



Standard Features:

- New Selectable Output for Watt, VA, VAR or Power Factor
- High Input-Output-Power Isolation (1500VAC Test)
- Single or Double Element for 1 and 3 Phase Circuits
- Industry Standard Output: 4-20 mA, 1-5 VDC, more
- New Optional Watt Hour Counter & Watt Display
- New Microprocessor Controlled for High Accuracy even with Distorted Waveforms (SCR switching etc.)
- Less than 1VA Burden on Voltage and Current Coils
- 0-5 AAC Current, 0-150 VAC Voltage Input
- Standard Calibrations: 500 Watts (WT1), 1000 Watts (WT2)
- Easy Field Adjustable Output Calibration
- New Power: 117 VAC 50/60 Hz
- High Noise Rejection
- CSA and NRTL Approved (LR 51078)

Function:

The IUC-7X-WTX is a new & improved model of its prior version. It uses a microprocessor to compute instantaneous voltage and current values which it then uses to produce one of four different outputs. These are: 1) Watt, 2) VA, 3) VAR and 4) Power Factor.

An optional Watt Hour counter output is also available to count watt hours consumed. The IUC-7X-WTX comes in single (-WT1) or double (-WT2) element versions for 1, 2 or 3 phase systems.

$$\text{Watts} = V_{\text{Instantaneous}} \times I_{\text{Instantaneous}}$$

$$\text{VA} = V_{\text{RMS}} \times I_{\text{RMS}}$$

$$\text{VAR} = \sqrt{\text{VA}^2 - \text{Watt}^2}$$

$$\text{Power Factor} = \frac{\text{Watts}}{\text{VA}}$$

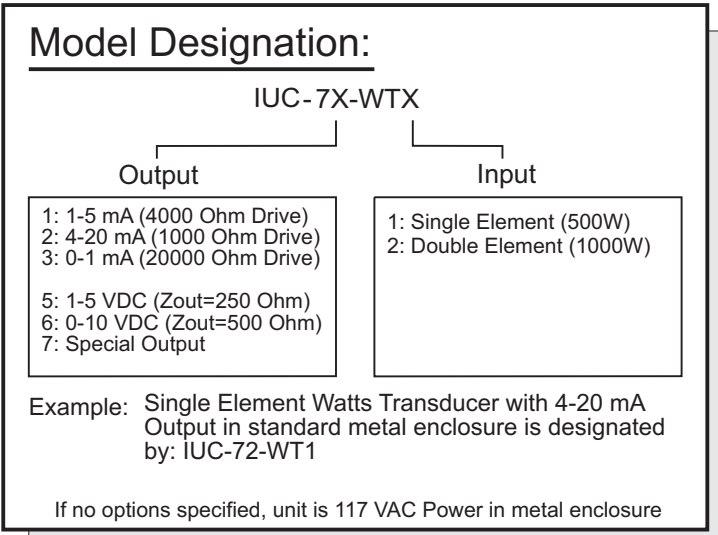
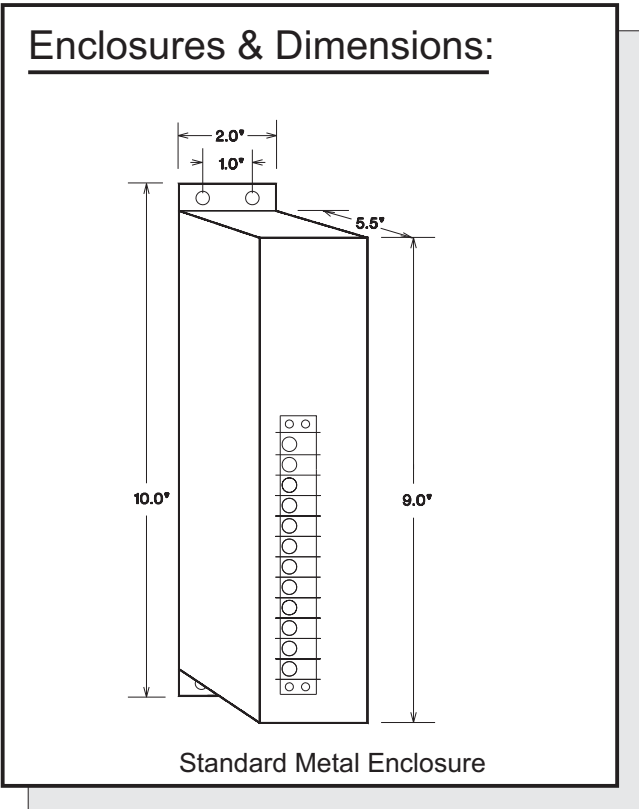
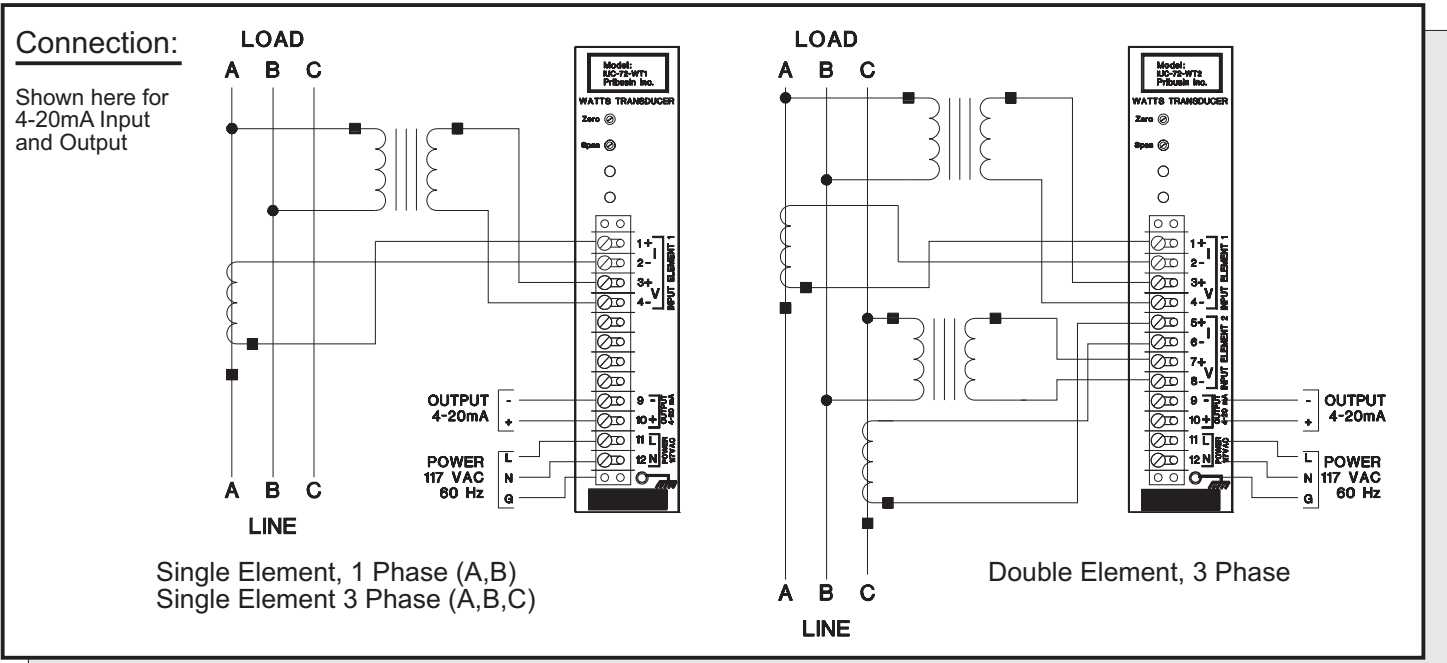
Calibration:

No calibration is required on these watts transducers. There is a zero and span adjustment for the output signal for output calibration. Standard calibrations are for 500 Watts (WT1) and 1000 Watts (WT2).

Specifications:

Isolation: Input to Output to Power 1500 VAC (test)
 Maximum Coil Ratings: Current: 15A Continuous
 100A 3 sec/Hr.
 Voltage: 150% of Rated Voltage
 Accuracy/Linearity: +/- 0.4% max., +/- 0.2% typ.
 Operating Temperature: -40 Deg.C. to +50 Deg.C.
 Temperature Effects: +/-0.5% max., +/-0.2% typ.
 (for 40 Deg.C. change)

IUC-7X-WTX



- Options:** (Add letters to end of Model Number)
- B - 240 VAC Prime Power (not CSA approved)
 - C - Conduit Cover for Metal Enclosure (see above)
 - H - Watt Hour Counter (8-digit LCD counter)
 - D - 3.5 Digit Display
 - N - NEMA4 Enclosure

Manufactured By:



www.pribusin.com
info@pribusin.com

USA:

Pribusin Inc.
743 Marquette Ave
Muskegon, MI 49442
Ph: (231) 788-2900
Fx: (231) 788-2929



CANADA:

Pribusin Inc.
101 Freshway Dr. Unit 57
Concord, Ontario, L4K 1R9
Ph: (905) 660-5336
Fx: (905) 660-4068