6N1-ISO

Input | Analog, Digital | Output | Analog

Six Digital, Analog to Average, HI/LO or Difference Output

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 outputs 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. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, www.workaci.com.

Interface

Specifications ▼

Supply Voltage	24 VAC (+/- 10%), 50/60 Hz
Supply Current	255 mA maximum
Power Output	24 VDC or 15 VDC (Jumper Selectable)
Power Output (Supply Current)	100 mA maximum
Input Voltage Range/Input Impedance	0 to 5 VDC @ 1MΩ 0 to 10 VDC @ 20,000Ω 0 to 20 VDC @ 10,000Ω
Input Current Range/Input Impedance	0-20 mA @ 249Ω
Input Mode (Binary)	15 VDC, 24 VDC or 24 VAC +/-10% @ 100,000Ω
One Analog Output	0-5 VDC @ 1000Ω 0-10 VDC @ 1000Ω 0-20 VDC @ 1000Ω 0-20 mA @ 500Ω maximum
Output Resolution (Analog/Binary)	+/- 2% of full scale/64 steps of resolution
Operating Temp/RH	32 to 120ºF (0 to 48.9ºC)/10 to 90% non condensing
Product Dimensions	(L) 4.00" (W) 4.62" (H) 1.00"

Ordering ▼

Please select 6N1-ISO as an Interface Device (A).

A   **Interface Device**

○ **6N1-ISO** (Six Digital, Analog to Average, HI/LO or Difference Output)

Build your part number ▼

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

A

EXAMPLE: 6N1-ISO

RoHS
COMPLIANT
2002/95/EC