

Model: IIIC-XX

Manufacturers of Process Controls and Instrumentation

Instruction Manual

11100011	100701	
Function:	Isolator	
Input:	☐ X=1: 1-5 mA ☐ X=2: 4-20 mA ☐ X=3: 0-1 mA ☐ X=7:	☐ X=5: 1-5 VDC ☐ X=6: 0-10 VDC
Output:	☐ X=1: 1-5 mA ☐ X=2: 4-20 mA ☐ X=3: 0-1 mA ☐ X=7:	☐ X=5: 1-5 VDC ☐ X=6: 0-10 VDC
Power:	□ 117 VAC, 60 Hz, 6 VA□ 24 VDC, 160 mA□	
Serial #:	(If special or required)	

For Technical Assistance And Questions Call USA: (231) 788-2900 CANADA: (905) 660-5336

Restocking Policy

All product returned to Pribusin Inc. in prime condition (not damaged, scratched or defaced in any way) within seven (7) months from the original date of shipment is subject to a 50% restocking charge. All product must be accompanied by a Return Authorization number (RA number) which must be obtained from Pribusin Inc. prior to returning any product.

After seven (7) months from the original date of shipment, products cannot be returned for restocking.

Custom designed products, modified products or all nonstandard products may not be returned for restocking.

Warranty Policy

Pribusin Inc. warrants equipment of its own manufacture to be free from defects in material and workmanship, under normal conditions of use and service, and will replace any component found to be defective, on its return to Pribusin Inc., transportation charges prepaid, within one year of its original purchase. Pribusin Inc. will extend the same warranty protection on equipment, peripherals and accessories which is extended to Pribusin Inc. by the original manufacturer. Pribusin Inc. also assumes noliability, expressed or implied, beyond its obligation to prelace any component involved. Such warranty is in lieu of all other warranties, expressed or implied.



Manufacturers of Process

Controls and Instrumentation

Model: IUC-XX

Isolated Universal Signal Conditioner





Standard Features:

High Input-Output-Power Isolation (1500VAC Test)

Industry Standard Inputs: 4-20 mA, 1-5 VDC, and more (see back)

Industry Standard Output: 4-20 mA, 1-5 VDC, more (see back)

Other Models Available for Millivolt, RTD, Thermocouple Inputs and more

High Output Drive on Current Outputs

Easy Field Calibration (Typ. calibration time < 2 min. using handheld meter only)

Microprocessor Controlled for High Accuracy

Two Wire Supply Option for Two Wire Transmitters

Power: 117 VAC 50/60 Hz (Optional 24 VDC)

High Noise Rejection

CSA and NRTL Approved (LR 51078)

Function:

The IUC-XX is an isolated signal conditioner that provides high isolation and rugged design for many control applications. Three-way isolation is provided between the inputs, the output and the power. The signal isolation takes place through state-of-the-art optical isolators to ensure high accuracy and repeatability. Special output drive circuitry allows the IUC-XX to drive loads of up to 1600 Ohms which makes it ideal for driving multi instrument loops.

Several other models with various special inputs are available in the IUC-XX family. These models include RTD and Thermocouple conditioners, Strain Gage and Slide Wire conditioners etc. The same high isolation and rugged design makes these instruments accurate and dpendable.

Calibration:

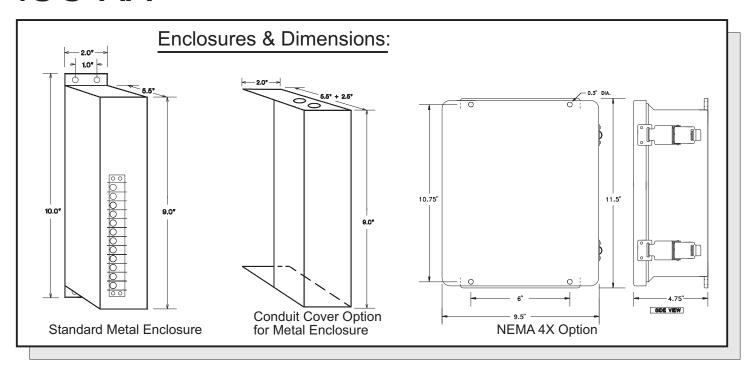
Calibration is performed using easily accessible multiturn potentiometers.. All instruments are shipped fully calibrated and tested, but can easily be field adjusted. A Zero and Span pot are available on all units to adjust the output signal.

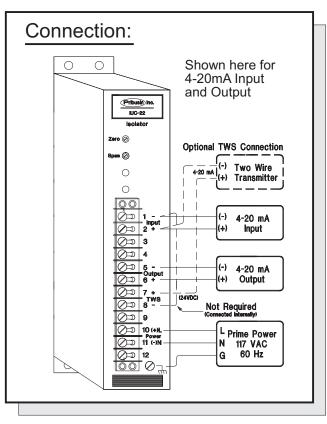
Specifications:

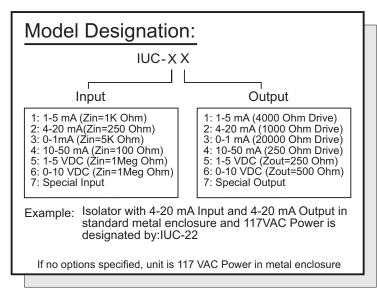
Isolation: Input to Output to Power 1500 VAC (test) Accuracy/Linearity:+/- 0.1% max., +/- 0.05% typ. Operating Temperature: -40 Deg.C. to +50 Deg.C. Temperature Effects: +/-0.5% max., +/-0.2% typ. (for 40 Deg.C. change)

Output Ripple: less than 0.1% p-p value Common Mode Rejection: 120 dB @ 60 Hz Loop Drive: Max. 1600 Ohms at 20 mA

IUC-XX







Options: (Add letters to end of Model Number)

A - 24 VDC Prime Power

B - 240 VAC Prime Power (not CSA approved)

T - 200 mA Two Wire Supply (24 VDC unreg.)

C - Conduit Cover for Metal Enclosure (see above)

N - NEMA 4X enclosure (see above)

Manufactured By:



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