WATT HOUR TRANSDUCER



LOW COST AC WATTHOUR TRANSDUCER

MODEL WL45R

DESCRIPTION

scale voltage ranges of up to 480V can be directly connected pages 46-49.

The model WL45R Watthour Transducer provides a dry to the WL45R eliminating the need for costly potential contact relay closure output proportional to the energy transformers. The ruggedized metal enclosure and small (Watthours) consumed. The model WL45R can be used form factor make the model WL45R an excellent choice for with any current transformer that provides a 5 amp applications such as chiller monitoring where current secondary. The WL45R can be used on three-phase transformers are already provided. The WL45R can also three-wire or three-phase four-wire applications. Full- be used with any of the OSI current transformers shown on

SPECIFICATIONS

INPUTS

Voltage: 120/208 & 277/480

3 Phase 3 Wire Or 3 Phase 4 Wire Phase:

Range: ± 15% * Current: 5 Amp Burden: 2.5 VA

Power Factor: 0.5 Lead To 0.5 Lag

Instrument Power: 208/240/480 50/60Hz, 2.5 Watts

OUTPUTS

Standard

Relay: Dry Contact, 120 V, .3 A, 10 VA MAx

Closure Duration: 250 Milliseconds Isolation: Input/Output/Case 1500Vac

ACCURACY: ± 0.5% FS

TEMPERATURE EFFECTS: (-20°C To +60°C) ± 0.03%/°C

CALCULATING OUTPUT CLOSURE RATE

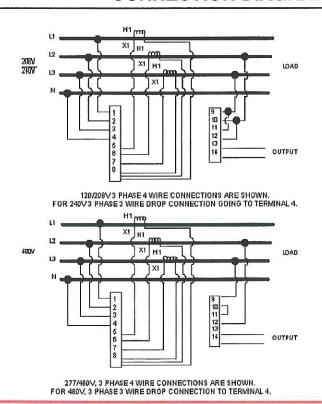
The standard WL45 Watt-Hour is calibrated to give 5 Watt-Hour per count. To calculate the count rate when using current transformers, take the ratio of the current transformer and multiply that by the 5 WH/C.

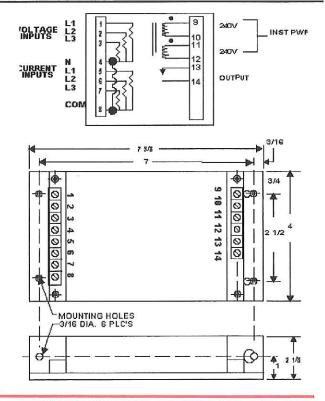
For instance, if you are using a current transformer with a ratio of 100:5 multiply 20 by 5 WH/C for a closure rate 100 WH/C. In the case of 200:5 ratio current transformer the closure rate would be 200 WH/C. Consult factory for other count rates.

* CAUTION

To prevent damage to power lines and the Watt-Hour Transducer NEVER connect the current inputs directly, always use current transformers rated for 600 Vac at 5 ampere secondary to provide the required isolation.

CONNECTION DIAGRAMS & CASE DIMENSIONS





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PLACE AN ORDER:

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