

# Controls and Instrumentation

# Instruction Manual

Model: IUC-X9-TXA-N (NEMA 4X)

Function: Telephone Line Transmission System

Input:	One Analog Signal			
	□ X=1: 1-5m	A 🗆	X=4:	10-50mA
	□ X=2: 4-20r	mA 🗆	X=5:	1-5 VDC
	□ X=3: 0-1 m	nA 🗆	X=6:	0-10 VDC
	□ X=7:			
Output:	☐ Leased Pho (to II	ne Line ( JC-7X-RX	•	nm)
Power:	☐ 117 VAC, 5 ☐ 24 VDC, 16			
Serial #:	(If special or requ	uired)		

For Technical Assistance And Questions Call USA: (734) 677-0459 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.



Models: IUC-X9-TXA & IUC-7X-RXA

Manufacturers of Process Controls and Instrumentation

# Telephone Line Transmission System

(Formerly: IUC-29-LIN-FRI & IUC-72-UNV-FRI)





### **Function:**

The IUC-X9-TXA is a telephone line transmitter which takes in one of a number of standard analog signal. It has a 600 Ohm impedance matched output which can connect directly into a class C telephone line. A frequency signal is sent to the IUC-7X-RXA telephone line receiver where it is converted back to an analog The IUC-7X-RXA also has an impedance matched input to allow direct connection to the phone line. A built in line monitor detects line failures and closes a contact if this happens.

# Specifications:

Isolation: Input to Output to Power 1500 VAC (Test) Accuracy/Linearity:+/- 0.3% max., +/- 0.1% typ. Operating Temperature: -40 Deg.C. to + 50 Deg.C. Temperature Effects:+/- 0.5% max., +/-0.2% typ. (for 40 Deg. change)

#### Standard Features:

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

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

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

Send One Analog Signal over Class C Phone Line

**Channel Fail Contact** 

Microprocessor Controlled for High Accuracy and Easy Field Calibration

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)

### Model Designation:

IUC-X9-TXA

Input

- 1: 1-5 mA (Zin=1K Ohm) 4-20 mA(Zin=250 Ohm)
- 3: 0-1mA (Zin=5K Ohm)
- 4: 10-50 mA (Zin=100 Óhm) 5: 1-5 VDC (Žin=1Meg Ohm)
- 6: 0-10 VDC (Zin=1Meg Ohm)
- 7: Special Input

IUC-7X-RXA

Output

- 1: 1-5 mA (4000 Ohm Drive) 2: 4-20 mA (1000 Ohm Drive)
- 3: 0-1 mA (20000 Ohm Drive)
- 4: 10-50 mA (250 Ohm Drive)
- 5: 1-5 VDC (Zout=250 Ohm) 6: 0-10 VDC (Zout=500 Ohm)
- 7: Special Output

Example: A Transmitter/Receiver pair for 4-20 mA input and output in a standard metal enclosure is designated

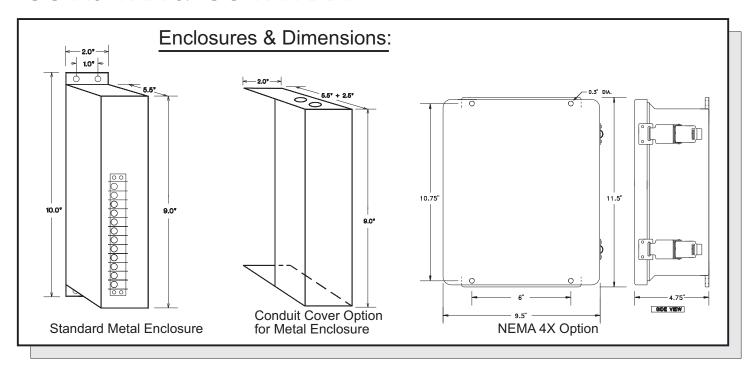
by IUC-29-TXA and IUC-72-RXA.

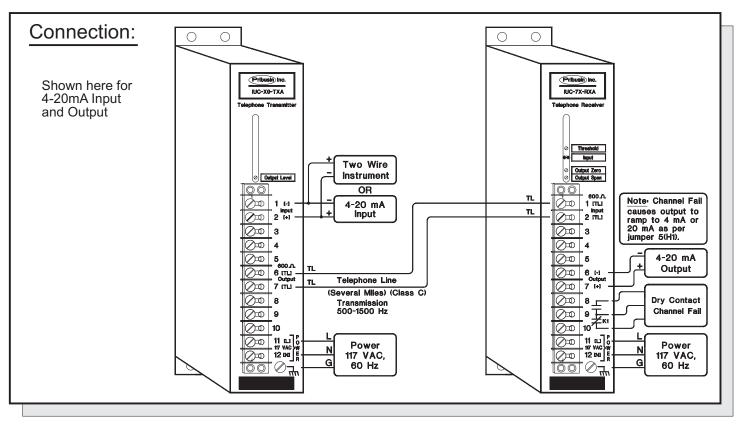
If no options specified, unit is 117 VAC Power in metal enclosure

Options: (Add letters to end of Model Number)

- A 24 VDC Prime Power
- B 240 VAC Prime Power (not CSA approved)
- C Conduit Cover for Metal Enclosure (see back)
- N NEMA 4X enclosure (see back)

# IUC-X9-TXA & IUC-7X-RXA





# Manufactured By:



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