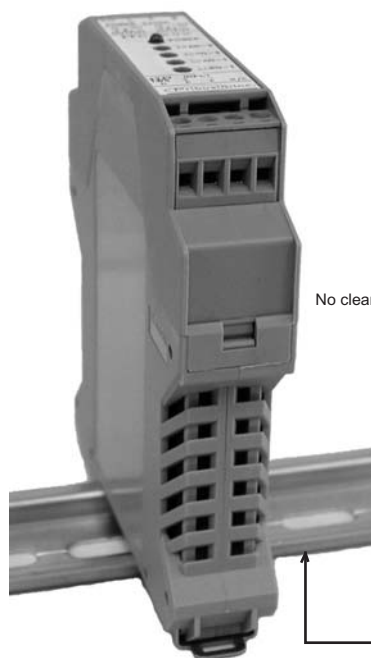


Isolated Terminal Signal Conditioner



No cleaning must be provided

Din-rail mounting (width 22.5 mm.)

Standard Features:

High Input-Output-Power Isolation
(2000 VAC Test for 1 second)

Low Input Impedance on 4-20mA Inputs

Small Size - Fits on Terminal Block Rail

Industry Standard Inputs and Outputs (see back)

High Output Drive (1000 Ohms for 4-20 mA)

Two Wire Supply Option for Two Wire Transmitters

Power: 120 VAC, 50/60 Hz , 80 mA

High Noise Rejection

CSA Certification 2054910



Pollution Degree 2

Installation Category II

Do Not Expose To Direct Sunlight

The ITC-XX is a signal isolator that provides high isolation from Input to Output to Power in a small, easy to install package. The universal DIN rail mount often makes it possible to install the ITC-XX right next to the instrument that is to be isolated. The many different input and output configurations allow it to be used in a great variety of applications ranging from PLC front end conditioning.

The high output drive (1000 Ohms @ 4-20 mA) allows the ITC-XX to drive several other instruments directly from its output. The standard two wire supply allows the ITC-XX to be used with two wire field transmitters such as differential pressure transducers and temperature sensors, etc.

If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired

Specifications:

Specifications:

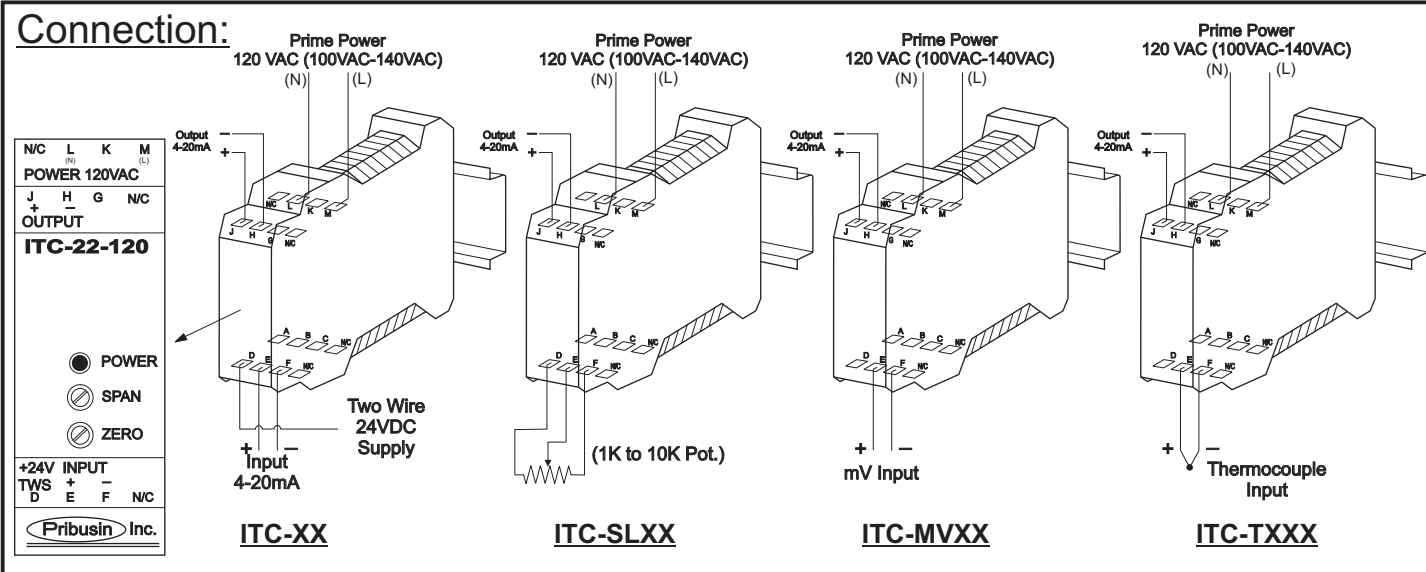
	ITC-XX	ITC-SLXX	ITC-MVXX	ITC-TXXX
Power 120 VAC	80mA	80mA	80mA	80mA
Isolation	High Input to Output to Power (2000 VAC Test for 1 second)			
Input Impedance	see Input table	10 Meg Ohm	10 Meg Ohm	10 Meg Ohm
Accuracy / Linearity	+/-0.2% max., +/- 0.1% typ.	+/-0.2% max., +/- 0.1% typ.	+/-0.3% max., Drift 1µV/°C	Linear with Material ± 2°C
Loop Res. D Effect	-0.1% per 100 Ohms change			
Common Mode Rej.	at 60 Hz = 120 dB			
Response Time	50 msec to 63%	75 msec to 63%	100 msec to 63%	100 msec to 63%
Drift at 25 Deg.C	24 Hours: ± 0.03%, 30 Days: ± 0.1%		24 Hours: ± 0.3%, 30 Days: ± 0.8%	
Operating Temp.	-40 Deg. C. to + 50 Deg. C.			
Environment	Altitude: 0-6562 ft (0-2000 m) Humidity: 0-95% RH non-condensing			

(Maximum Signal Input 30VAC or 60VDC or 5Amps)

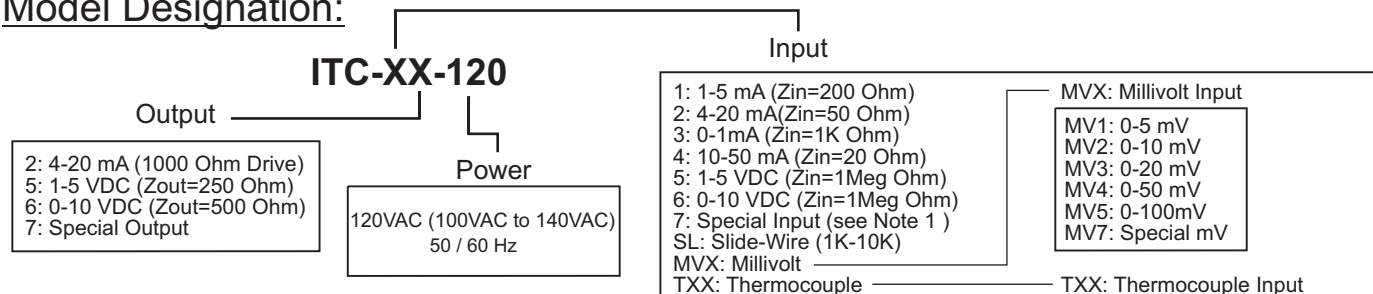
(Maximum Signal Output 30VDC or 50mA)

ITC-XX-120

Connection:



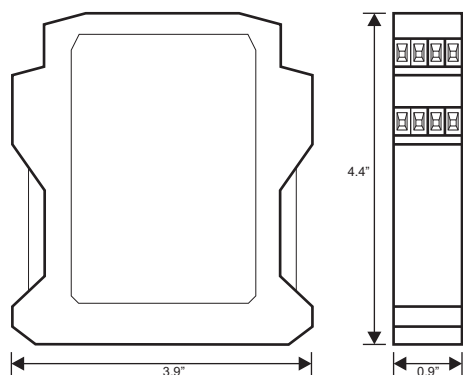
Model Designation:



Model Designation Examples:

1. Isolator with 4-20mA input, 4-20mA output, powered by 120VAC is: **ITC-22-120**
2. Isolator with 0-50mV input, 0-10VDC outputs powered by 120VAC is: **ITC-MV46-120**
3. Isolator with type 'K' thermocouple input for 0-750°F and 4-20mA output, powered by 120VAC is: **ITC-TK32-120**

Dimensions:



Range	Type	J	K	E	T	R	S
0 to 300F -18 to 150C	TJ1			TE1	TT1		
0 to 400F -18 to 204C	TJ2	TK1		TE2	TT2		
0 to 500F -18 to 260C	TJ3	TK2		TE3	TT3		
0 to 750F -18 to 400C	TJ4	TK3		TE4		TR1	TS1
0 to 1000F -18 to 538C	TJ5	TK4				TR2	TS2
0 to 1500F -18 to 816C		TK5				TR3	TS3
0 to 2000F -18 to 1093C		TK6				TR4	TS4
0 to 3200F -18 to 1760C						TR5	TS5
-350 to 1100F -200 to 600C	TJ6			TE5			

(Note 1. Maximum Signal Input 30VAC or 60VDC or 5Amps)

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