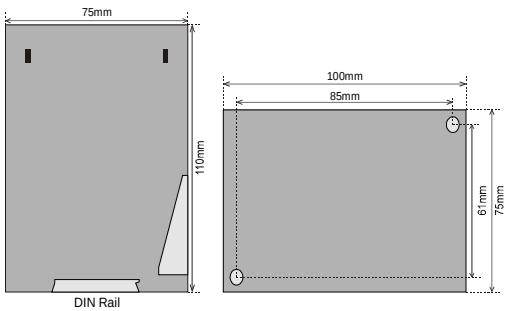
HIGH PRECISION POWER MEASURING TRANSDUCER - CLASS 0,2

MCxWx-C0,2

- **Active Power (Watt) Transducer for balanced or Unbalanced load**
- **High Precision true RMS class 0,2 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: AC voltage:	 18-36 or 36-160VDC 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:	0,2% (of FSD)
Optional Output:	DIN96 slave indicator panel
Temperature:	-20 to +70ºC
Weight:	0.5kgs
Front protection:	IP41



Description

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

The unit is a high precision class 0,2 power transducer (Watt) for balanced or unbalanced load system.

The unit has ONE very fast response analogue output signal, with amplitude proportional to the measured active power (W) level. It is recommended to use high precision current transformer of class 0,2.

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).

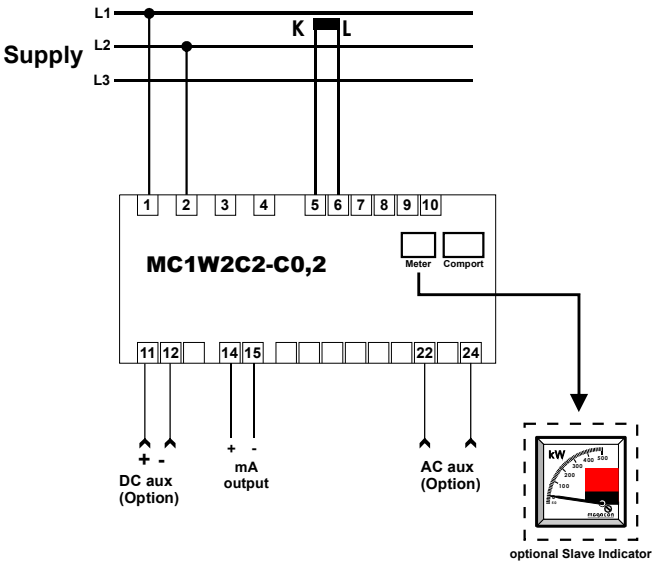
Shown below are designations for the available circuit configurations:

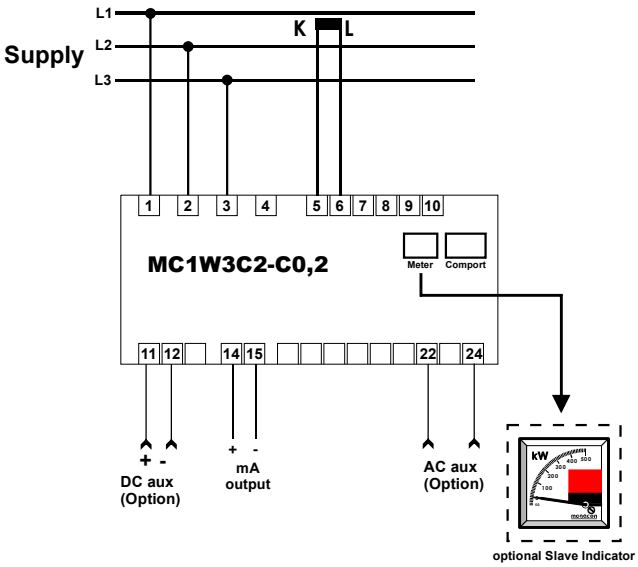
ACTIVE POWER (W)
MC1W2C2-C0,2 - 1 element, single phase, 2 wire
MC1W3C2-C0,2 - 1 element, 3 phase, 3 wire, balanced load
MC2W3C2-C0,2 - 2 element, 3 phase, 3 wire, unbalanced load
MC3W4C2-C0,2 - 3 element, 3 phase, 4 wire, unbalanced load

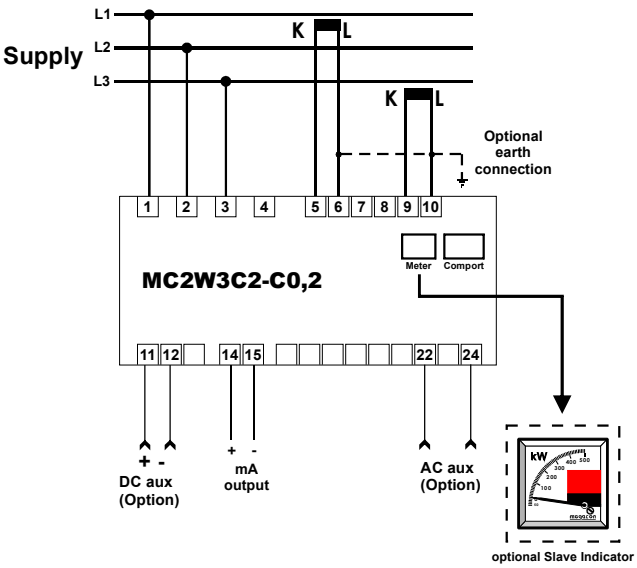
The unit meets IEC60092-504 and the relevant environmental and EMC tests specified in IEC60068/60092 and IEC61000/60533 respectively, to comply with the requirements of the major Classification Societies.

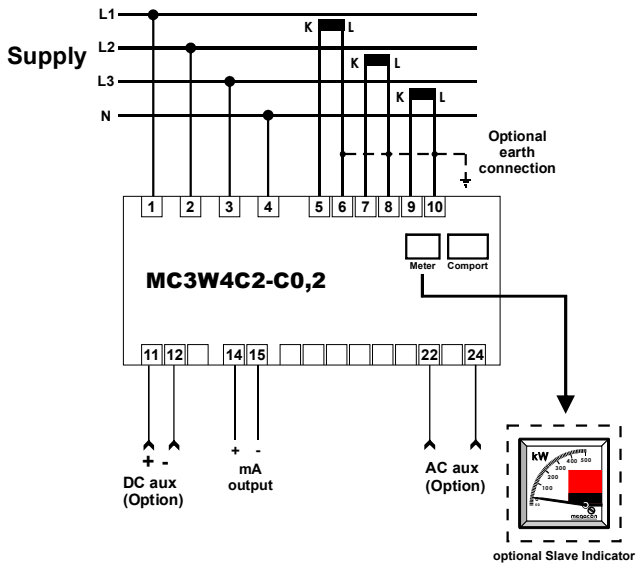
MCxWx-C0,2

ACTIVE POWER (W)









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

ORDERING EXAMPLE:

Type:	MC2W3C2-C0,2
Aux. Supply:	24VDC
System Voltage:	690:230V
Input Current:	1500/1A
Range:	-150/0/+1500kW
Analogue O/P:	-1/0/+10mA

IS range

CE

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