Danger
Line voltages up to 600 VAC are present on the input terminals of the device and throughout the connected line circuits during normal operation. These voltages may cause severe injury or death.

Installation and servicing must be performed only by qualified, properly trained personnel.

WattsOn Installation Considerations

Proper installation of Current Transformers (CTs) is crucial to operation of the WattsOn:

1) Always observe the voltage and current relationship. In a three phase system, it is imperative that the CTs match voltage from the same phase. ie: the CT installed on phase A, must be wired to I_{11}, I_{12} and the voltage from this phase must be wired to V1 and so on.

2) Observe the orientation of the CT on the wire. Each CT is specifically labeled with a dot, or marking "H1". This side must face the source. Some CTs show an arrow indicating current direction. If the CTs are installed in reverse, the power measurements will be of the opposite sign!

3) Observe the polarity of the CT wiring into the input terminals. X1 of each CT must be wired to the I_{11}, I_{21}, I_{31} terminals respectively. Refer to the table below for the X1/X2 color designations for Elkor CTs. For other manufacturers CTs, please refer to the CT labeling or associated documentation.

4) 5A output CTs should always be wired into a shorting block mechanism to provide a method of shorting the CTs for maintenance & safety purposes. Once properly installed, make sure shorting bars are retracted or removed to supply proper signal to meter.

Elkor CTs	**X1**	**X2**
MCTA, MCTB	Red	Brown
MS100	White	Black
MS240, MS360	Red	Brown
MSCT (1,2,3,6)	White	Black
MCTX	White	Black