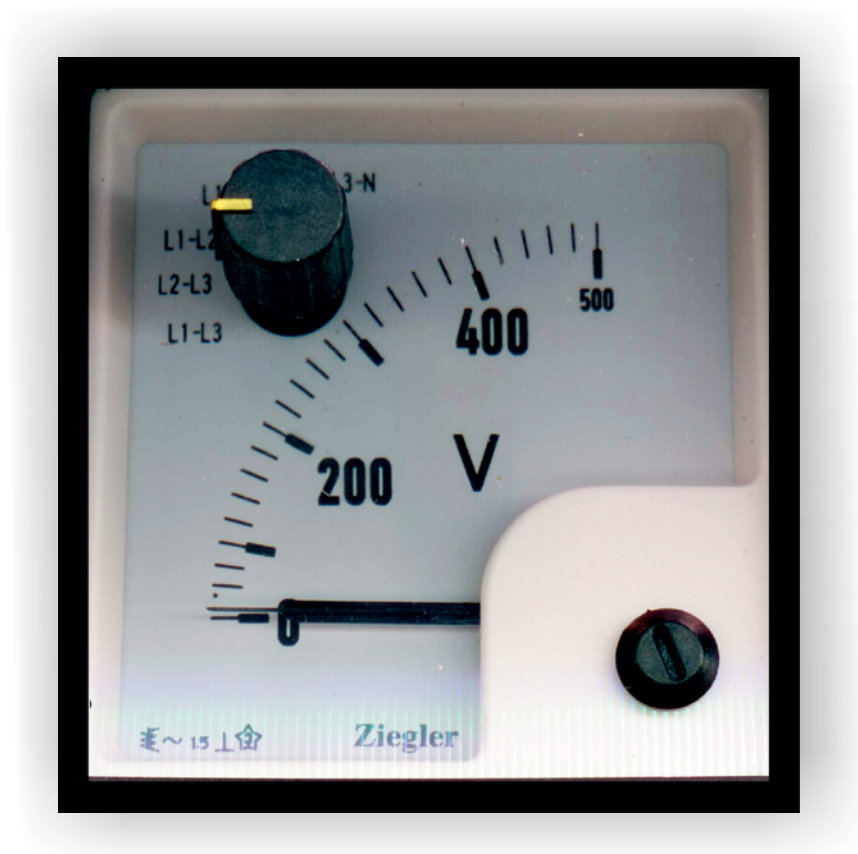


# Instruction Sheet

For Analogue Panel Meter type SWT.



## 1.0 General :

This meter complies with International standard IEC 1010-1 for safety and is conforming to routine test as per IEC 51. The test equipment used is traceable to National/International standards.

This product must be used after mounting in panel with hardware supplied, with wires permanently connected to terminal as specified.

## 2.0 Meaning of Symbols :

CE EU conformity mark

## 3.0 Safety specifications (IEC1010) :

- \* Indoor use
- \* Altitude up to 2000m
- \* Temp. -10 to +55°C
- \* Maximum relative humidity 80% for temperature up to 31°C decreasing linearly to 50% relative humidity at 40°C
- \* Basic Insulation
- \* Pollution degree 2
- \* Installation Categories (overvoltage category) : 600V CAT III

## 4.0 Equipment Installation :

- \* Due consideration should be given to space behind the meter to allow for bends in connecting cables.
- \* Ensure that wires do not remain under tension.
- \* The product do not have internal protection against overload & short circuit. Hence external safety protection should be provided. It is recommended to install protective device near equipment.

## 5.0 Operation & Maintenance :

- \* Equipment must be installed & maintained by suitable qualified person.
- \* If equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- \* Instrument with damaged bezels or glasses must be disconnected from mains.
- \* Back cover must be snapped into place for protection against accidental contact.
- \* Disconnect supply before replacing scales, bezels or glasses.
- \* There are no user serviceable parts in this product
- \* Instruments to be used in grounded panel.

## 6.0 Equipment Rating :

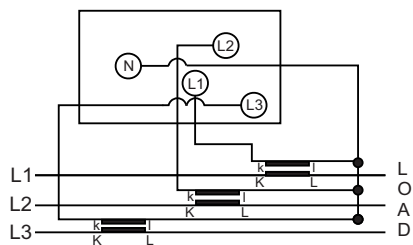
As per information on sticker and Dial of the instrument.

## 7.0 Burden :

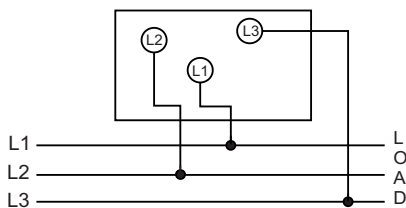
Voltmeters	:	< 4.5VA
Ammeters_< 5A	:	< 0.5VA

## Connections:

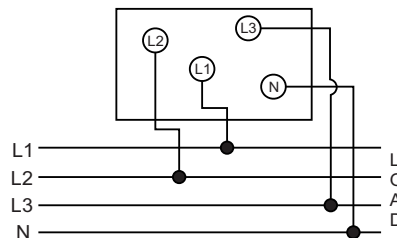
AC Ammeters With Selector Switch



AC Voltmeters 3 Phase 3 Wire



AC Voltmeters 3 Phase 4 Wire



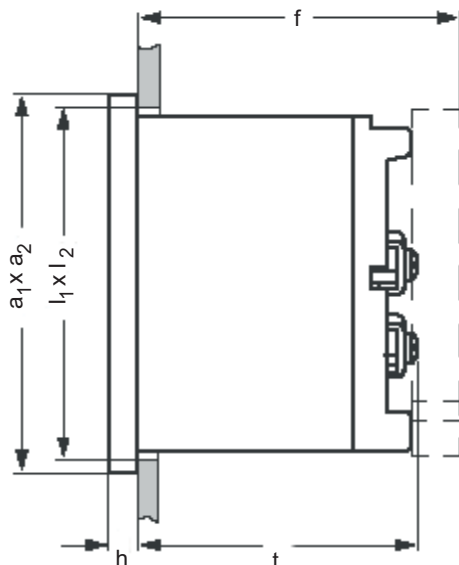
For Single phase system there will be 4 switch positions as-  
OFF L1 L2 L3

For 3 phase 3 wire system, 4 switch positions are as-  
OFF L1-L2 L2-L3 L3-L1

For 3 phase 4 wire system, 6 switch positions are as-  
L1-L3 L2-L3 L1-L2 L1-N L2-N L3-N

For 3 phase 4 wire system, 7 switch positions are as-  
OFF L1-L3 L2-L3 L1-L2 L1-N L2-N L3-N

## Dimensions:



Front in mm	Nominal Dimensions, mm		Cutout, mm l <sub>1</sub> x l <sub>2</sub>	Installation Depth Including Terminal (t), mm	Installation Depth Incl. Full back Cover (f), mm
	a <sub>1</sub> x a <sub>2</sub>	h			
72 x 72	72 x 72	5.5	68 <sup>+0.7</sup> x 68 <sup>+0.7</sup>	53	64
96 x 96	96 x 96	5.5	92 <sup>+0.8</sup> x 92 <sup>+0.8</sup>	53	64

## ZIEGLER INSTRUMENTS

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Redefine Innovative Metering