

Pribusin Inc.

Manufacturers of Process
Controls and Instrumentation

Model: TWI-22

Loop Powered Isolator



Standard features:

- High Input to Output Isolation (800 VAC Test)
- Small Size - Fits Standard Explosion Proof Housing
- Industry Standard 4-20 mA Output
- Industry Standard 4-20 mA Input
- Requires No Additional Power Supply
- Drives up to 275 Ohms
- High Noise Rejection
- CSA and NRTL Approved (LR 51078)

Function:

The TWI-22 is a loop powered isolator in a small, easy to install package. It has easily accessible screw terminals and is built in a rugged housing that fits into standard explosion proof housings. It is ideal for applications where loop isolation is required but power is not available or space is confined.

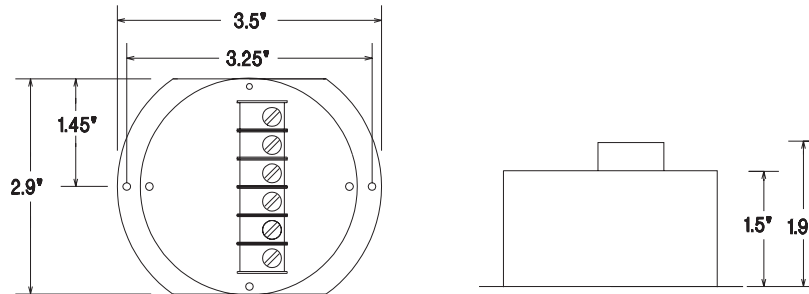
The output signal is generated from the incoming 4-20 mA signal which is isolated via a transformer. If the output is being driven into a 250 ohm impedance, the input to the isolator appears to be a 500 ohm impedance.

Specifications:

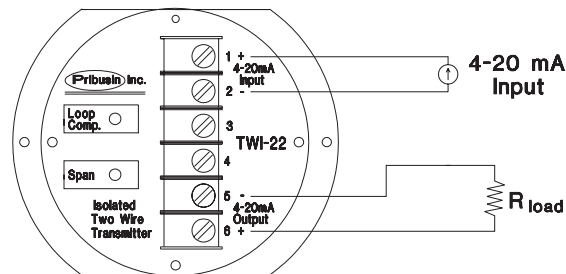
- Input: 4-20 mA
- Output: 4-20 mA (max. 275 Ohm load)
- Isolation: 800 VAC Test
- Accuracy/Linearity: +/- 0.25% max., +/- 0.1% typ
- Response Time: 10 msec to 63% of final value
40 msec to 99% of final value
- Temperature Effects: +/- 0.025% per Deg.C.
- Span Drift: +/- 0.025% per Deg.C.
- Load Effects: +/- 0.2% per 10 Ohm loop resistance change
- Operating Temperature: -20 Deg. C. to + 40 Deg. C.

TWI-22

Dimensions:



Connection:



Manufactured By:

Pribusin Inc.

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