



*Manufacturers of Process
Controls and Instrumentation*

Instruction Manual

Model: *TWI-SLX*

Function: *Two Wire Slidewire Transmitter*

Input: X=1: 0-100 R X=4: 0-2K R
 X=2: 0-500 R X=5: 0-5K R
 X=3: 0-1K R X=6: 0-10K R
 X=7: _____

Output: 4-20mA

Power: 12 to 60 VDC

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 non-standard 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.

Pribusin Inc.

Manufacturers of Process
Controls and Instrumentation

Model: TWI-SLX

Two Wire Isolated Slidewire Transmitter



Standard features:

- High Input to Output Isolation (800 VAC Test)
- Small Size - Fits Standard Explosion Proof Housing
- Industry Standard 4-20 mA Output
- Standard Ranges for Common Slidewires
- Special Ranges Available
- Wide Operating Range (12 to 60 VDC)
- High Noise Rejection
- CSA and NRTL Approved (LR 51078)

Function:

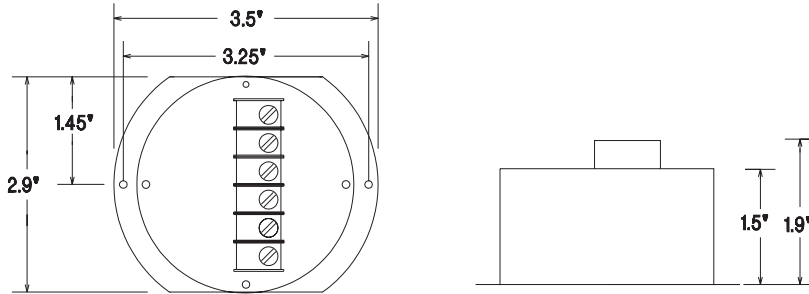
The TWI-SLX is an isolated two wire Slidewire transmitter in a small, easy to install package. It has easily accessible screw terminals and is built in a rugged housing. The many different input ranges allow it to be used in a great variety of position and/or deflection measurement applications.

Specifications:

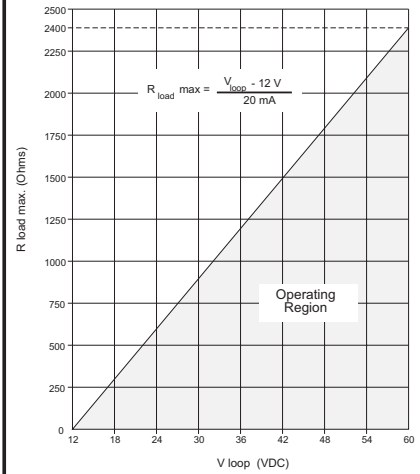
- Output: 4-20 mA
- Isolation: 800 VAC Test
- Operating Power: 12 to 60 VDC
- Accuracy/Linearity: +/-0.25% max., +/- 0.1% typ
- Response Time: 100 msec to 63% of final value
400 msec to 99% of final value
- Temperature Effects: +/- 0.025% per Deg.C.
- Span Drift: +/- 0.025% per Deg.C.
- Zero Drift: 1 milliohm per 1 ohm offset per Deg.C. or
1 milliohm per Deg.C. whichever is larger
- Line Effects: 0.03% per 10 VDC Line Change
- Operating Temperature: -20 Deg. C. to + 40 Deg. C.

TWI-SLX

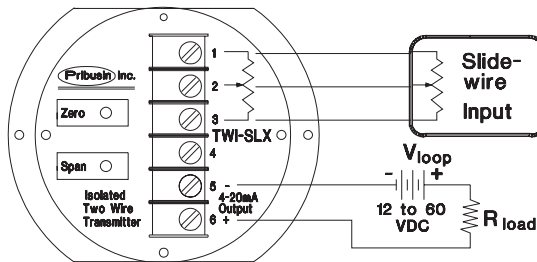
Dimensions:



Loop Characteristics:



Connection:



Model Designation:

TWI-SLX

Slide-wire Range

- 1: 0 to 100 Ohms
- 2: 0 to 500 Ohms
- 3: 0 to 1K Ohms
- 4: 0 to 2K Ohms
- 5: 0 to 5K Ohms
- 6: 0 to 10K Ohms
- 7: Special (must specify on order)

Example: Isolated Slidewire Transmitter for 1K Slidewire is designated by: TWI-SL3

Manufactured By:

Pribusin Inc.

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info@pribusin.com

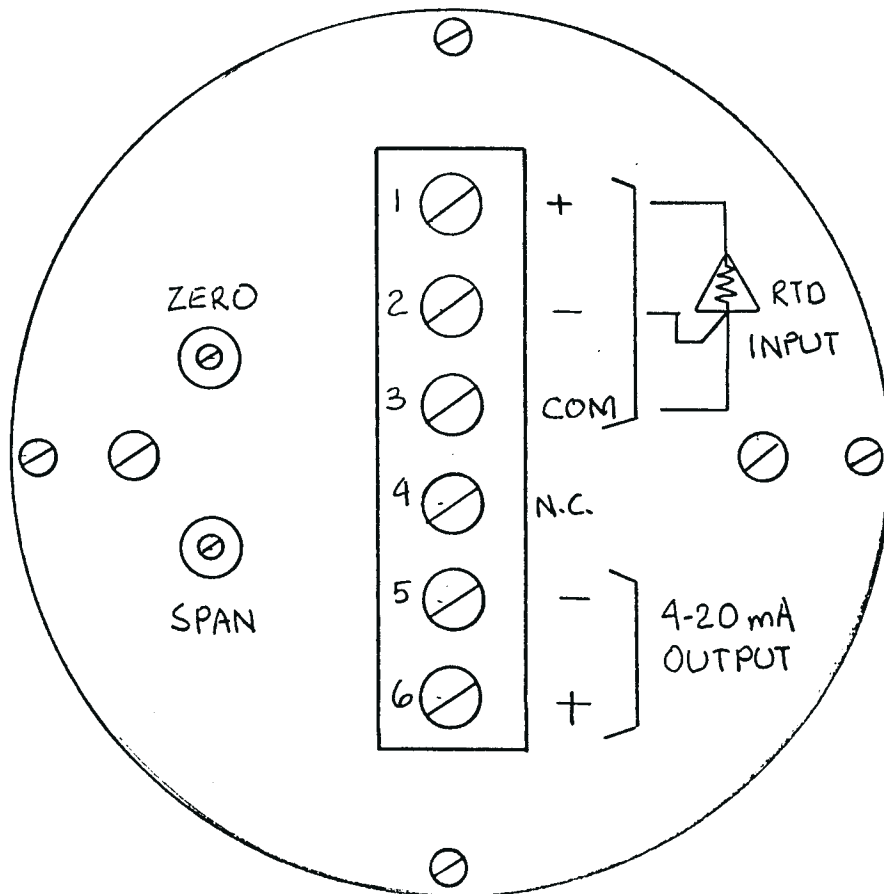
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TWO WIRE ISOLATED RTD TRANSMITTER
 SERIES TWI-RTX FIELD CONNECTIONS

Pribusin Inc.

DATE OCT. 1 / 84

DRAWN BY V.S.

APPROVED

DRWG NO 101392

REV A

SERIES TWI-RTX AND TWI-SLX CALIBRATION PROCEDURE

- 1) Install components as per schematic 101368 for the input range.
- 2) Apply an input signal (RTD or Slidewire) equal to 100% of the input range.
- 3) Adjust the Span potentiometer for an output of 20.00 mA.

Note:
If the output will not go down to 20.00 mA, then adjust the zero potentiometer to get down to 20.00 mA.
- 4) Apply an input signal (RTD or Slidewire) equal to 0% of the input range.
- 5) Adjust the Zero Potentiometer for an output of 4.00 mA.
- 6) Repeat steps 3 to 6 until no further adjustments are required.
- 7) Apply an input signal (RTD or Slidewire) equal to 50% of the input range.
- 8) Check that the output is 12.00 mA.
 - a) If the output is too high, then negative linearization is required. (JLIN- and selection of RLIN).
 - b) If the output is too low, then positive linearization is required. (JLIN+ and selection of RLIN).
- 9) NOTE: If the linearization resistor RLIN or the Linearization jumpers (JLIN+ and JLIN-) are changed, then go back to step 3 and repeat the calibration.
10. Calibration is complete.

DWG. NO. 101463
Dec. 17/84 V.S. Rev. A.