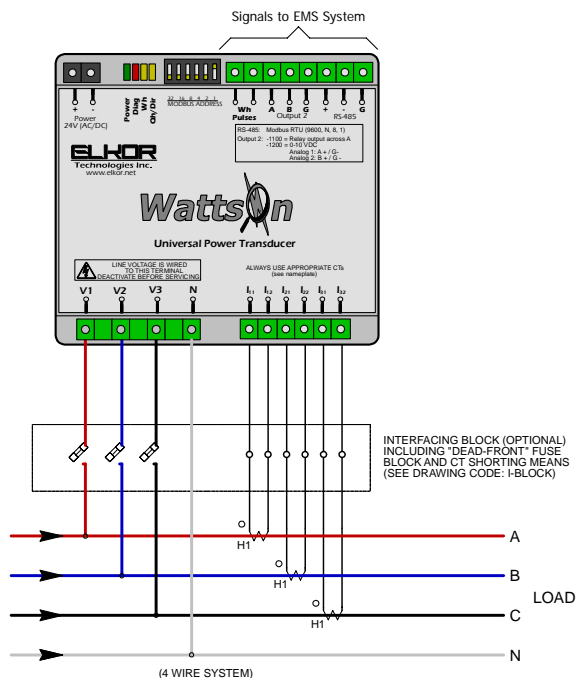
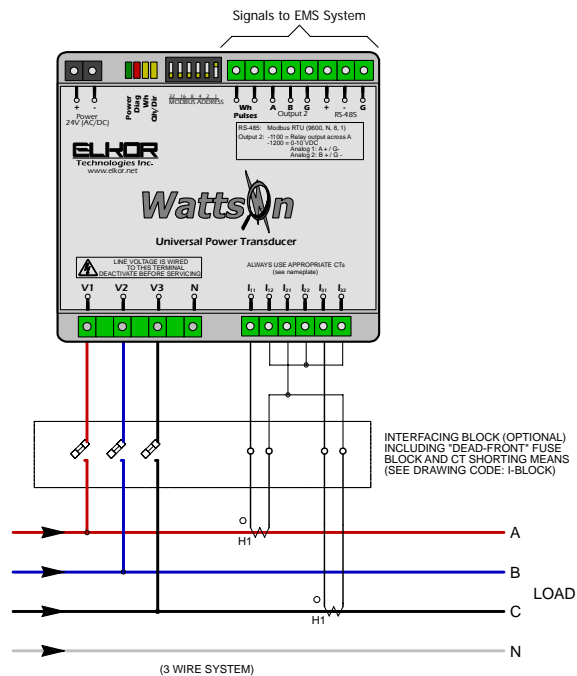


# Common 3-Phase Wiring

## Four-Wire System



## Three-Wire System (using 5A CTs)



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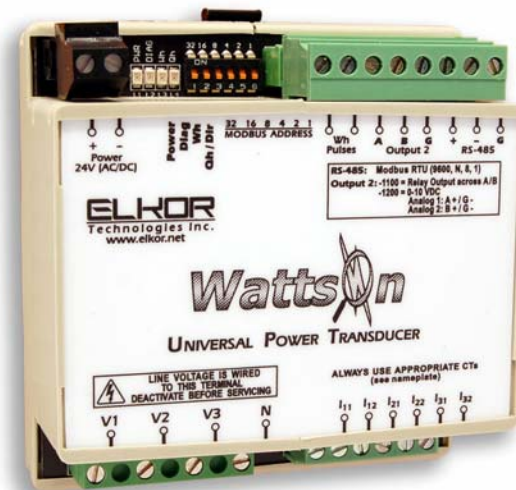
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UNIVERSAL POWER TRANSDUCER

## FEATURES:

- ANSI C12.20 Class 0,2 Accuracy
- Four-quadrant power and energy metering
- Per phase import/export energy accumulation.
- Interfaces with virtually any CT including: 5A, mA, 333mV, 500mV, 1000mV, Solid Core, Split Core, Rogowski Coil, etc.
- DIN Mount, 24 VAC/DC power supply
- Compatible with 3 $\phi$ /3W, 3 $\phi$ /4W, split and single phase configurations
- Standard RS-485 (Modbus RTU) & Pulse outputs.
- Optional 0-10VDC analog outputs
- Optional remote display

## APPLICATIONS:

- Building Energy Management
- Renewable Energy Measurement
  - PV Solar Generation
  - Wind Turbine Generation
- Equipment Monitoring
- Power Factor Correction
- Individual Load monitoring (up to three single phase loads)
- Import/Export Power/Energy Monitoring
- Net Metering
- OEMs: add value to equipment



*Solid Core CTs,  
Flexible CTs  
Split Core CTs,  
...virtually any CT is  
compatible!*

WattsOn<sup>®</sup> Universal Power Transducer provides not only accurate three-phase measurements but also comprehensive *per phase* information, including Volts, Amps, W, VAR, VA, Wh, VARh, VAh, Power Factor and Frequency.

All data is available via RS-485 (Modbus RTU). Two solid-state relays provide pulses for Wh and Qh (or Wh and direction of power flow). Optionally, two 0-10VDC outputs may represent any instantaneous parameter. Both analog outputs and their scaling may be field configured by the user via Modbus.

The optional Remote Display Module communicates via the RS-485 line as a RTU Master or "snoop" whereby it eaves drops on the communications between the WattsOn and the RTU master.

The graphic LCD may be configured to display information based on various WattsOn wiring options, and features a large font mode for easy viewing.



*...WattsOn-RDM: comprehensive information from any location you choose...*