



Product Data

6N1-ISO

Six Analog Input to Average, Lowest, Highest, or Difference Analog Output

Product Description

The 6N1-ISO is a microprocessor controlled interface designed to provide maximum flexibility with a minimum of cost. With a variety of standard inputs, the 6N1-ISO provides the user with the ability to interface several devices to a single analog output. The 6N1-ISO 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. The output signal is optically isolated from the input signals.

The 6N1-ISO 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.

The 6N1-ISO is covered by ACI's Two (2) Year Limited Warranty, which is located in the front of ACI'S SENSORS & TRANSMITTERS CATALOG or can be found on ACI's Website, which is: www.workaci.com.

Specify: 6N1-ISO

Product Specifications

Supply Voltage	24VAC (+/- 10%), 50/60 Hz
Supply Current	255mA maximum
Power Output	24VDC or 15VDC (Jumper selectable)
Power Output (Supply Current)	100mA maximum
Voltage Range /Input Impedance	0 to 5VDC @ 1MΩ
	0 to 10VDC @ 20,000Ω
	0 to 20VDC @ 10,000Ω
Current Range/Input Impedance	0-20mA @ 249Ω
Input Mode (Binary)	15VDC, 24VDC or 24VAC+/-10%@ 100,000Ω
One Analog Output	0-5VDC @ 1000Ω
	0-10VDC @ 1000Ω
	0-20VDC @ 1000Ω
	0-20mA @ 500Ω maximum
Output Resolution (Analog/Binary)	+/- 2% of full scale / 64 steps of resolution
Operating Temp/RH	32 to 120° F (0 to 48.9° C) / 10 to 90% non condensing
Approvals	RoHS

Wiring Diagrams available at www.workaci.com

Interface Devices



Attributes:

- Multiple Inputs
- Selectable Output
- LED Power and Status Indicators
- Input and Output is optically isolated
- 24 VAC Powered
- Equipped with depluggable terminal blocks
- Snap track included

Applications:

- Coldest Zone Hot Deck Reset
- Warmest Zone Cold Deck Reset
- Reset VAV Makeup Air from multiple "fume hoods" or exhaust fans static pressure
- Signal Selector



Made in the USA

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TEMPERATURE

RELATIVE HUMIDITY

PRESSURE

CURRENT

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INTERFACE DEVICES