



### Standard Features:

- High Input-Output-Power Isolation (1500VAC Test)
- Standard Slidewire Inputs (see back)
- Industry Standard Output: 4-20 mA, 1-5 VDC, more (see back)
- Special Input Ranges Available
- High Output Drive on Current Outputs
- 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)

### Function:

The IUC-7X-SLX is an isolated slidewire transmitter that provides high isolation and rugged design for many control applications. Three-way isolation is provided between the input, 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-7X-SLX to drive loads of up to 1600 Ohms which makes it ideal for driving multi instrument loops.

Several standard slidewire ranges are available and special ranges are available upon consultation with the factory or your representative.

### Calibration:

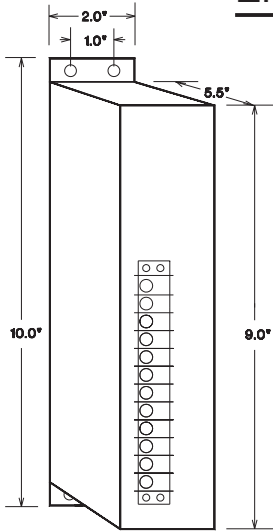
Calibration is via easily accessible multi-turn potentiometers. All instruments are shipped fully calibrated and tested, but can easily be field adjusted. A Zero and Span pot are available on all units to adjust the output signal.

### Specifications:

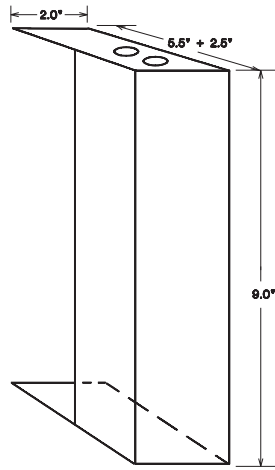
- Isolation: Input to Output to Power 1500 VAC (test)
- Accuracy/Linearity: +/- 0.1% max., +/- 0.05% typ.
- Operating Temperature: -40 Deg.C. to +50 Deg.C.
- Temperature Effects: +/-0.5% max., +/-0.2% typ. (for 40 Deg.C. change)
- Output Ripple: less than 0.1% p-p value
- Common Mode Rejection: 120 dB @ 60 Hz
- Loop Drive: Max. 1600 Ohms at 20 mA

# IUC-7X-SLX

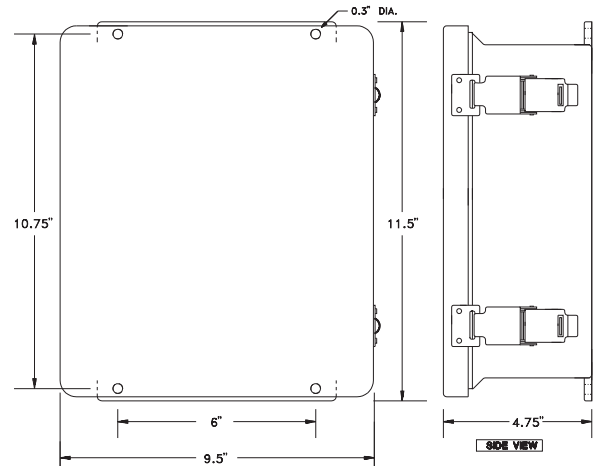
## Enclosures & Dimensions:



Standard Metal Enclosure

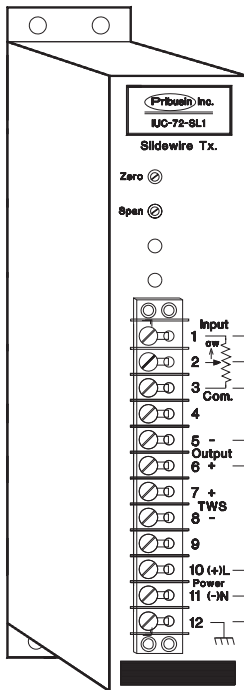


Conduit Cover Option for Metal Enclosure

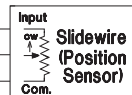


NEMA 4X Option

## Connection:



Shown here for 4-20mA Output



## Model Designation:

IUC - 7 X-SLX

Output

Input

- 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

- 1: 100 Ohm
- 2: 500 Ohm
- 3: 1K Ohm
- 4: 2K Ohm
- 5: 5K Ohm
- 6: 10K Ohm
- 7: Special Input

Example: Slidewire transmitter with 1K Ohm Slidewire and 4-20 mA Output in standard metal enclosure and 117VAC Power is designated by: IUC-72-SL3

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)
- 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:

**Pribusin Inc.**

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