

4 – 20mA CURRENT ISOLATOR
DUAL 4 – 20mA ISOLATED OUTPUTS
μ4.0 III 2D 424242 3P 12J

Overview

4–20mA Current loop isolators perform the function of Isolation of the input 4–20mA signal and generate an output 4–20mA signal, which is faithful replication of the input signal. The devices may also be used as signal multipliers (Dual Output) to generate an additional isolated 4–20mA output, which can be connected to different measuring device. Fast response (<1mS) is ensured to enable quick system response in feedback control applications.

Technical Specifications		
Input	Input	4 – 20mA DC.
	Input Resistance	100Ω
Output	Output 1	4 – 20 mA DC,
	Load Resistance	750Ω (max.)
	Output 2	4 – 20 mA DC,
	Load Resistance	750Ω (max.)
Performance	Accuracy	±0.1% of Span
	Linearity	±0.05% of Span
	Temperature Stability	0.01% / °C
	Calibration	SPAN Adj. (Trimpot)
	Response Time	< 1mSec

General Specifications		
Isolation		2KV – 3 Port.
Power Supply	Voltage	24VDC (nominal)
	Operating Range	18 to 36 VDC
	Ripple	< 100 mVpp
Enclosure 35 mm DIN Rail Mounted. GB Enclosure with Integrated Terminals.		W – 17.5 mm H – 90 mm D – 110 mm
Operating temp. range		0 – 55°C
Storage temp. range		0 – 80°C
Relative Humidity		0 – 90% RH Non-Condensing
Max. Altitude		3000 mts above MSL

Related Products

- ✓ 0-10V/4-20mA Signal Isolator, 90-270VAC supply, 1/2 Isolated Outputs. Isolation level 2KV.
- ✓ Analog Signal Isolator, Isolation Level 5KV.
- ✓ 4-20mA Signal Multipliers, 24VDC/ 90-270VAC supply.



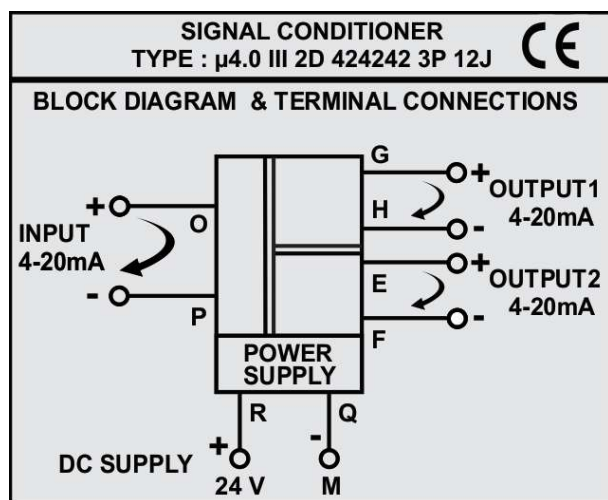
Features

- ✓ Dual Isolated 4-20mA Outputs
- ✓ Slim & compact design.
- ✓ Energy Efficient Module.
- ✓ Enhanced EMI Rejection capabilities to ensure Reliable operation in adverse industrial environment.
- ✓ Accuracy: - ± 0.1%
- ✓ Low Noise & Low drift for long term stability.
- ✓ Response Time < 1 mSec.

Applications

- AC/DC Drive systems
- PLC Systems
- Data Acquisition Systems

Mechanical Details:



PIN	Details	PIN	Details
G	+Output 1	R	+24V _{DC}
H	-Output 1	Q	GND
E	+Output 2	P	-Input
F	-Output 2	O	+Input

About Us

CANOPUS INSTRUMENTS is engaged in the development & manufacturing of industrial automation and process control instrumentation products. The product areas cover mainly Analog Signal Conditioning Instruments for Process Automation, Embedded Systems & Ultrasonic Equipment for Non-Destructive Testing Applications.

All the CANOPUS range of products are designed and manufactured with special care, to ensure trouble free performance in Industrial applications where Electromagnetic Interference (EMI) & Harsh environmental conditions exist.

Today these products come to our customers with the quality assurance and tech-support in H/W & S/W, which has evolved with our experience of over 25 years, to ensure uninterrupted operation in field conditions. This has enabled us to successfully create an installed base of tens of thousands of units performing satisfactorily in a wide spectrum of Critical Real time Industrial applications all over India and in other parts of the world.

INNOVATION – QUALITY – RELIABILITY



Address: 2 & 3, 'Vishwas', Karnik Road, off. Murbad Road, Kalyan (W) 421 301, Maharashtra, INDIA.

Mobile No.: +91-9850811917.

E – Mail: marketing@canopusinstruments.com

URL: www.canopusinstruments.com