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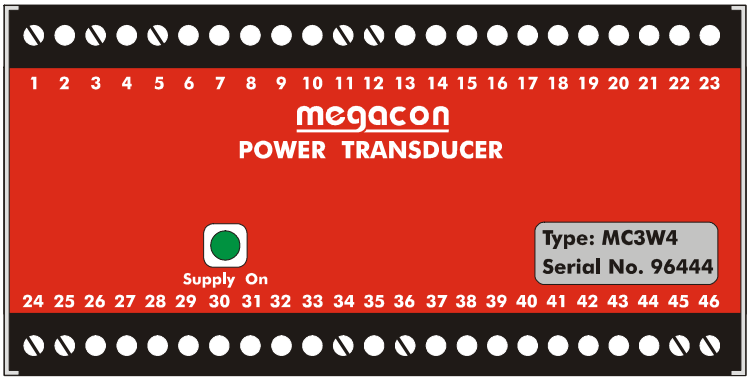
POWER TRANSDUCER MC3W4C/D

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

FEATURES



The MC3W4 is a AC measuring converter with two independent output signals.

MC3W4C can provide two outputs of 10mA maximum each (2 x 10mA) or 1 x 20mA(O/P2).

MC2W4D can provide two outputs, one of 10mA and one of 20mA maximum (O/P:1 x 10mA, + O/P2: 1 x 20mA).

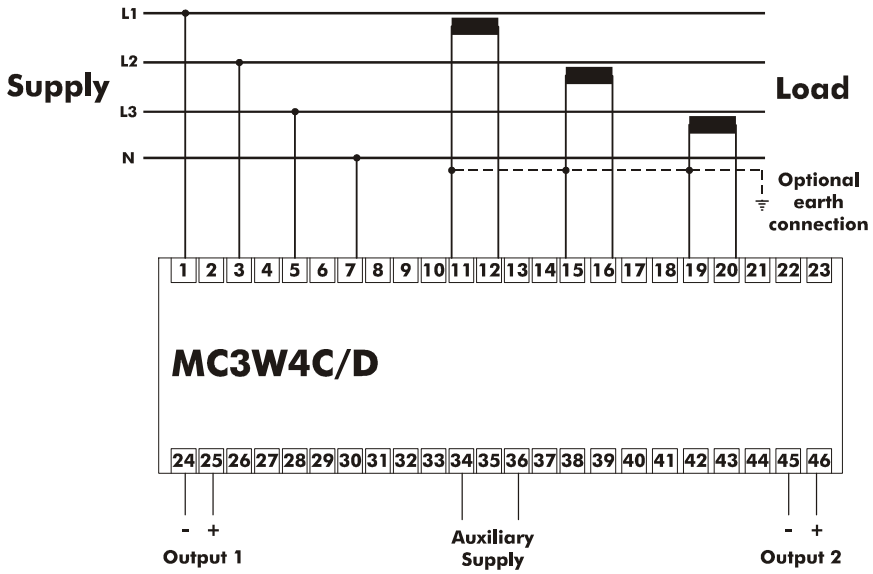
A third variant is available with a pulsed kilowatthour output designated MC3W4CP – see separate datasheet.

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.



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

Auxiliary Supply
100-120V, 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 – MC3W4C
Maximum combined output : 20mA
Typical 2 x 1/0/10mA
Or 1 x 4/20mA

Output – MC3W4D
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

ORDERING INFORMATION

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

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