

# POWER TRANSDUCER

# MC2W3C/D

## Active power transducer for three phase, three wire, unbalanced loads with two analogue outputs

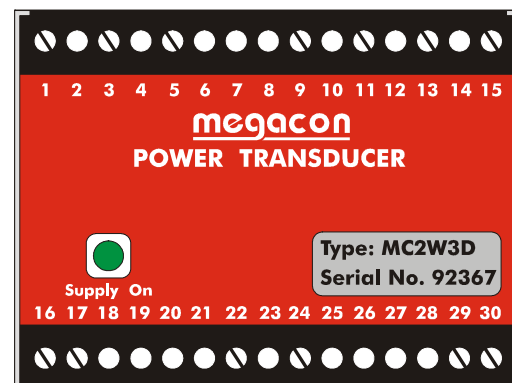
### FEATURES

The MC2W3 is a AC measuring converter with two independent output signals.

MC2W3C can provide two outputs of 10mA maximum each (2 x 10mA) or 1 x 20mA(O/P2).

MC2W3D can provide two outputs, one of 10mA and one of 20mA maximum (O/P1: 1 x 10mA + O/P2: 1 x 20mA).

A third variant is available with a pulsed kilowatt-hour output designated MC2W3P – see separate datasheet.

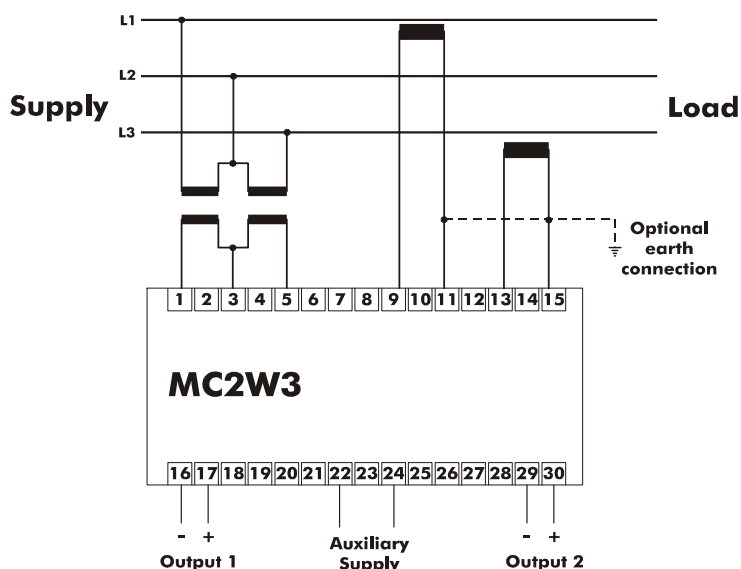


A green “Supply On” LED indicates the auxiliary supply is present.

The voltage inputs can be connected directly to systems up to 440V or calibrated for voltage transformer (V.T.) inputs. The current inputs can accept standard 1A or 5A secondary current transformer (C.T.) inputs.

The outputs are true calorimetric values proportional to the level and direction of flow of active power. They are designed for use on three phase, three wire systems with balanced or unbalanced loads.

The outputs are protected against short circuit or open circuit conditions and can be directly added or subtracted with other Megacon transducer outputs.



Auxiliary Supply  
100-120, 200-240, 380-440V AC  
18-36V, 36-72V DC  
Nominal +/- 10%

Current Input  
/1A or /5A secondary C.T.  
Class 1 recommended

Voltage Input  
up to 440V direct  
or via voltage transformer (V.T.)

Accuracy  
Class 1 between 30 to 120%In

Output – MC2W3C  
Maximum combined output : 20mA  
Typical 2 x 1/0/10mA  
Or 1 x 4/20mA

Output – MC2W3D  
Maximum combined output : 30mA  
Typical 1 x -1/0/10mA  
1 x 4/20mA

Outputs – General  
Milliamp outputs : max. 500Ω load  
Voltage outputs : min. 500Ω load

The use of screened cable is recommended for the output signals.  
The negatives of the output signals MUST NOT be earthed.

### ORDERING INFORMATION

Auxiliary voltage	:	Kilowatt range	:
System voltage	:	Output 1	:
C.T. ratio	:	Output 2	:

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



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