

ZIEGLER DPM 48/96 3PH. ACI/ACV

Features:

Available in Size 48mm x 96mm

- 3PH. AC Voltage or Current ranges.
- On site Programmable CT / PT ratio.
- Built in selector switch to Display Phase Currents (R, Y, B) in ACI and Phase to neutral Voltages (R, Y, B) and Line to Line Voltages (RY,YB, BR) in ACV.

Available in 3PH. 3 WIRE and 3PH. 4 WIRE Versions.

- 3 ½ digit ultra bright Display.
- User defined Caption.
- Auxillary Power Supply : AC – 115V, 230V and DC - 24 V.

Highly adaptable DPMs suitable for a wide range of measuring applications.

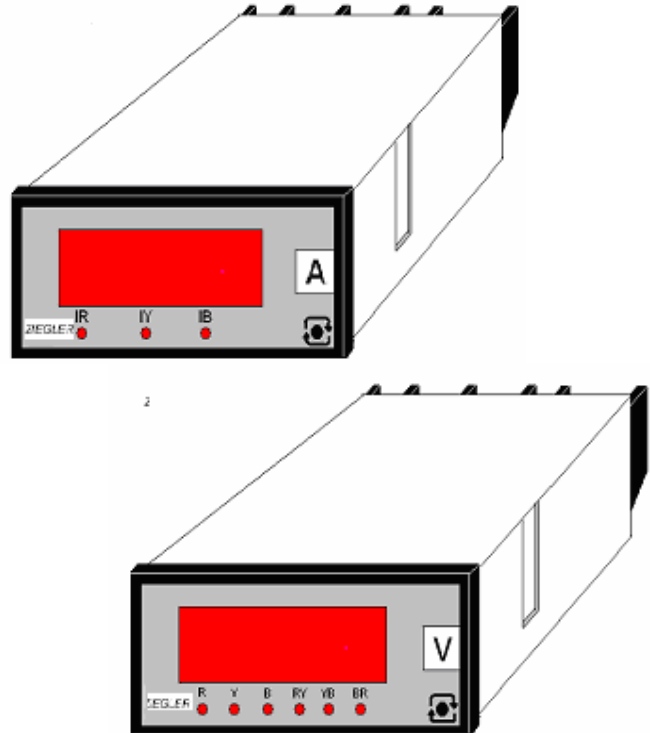
Versions available for 3PH. AC Current or 3PH. AC Voltage inputs.

The chosen input range is user adjustable, from 5% to 100% of the full-scale value, for simple adaptation of the digital readout to the input value.

Applications

The digital panel meters ZIEGLER DPM 48 x 96 have been designed for industrial applications, which frequently require precise and on-site adjustment of the display range.

It can be used in industrial automation and for laboratory uses.



Description

ZIEGLER DPM 48/96 3PH. ACI / ACV :

ACI	3PH. Current measurement (AC)
ACV	3PH. Voltage measurement (AC)

3 ranges for power supply are available.

Applicable Regulations and Standards

Device safety	to IEC EN 61 010
EMC immunity	DIN EN 61 000-4-1 to 4
EMC radiated interference	DIN EN 50 081 Class B

ZIEGLER INSTRUMENTS

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Specifications :

Display :	Display range	: 1999
	Decimal point position	: Selectable by short links at the front side of Display.
	Negative display indication	: " - "
	Digit height	: 14 mm / 7- segment digits.
	Overload indication	: Last 3 digits blank.

Measuring ranges :

Model	3PH. ACI
System	3PH. 3 WIRE or 3PH. 4 WIRE
Current Ranges Available (Voltage drop < 600 mV / Phase)	0...1A [45 65 Hz] or 0...1A [400 Hz] or 0...5A [45 65 Hz] or 0...5A [400 Hz] .

Model	3PH. ACV
System	3PH. 3 WIRE or 3PH. 4 WIRE
Voltage Ranges Available (Input current < 600 μ A / Phase)	0...110 V L-L [45 65 Hz] or 0...110 V L-L [400 Hz] or 0...240 V L-L [45 65 Hz] or 0...240 V L-L [400 Hz] or 0...415 V L-L [45 65 Hz] or 0...415 V L-L [400 Hz] or

Accuracy :

Versions 3PH. ACI / ACV :	Measuring Accuracy Current	< 0.5% + 1 digit. (Voltage drop < 600 mV/Phase)
	Measuring Accuracy Voltage	< 0.5% + 1 digit. (Input current < 600 μ A/Phase)
	Temperature coefficient	100 ppm/°C, plus.
	Zero point drift	200 ppm/°C.
	Range adjustment span	from 5% to 100% of range.

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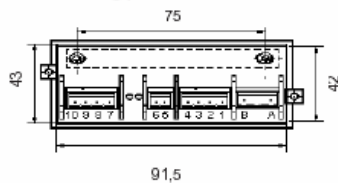
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Power supply	Direct voltage DC	: 24V (21...30V)	5.5W approx. (isolated).
	Alternating voltage AC	: 115V + 10% -15%	5.5W approx. (isolated).
		: 230V + 10% -15%	5.5W approx. (isolated).
	Frequency	: 47 – 60 Hz.	
Ambient conditions	Operating temperature	: 0 ... 50 °C.	
	Storage temperature	: - 25 ... 70 °C.	
Dimensions and Weights	Bezel size	: 96 mm x 48 mm DIN 43 718	
	Panel cut-out	: 92 + 0.8 mm x 43.5 + 0.6 mm.	
	Overall depth	: 138 mm.	
	Weight	: 500 gm. Approx.	
Sundry	Connections	: Plug-in screw terminal blocks.	

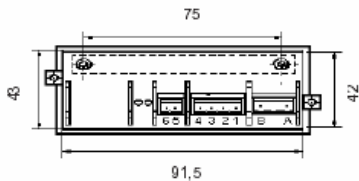
Design & Installation



Mounting position for 3PH. ACI



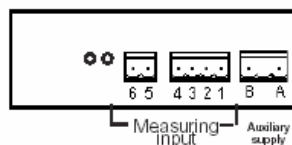
Mounting position for 3PH. ACV



Connections : 3PH.ACI



3PH.AC V



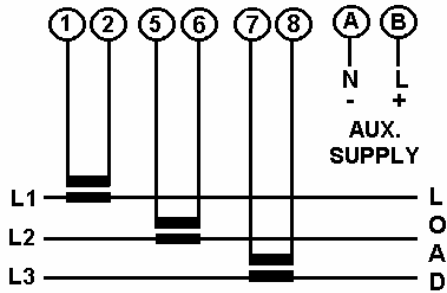
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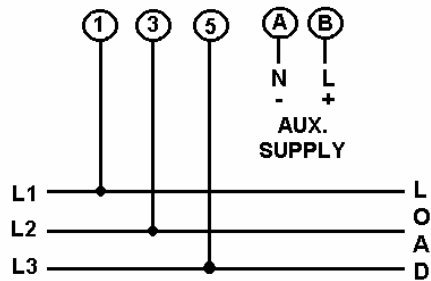
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Connections Diagram :

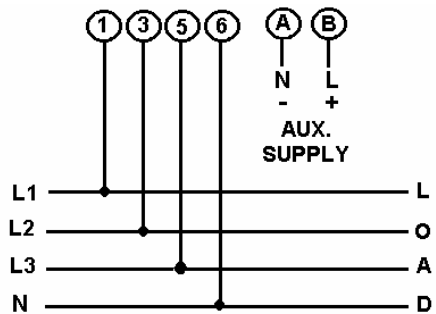
CONNECTION FOR 3PH. 3 WIRE / 4 WIRE ACI



CONNECTION FOR 3PH. 3 WIRE ACV



CONNECTION FOR 3PH. 4 WIRE ACV



Decimal point Adjustment : Decimal point position is selectable by short links at the front side of Display.

Short Link Position	Decimal point position on Display
	XXXX
	X.XXX
	XX.XX
	XXX.X

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Order Details	Example	Example
Type : ZIEGLER DPM 48/96 3PH. ACV	ZIEGLER DPM 48/96 3PH. ACI
System Type : 3PH. 4WIRE ACV	3PH. 3WIRE ACI
Measuring Input : 0 ... 415 VL-L	0 ... 1 A
Input Frequency : 50Hz	60Hz
Display Full-Scale : 0 ... 500	0 ... 1000
Display caption : V	A
Options :	
Aux. Supply : 230 V AC, 50 Hz.	24 V DC

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