



CURRENT TRANSFORMERS

Rayleigh Instruments provide an extensive range of energy monitoring products including current transformers, kilowatt hour (kWh) meters, multifunction power monitors, measuring transducers, data loggers, communication interfaces and software. Their instrumentation products include analogue and digital square DIN switchboard instruments.

CURRENT TRANSFORMER BLOCKS - SINGLE PHASE



Typical Image

RI-CT060-125A	Single Phase Molded Case Current Transformer - 24mm Cable or 30x10mm busbar - 125 Amps
RI-CT060-200A	Single Phase Molded Case Current Transformer - 24mm Cable or 30x10mm busbar - 200 Amps
RI-CT060-250A	Single Phase Molded Case Current Transformer - 24mm Cable or 30x10mm busbar - 250 Amps
RI-CT060-400A	Single Phase Molded Case Current Transformer - 24mm Cable or 30x10mm busbar - 400 Amps
RI-CT060-500A	Single Phase Molded Case Current Transformer - 24mm Cable or 30x10mm busbar - 500 Amps
RI-CT080-500A	Single Phase Molded Case Current Transformer - 40mm Cable or 50x10mm busbar - 500 Amps
RI-CT080-800A	Single Phase Molded Case Current Transformer - 40mm Cable or 50x10mm busbar - 800 Amps
RI-CT080-1000A	Single Phase Molded Case Current Transformer - 40mm Cable or 50x10mm busbar - 1000 Amps
RI-CT080-1250A	Single Phase Molded Case Current Transformer - 40mm Cable or 50x10mm busbar - 1250 Amps
RI-CT110-1000A	Single Phase Molded Case Current Transformer - 60mm Cable or 60x30mm busbar - 1000 Amps
RI-CT110-1250A	Single Phase Molded Case Current Transformer - 60mm Cable or 60x30mm busbar - 1250 Amps
RI-CT110-1600A	Single Phase Molded Case Current Transformer - 60mm Cable or 60x30mm busbar - 1600 Amps
RI-CT110-2000A	Single Phase Molded Case Current Transformer - 60mm Cable or 60x30mm busbar - 2000 Amps
RI-CT120-1600	Single Phase Moulded Case Current Transformer - 65 x 32mm - 1600 Amps

CURRENT TRANSFORMERS

CURRENT TRANSFORMER BLOCKS - 3 PHASE



Typical Image

RI-CT240-60	3 Phase Current Transformer Block - 25mm Hole Centres - 60:5 Amp
RI-CT240-100	3 Phase Current Transformer Block - 25mm Hole Centres - 100:5 Amp
RI-CT240-125	3 Phase Current Transformer Block - 25mm Hole Centres - 125:5 Amp
RI-CT240-160	3 Phase Current Transformer Block - 25mm Hole Centres - 160:5 Amp
RI-CT242-100	3 Phase Current Transformer Block - 35mm Hole Centres - 100:5 Amp
RI-CT242-160	3 Phase Current Transformer Block - 35mm Hole Centres - 160:5 Amp
RI-CT242-200	3 Phase Current Transformer Block - 35mm Hole Centres - 200:5 Amp
RI-CT242-250	3 Phase Current Transformer Block - 35mm Hole Centres - 250:5 Amp
RI-CT248-250	3 Phase Current Transformer Block - 45mm Hole Centres - 250:5 Amp
RI-CT248-300	3 Phase Current Transformer Block - 45mm Hole Centres - 300:5 Amp
RI-CT248-400	3 Phase Current Transformer Block - 45mm Hole Centres - 400:5 Amp
RI-CT248-630	3 Phase Current Transformer Block - 45mm Hole Centres - 630:5 Amp
RI-CT250-630	3 Phase Current Transformer Block - 70mm Hole Centres - 630:5 Amp
RI-CT250-800	3 Phase Current Transformer Block - 70mm Hole Centres - 800:5 Amp
RI-CT250-1000	3 Phase Current Transformer Block - 70mm Hole Centres - 1000:5 Amp
RI-CT250-1250	3 Phase Current Transformer Block - 70mm Hole Centres - 1250:5 Amp
RI-CT250-1600	3 Phase Current Transformer Block - 70mm Hole Centres - 1600:5 Amp

CURRENT TRANSFORMER BLOCKS - SPLIT CORE



Typical Image

RI-CTS024-G-100/5	Split Core Current Transformer - 24mm Hole - 100:5 Amp
RI-CTS024-G-160/5	Split Core Current Transformer - 24mm Hole - 160:5 Amp
RI-CTS024-G-250/5	Split Core Current Transformer - 24mm Hole - 250:5 Amp
RI-CTS036-G-400/5	Split Core Current Transformer - 36mm Hole - 400:5 Amp
RI-CTS036-G-600/5	Split Core Current Transformer - 36mm Hole - 600:5 Amp



EASYWIRE® SYSTEM

The Rayleigh Easywire® system is a unique concept that dramatically reduces the wiring/installation time of multifunction power meters and current transformers. These savings are made possible due to the innovative design of both the current transformers and the meters, which allow plug-in connectors to be used for both current and voltage input/output. An RJ45 lead is used for connecting between the three phase current transformer and meter, and 'readymade' plug-in leads are used for the voltage input. The meters are provided with both input and output voltage connections which allow up to 32 meters to be daisy-chained to a common supply voltage via the first meter.

EASYWIRE CURRENT TRANSFORMERS - 3 PHASE



Typical Image

- RI-CT240-EW-100** Easywire 3 Phase Current Transformer - 25mm Hole Centers - 100 Amp
- RI-CT240-EW-60** Easywire 3 Phase Current Transformer - 25mm Hole Centers - 60 Amp
- RI-CT242-EW-125** Easywire 3 Phase Current Transformer - 35mm Hole Centers - 125 Amp
- RI-CT242-EW-250** Easywire 3 Phase Current Transformer - 35mm Hole Centers - 250 Amp
- RI-CT242-EW-60** Easywire 3 Phase Current Transformer - 35mm Hole Centers - 60 Amp
- RI-CT248-EW-400** Easywire 3 Phase Current Transformer - 45mm Hole Centers - 400 Amp
- RI-CT248-EW-630** Easywire 3 Phase Current Transformer - 45mm Hole Centers - 630 Amp
- RI-CT250-EW-1600** Easywire 3 Phase Current Transformer - 70mm Hole Centers - 1600 Amp
- RI-CT250-EW-800** Easywire 3 Phase Current Transformer - 70mm Hole Centers - 800 Amp

EASYWIRE ENERGY METERS



Typical Image

- RI-D440-G-C** Easywire Multifunction DIN Rail Energy Meter suitable for Single Load
- RI-D460-G-C** Easywire Multifunction DIN Rail Energy Meter suitable for Double Loads
- RI-D480-G-C** Easywire Multifunction DIN Rail Energy Meter suitable for Quad Loads

EASYWIRE® SYSTEM

EASYWIRE SYSTEM ACCESSORIES

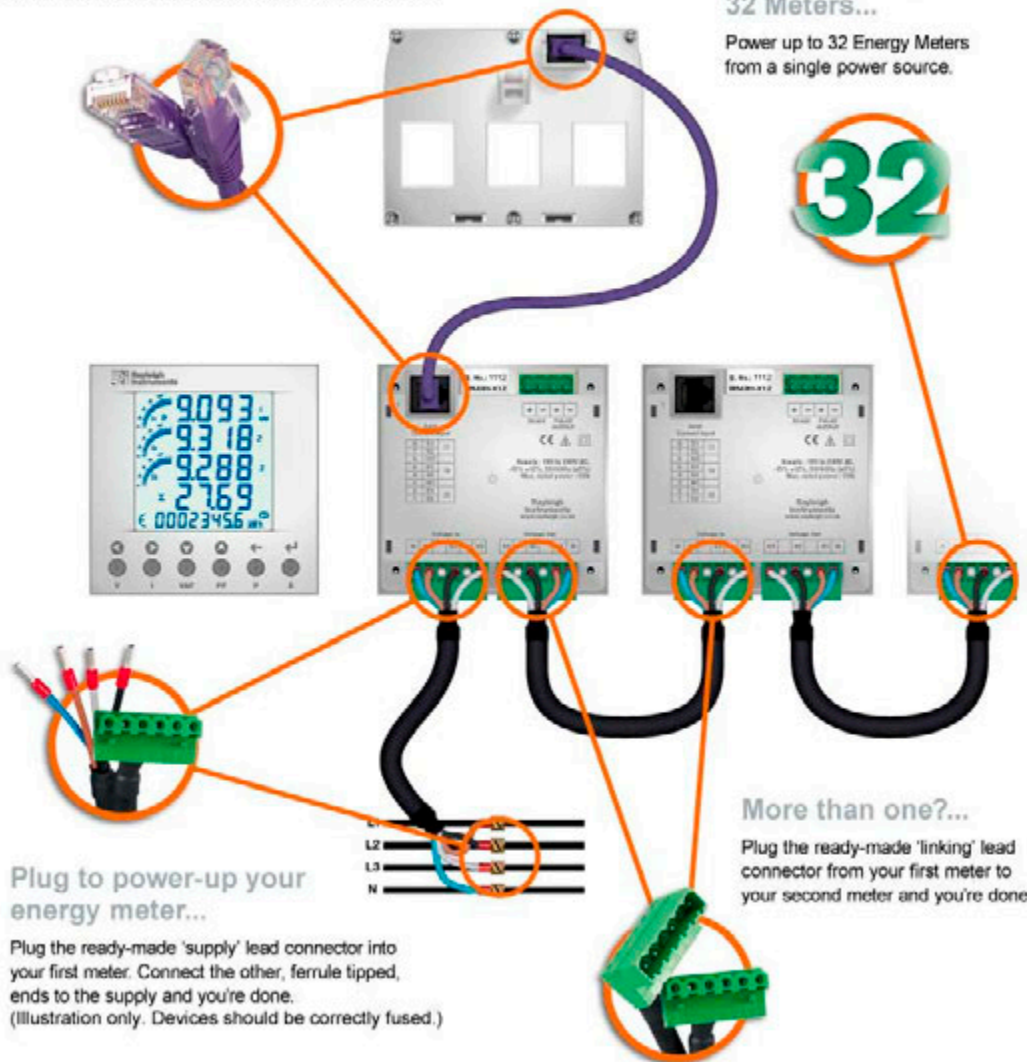
BV9522	Easywire Female Meter Plug
BV9523	Easywire Male Meter Plug
TAS-F-MTMSC0.15	Easywire Meter to Meter Supply Cable - 0.15 meter
TAS-F-MTMSC0.30	Easywire Meter to Meter Supply Cable - 0.3 meter
TAS-F-MTMSC0.5	Easywire Meter to Meter Supply Cable - 0.5 meter
TAS-F-MTMSC1.0	Easywire Meter to Meter Supply Cable - 1.0 meter
TAS-F-MVSC1.50	Easywire Meter Voltage Connection Cable - 1.5 meters
TAS-F-MVSC3.0	Easywire Meter Voltage Connection Cable - 3.0 meters
TAS-RJ45CC1.0	Easywire RJ45 Connection Cable - 1 meter
TAS-RJ45CC3.0	Easywire RJ45 Connection Cable - 3 meter

Connect your current transformer...

Plug one end of the RJ45 lead into the multifunction power meter and the other end into the three-phase current transformer and you're done - it's that simple.

Daisy-chain up to 32 Meters...

Power up to 32 Energy Meters from a single power source.



Plug to power-up your energy meter...

Plug the ready-made 'supply' lead connector into your first meter. Connect the other, ferrule tipped, ends to the supply and you're done. (Illustration only. Devices should be correctly fused.)

More than one?...

Plug the ready-made 'linking' lead connector from your first meter to your second meter and you're done.

ENERGY METERS & POWER ANALYSERS

Multifunction Energy Meters for single phase and three phase MID and non MID energy monitoring applications - direct connection or current transformer operated with a range of communication protocols including pulse, Modbus and Mbus. DIN rail mounting, panel mounting models available.

kWh Energy Meters for single phase and three phase MID and non MID energy monitoring applications - direct connection or current transformer operated with a range of communication protocols including pulse, Modbus RS485 RTU and Mbus.

ENERGY METERS & POWER ANALYSERS



Typical Image

RI-70-100P 3 Phase Multifunction Energy Meter with High Definition LCD Display - 100 Amp Direct Connection - with Pulse Output

RI-D18-100-C Single Phase Multifunction Energy Meter with High Definition LCD Scrolling Display - 100 Amp Direct Connection with RS485 Modbus Communication - 1 module wide

RI-D70-C 3 Phase Multifunction Energy Meter with High Definition LCD Display - 100 Amp Direct Connection - with Pulse Output and RJ485 Modbus Communication

RI-D240-G-C 3 Phase Multifunction Energy Meter with High Definition LCD Display - 5 Amp CT Connection with Modbus Output



Typical Image

RI-F220-G-C Multifunction Energy Meter with LCD Display - 5 Amp Input - with RS485 Modbus & Pulse Output - Displays Energy, Voltage, Current, Power, Power Factor, Frequency & Harmonic Distortion

RI-F500 Multifunction Power Analyser with High Definition LCD Display - 5 Amp Input - Mono Screen - with RS485 Modbus, Pulse Output, 2 Digital Inputs, 2 x Relay Outputs - Expandable with up to 4 Plug in Modules

RI-F550 Multifunction Power Analyser with High Definition LCD Display - 5 Amp Input - Colour Screen - with RS485 Modbus, Pulse Output, 2 Digital Inputs, 2 x Relay Outputs - Expandable with up to 4 Plug in Modules

MODULES



RI-A5IPBAC **RI-F500 Series Power Analyser BACnet TCP/IP Module**



ANRB1 **Sequence Meter for Symmetric 3 Phase Network**