Pribusin Inc.

Manufacturers of Process Controls and Instrumentation

Instruction Manual

Model: *NTC-X9-HFX*

Function: *Non-Isolated High Frequency Transmitter*

Input:
- ☐ X=1: 1-5 mA
- ☐ X=2: 4-20 mA
- ☐ X=3: 0-1 mA
- ☐ X=4: 10-50 mA
- ☐ X=5: 1-5 VDC
- ☐ X=6: 0-10 VDC
- ☐ X=7: _____

Output:
- ☐ X=1: 0-1 KHz
- ☐ X=2: 0-2 KHz
- ☐ X=3: 0-5 KHz
- ☐ X=4: 0-10 KHz
- ☐ X=5: 0-50 KHz
- ☐ X=6: 0-100 KHz
- ☐ X=7: _____

Power: ☐ 24 VDC, 100 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 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: NTC-X9-HFX

Non-Isolated High Frequency Transmitter

Standard Features:

DIN-Rail Mount (small size)

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

Easily Adjustable Output Frequency

24VDC Square Wave Output

Two Wire Supply for Two Wire Transmitters

Power: 24 VDC

High Noise Rejection

Function:

The NTC-X9-HFX is a high frequency transmitter. It has one analog input and a square wave output. The output frequency is adjustable from 0-1KHz to 0-100KHz for 0-100% of input signal. The output frequency is linear with respect to the input signal.

Calibration:

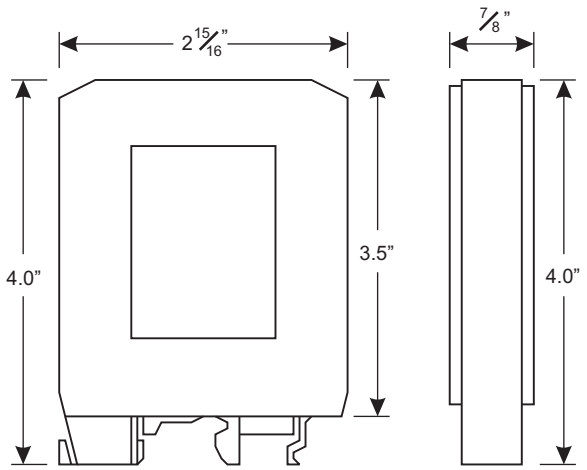
The unit comes factory pre-calibrated. Re-calibration is possible using the input zero & span potentiometers. This allows the unit to be calibrated for specific frequency ranges.

Specifications:

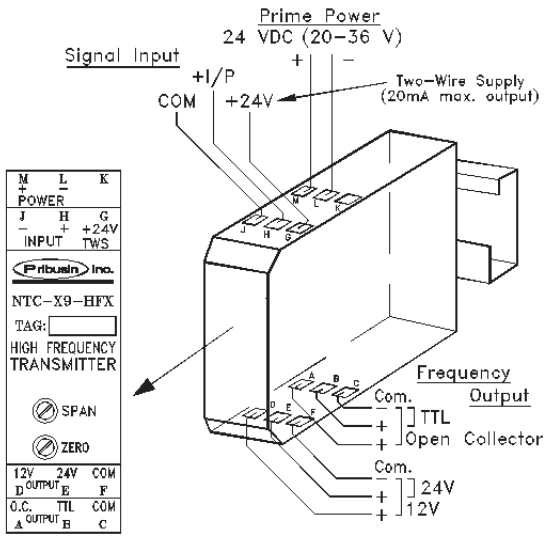
Accuracy/Linearity:+/- 0.3% max., +/- 0.1% typ.
Operating Temperature: -40 Deg.C. to +50 Deg.C.
Temperature Effects: +/-0.5% max., +/-0.2% typ.
(for 40 Deg.C. change)

NTC-X9-HFX

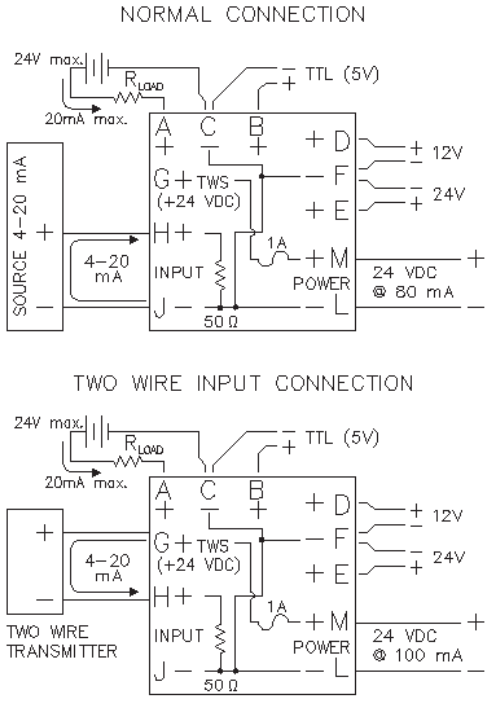
Dimensions:



Connection:



Connection:



Model Designation:

NTC-X9-HFX

Input	Frequency Output
1: 1-5 mA (Zin=1K Ohm) 2: 4-20 mA(Zin=250 Ohm) 3: 0-1mA (Zin=5K Ohm) 4: 10-50 mA (Zin=100 Ohm) 5: 1-5 VDC (Zin=1Meg Ohm) 6: 0-10 VDC (Zin=1Meg Ohm) 7: Special Input	1: 0-1KHz 2: 0-2KHz 3: 0-5KHz 4: 0-10KHz 5: 0-50KHz 6: 0-100KHz 7: Special Frequency

Example: Frequency Transmitter with 4-20 mA Input and 2KHz output is designated by: NTC-29-HF2

Options:

(Add letters to end of Model Number)

None available at this time

Manufactured By:

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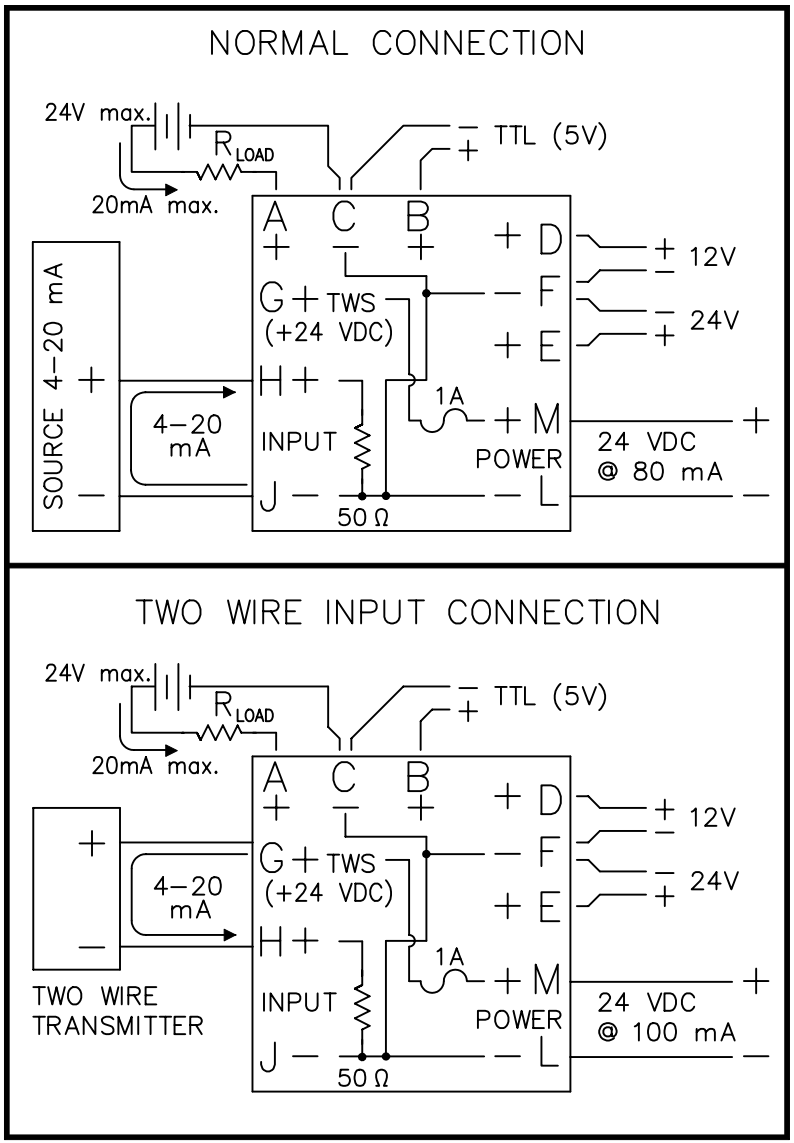
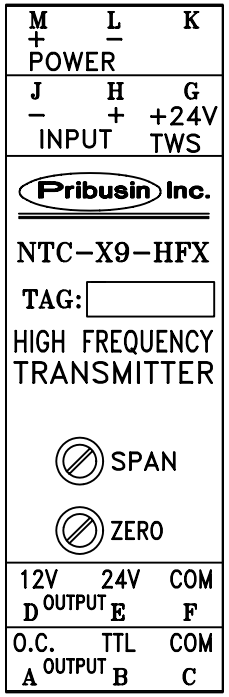
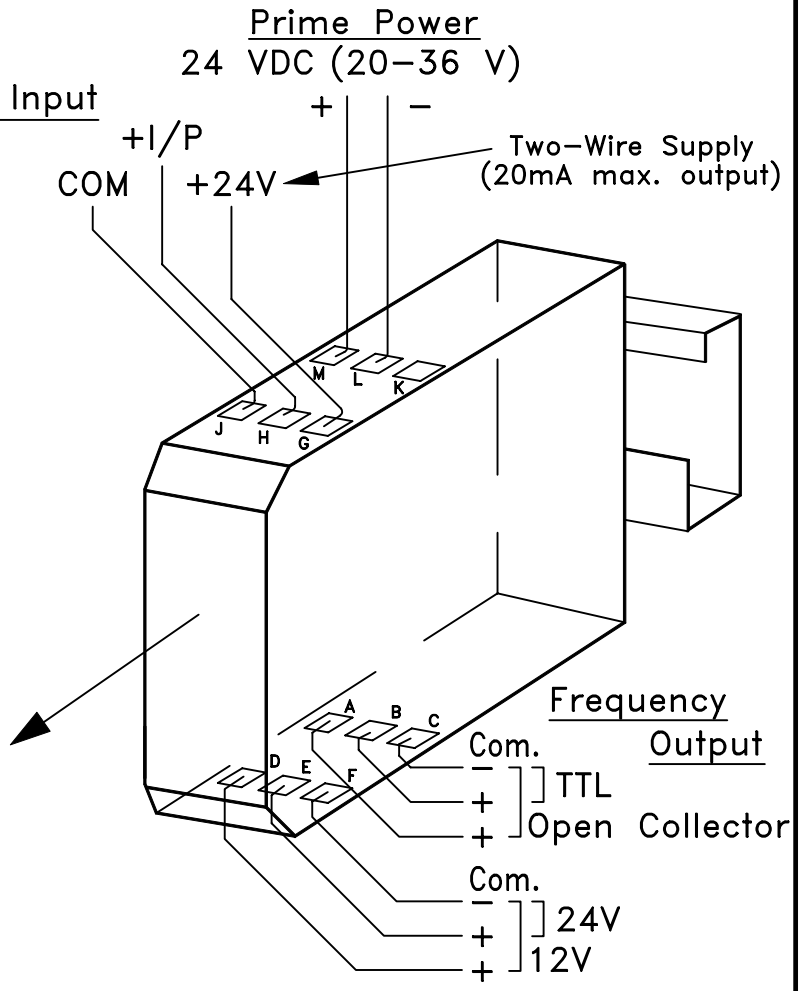
Fx: (905) 660-4068







Note: All voltage outputs source 10mA max., open collector sinks 20mA max.

Notes:

1. For Details of Terminal Block Enclosure/Din Rail See Dwg. 104385.

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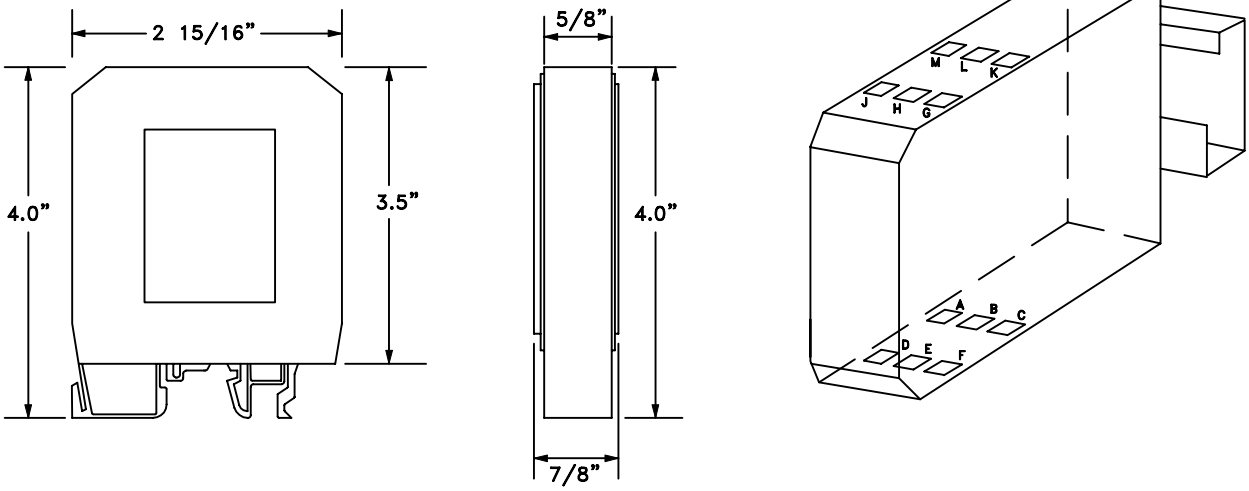
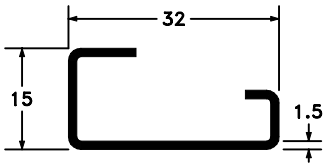
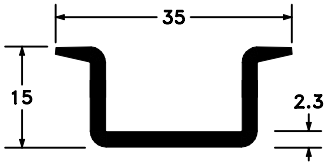
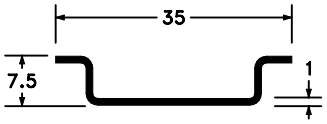
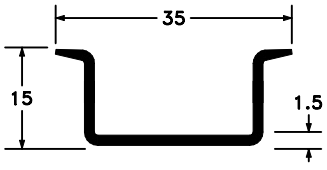
CHKD:	DATE: JUNE 6/00	DRN: MG
Model NTC-29-HFX High Frequency Transmitter Connection Diagram		
DWG. NO.: 106339		REV. A

Enclosure Detail :



Din Rail Detail :

	A	Rail Standard EN 50 035 Dimensions: 32 x 15 x 1.5 mm
	B	Rail Standard DIN EN 50 022 Dimensions: 35 x 15 x 2.3 mm
	C	Rail Standard DIN EN 50 022 Dimensions: 35 x 7.5 x 1 mm
	D	Rail Standard DIN EN 50 022 Dimensions: 35 x 15 x 1.5 mm

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CHKD:	DATE: APR. 26/93	DRN: KS
Terminal Block Enclosure/ Din Rail Detail		
DWG. NO. : 104384		REV. A