



- **Active Power (Watt) or Reactive Power (kVAR) Transducer for balanced or unbalanced load**
- **Precision true RMS class 0,5 kW and kVAR measurement, not affected by any waveform distortion**
- **For use with 1A or 5A current transformers**
- **Very fast analogue output response time (30-50mS)**
- **1500V Galvanic isolation**

Specifications

Monitored Voltage	100-120, 200-240, 380-415 or 440-460VAC, 40-70Hz
Optional Auxiliary DC Voltage:	18-36 or 36-160VDC
AC voltage:	100-120, 200-240, 380-415 or 440-460VAC, 40-70Hz
Current Input:	1 or 5A C.T.
Analogue Output:	-1/0/+10, -10/0/+10, -20/0/+20, 0-10, 0-20, 4-20, 4,3-20, 4/5,45/20, 4/12/20mA, max 500R or 0-10, 0,2-10V, min 10kohm
Accuracy:	0,5% (of FSD)
Optional Output:	DIN96 slave indicator panel
Temperature:	-20 to +70°C
Weight:	0.5kgs
Front protection:	IP41

Description

To be used in applications that require a very fast response, precision monitoring of active/reactive power. Ideal for systems for regulation and control of the load on generators, motors and inverters.

The MCxWxC2 is a precision power transducer for balanced or unbalanced load system active (W) or reactive (Var).

The unit has ONE very fast response analogue output signal, with amplitude proportional to the measured active power (W) or reactive power (VAr) level.

The noise-immune mA output is isolated from both the C.T. and voltage inputs and auxiliary power.

A green "Supply On" LED indicates the auxiliary supply presence.

It also includes an additional RJ12 output for a DIN96 Slave Indicator (optional).

Shown below are designations for the available circuit configurations:

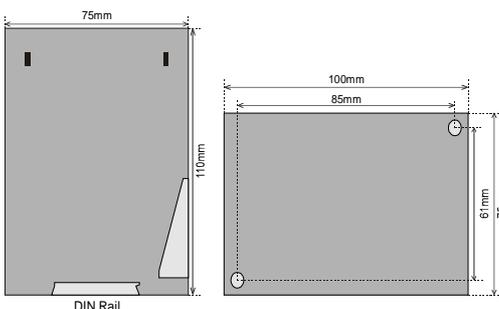
ACTIVE POWER (W)

- MC1W2C2 - 1 element, single phase, 2 wire
- MC1W3C2 - 1 element, 3 phase, 3 wire, balanced load
- MC2W3C2 - 2 element, 3 phase, 3 wire, unbalanced load
- MC3W4C2 - 3 element, 3 phase, 4 wire, unbalanced load

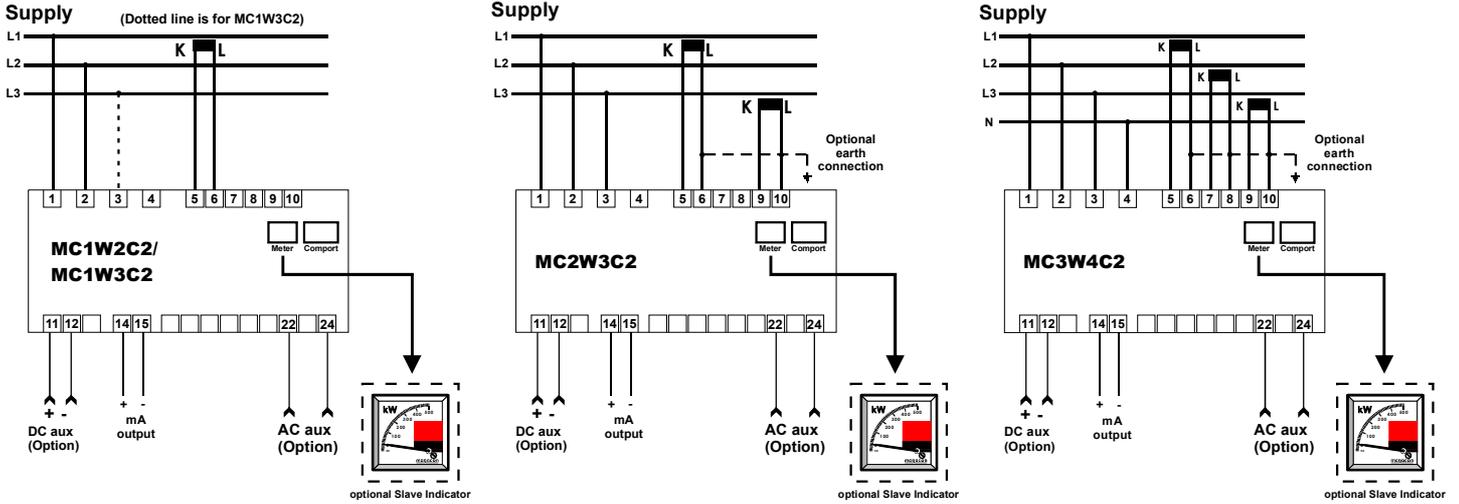
REACTIVE POWER (VAr)

- MC1R2C2 - 1 element, single phase, 2 wire
- MC1R3C2 - 1 element, 3 phase, 3 wire, balanced load
- MC2R3C2 - 2 element, 3 phase, 3 wire, unbalanced load
- MC3R4C2 - 3 element, 3 phase, 4 wire, unbalanced load

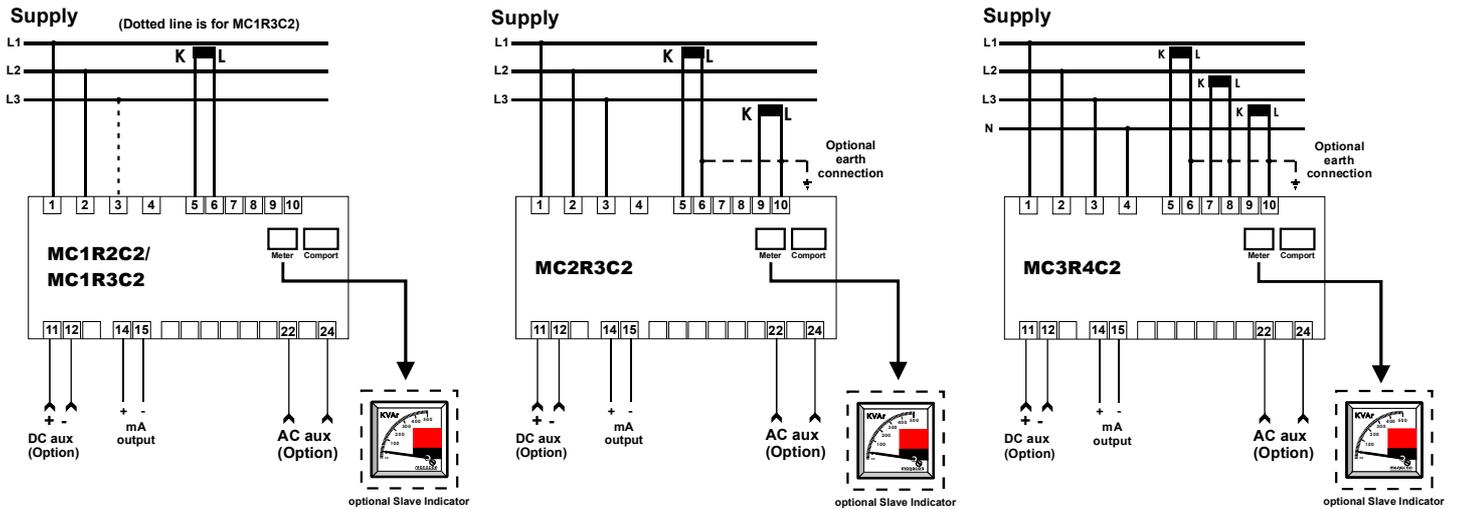
The unit meets IEC60092-504 and the relevant environmental and EMC tests specified in IEC60068/60092 and IEC61000/60533 respectively, to comply with the requirements of the major Classification Societies.



ACTIVE POWER (W)



REACTIVE POWER (VAR)



The MEGACON policy is one of continuous improvement, consequently equipment supplied may vary in detail from this publication.

ORDERING EXAMPLE:

Type:	MC2W3C2
Aux. Supply:	24VDC
System Voltage:	690:230V
Input Current:	1500/1A
Range:	-150/0/+1500kW
Analogue O/P:	-1/0/+10mA

