

WATTHOUR TRANSDUCER

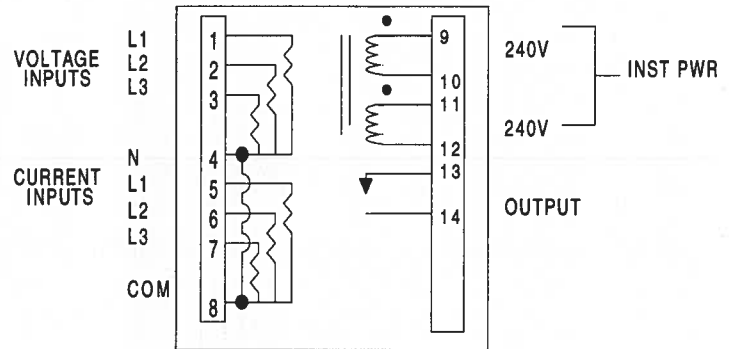
Model WL41R

Inputs

Voltage	120/208 & 277/480
Phase	3 3W Or 3 4W
Range	± 15%
* Current	1 Amp
Burden	2 VA
Power Factor	0.5 Lead To 0.5 Lag
Instrument Power	208/240/480V 50/60 Hz, 2.5 Watts

Outputs

Standard	
Relay	Dry Contact, 120 V, .3 A, 10 VA MAX
Closure Duration	250 Milliseconds
Isolation Input/Output/Case	750 VAC
Accuracy	± 0.5% FS
Temperature Effects (-20 °C To +60 °C)	± 0.02% / °C



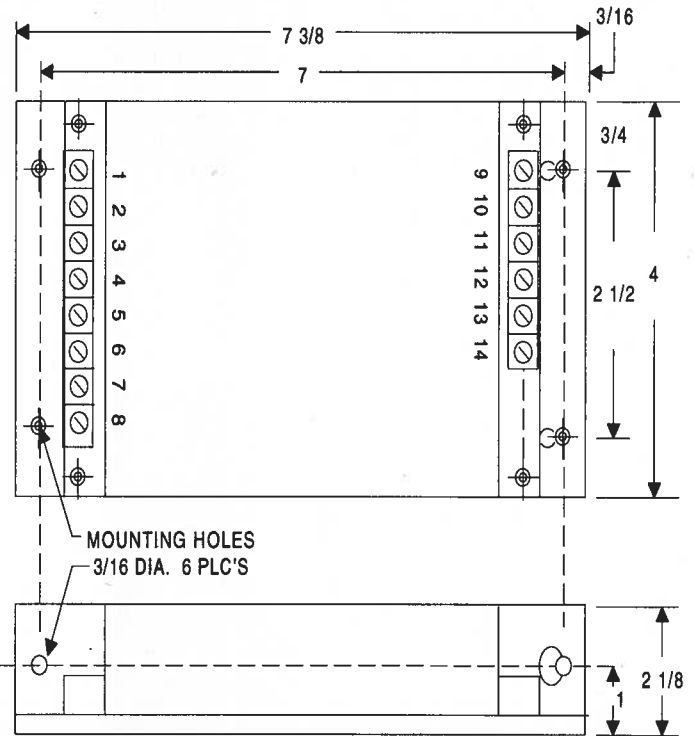
CALCULATING OUTPUT CLOSURE RATE

The standard WL41 Watthour Transducer is calibrated to give 1 Watthour per count. To calculate the count rate when using current transformers, take the ratio of the current transformer and multiply that by the 1 WH/C.

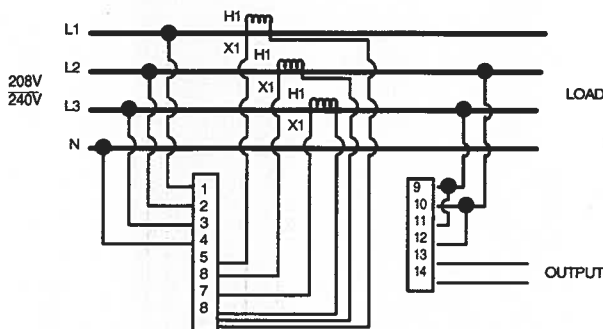
For instance, if you are using a current transformer with a ratio of 100:1 multiply 100 by 1 WH/C for a closure rate 100 WH/C. In the case of 200:1 ratio current transformer the closure rate would be 200 WH/C.

* CAUTION

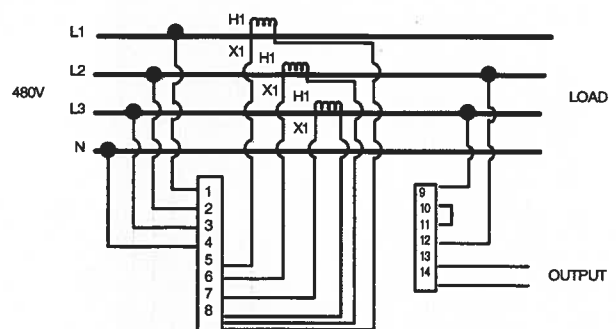
To prevent damage to power lines and the Watthour Transducer **NEVER** connect the current inputs directly, always use current transformers rated for 600 VAC at 1 ampere secondary to provide the required isolation.



CONNECTION DIAGRAMS



120/208V 3 PHASE 4 WIRE CONNECTIONS ARE SHOWN.
FOR 240V 3 PHASE 3 WIRE DROP CONNECTION GOING TO TERMINAL 4.



277/480V, 3 PHASE 4 WIRE CONNECTIONS ARE SHOWN.
FOR 480V, 3 PHASE 3 WIRE DROP CONNECTION TO TERMINAL 4.