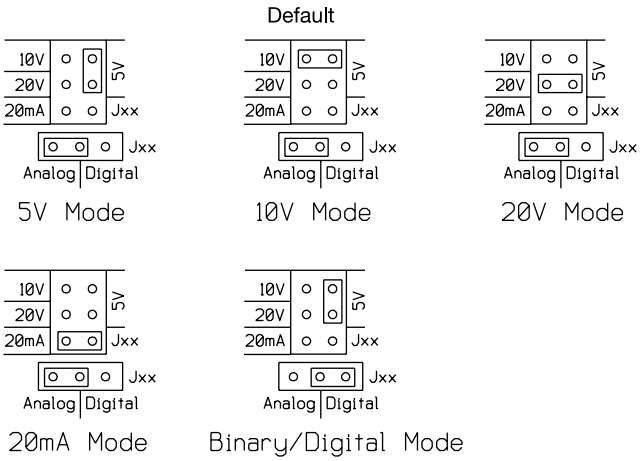
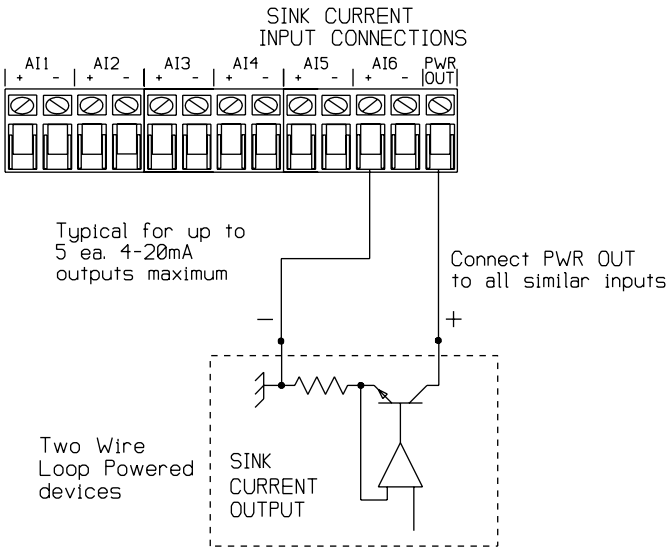
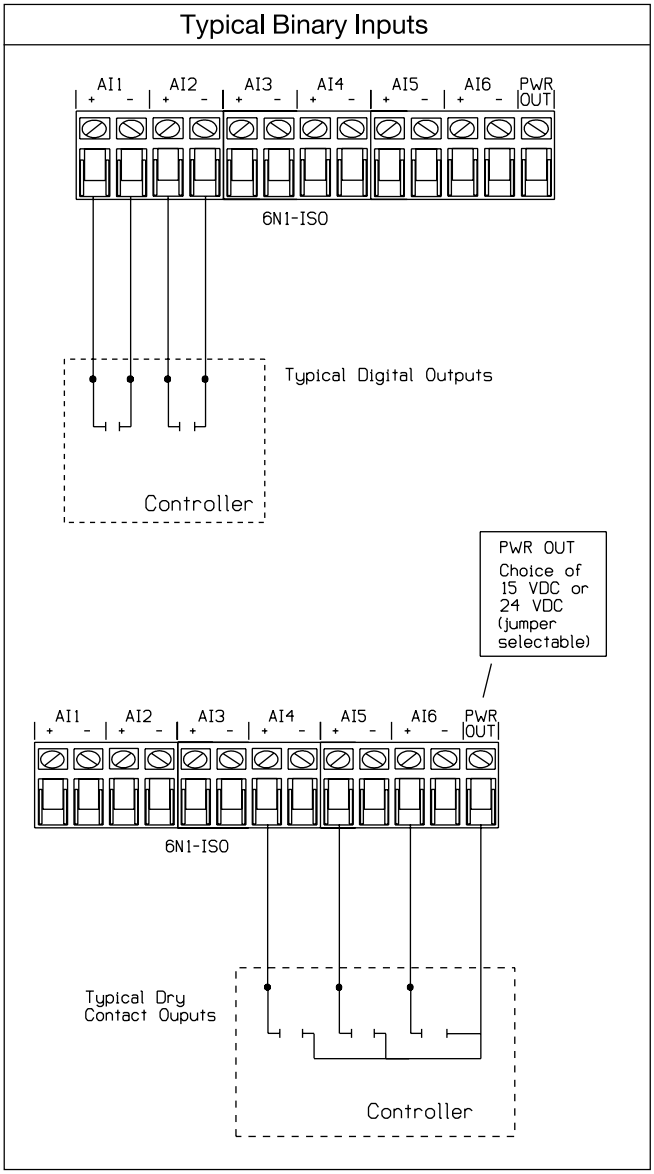
Max, Min, Average Module I06N1

Wiring & Jumper Settings









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