



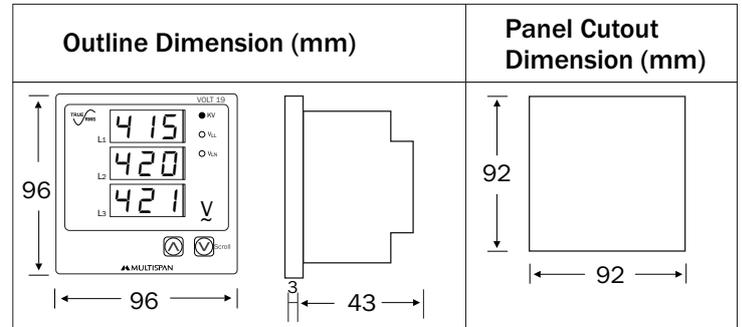
ENVIRONMENT CONDITION :

Operating Temp.	0°C to 55°C
Relative Humidity	UP to 95% RH (non-condensing)
Protection Level (As per request)	IP-65 (Front side) As per IS/IEC 60529 : 2001

NETWORK CONNECTION :

3Ø-3W/3Ø-4W

MECHANICAL INSTALLATION



TECHNICAL SPECIFICATION

FEATURES :

- 3 Line 3 digit bright LED display,
- Network Selection 3Ø-3W/3Ø-4W

INPUT SPECIFICATION :

Voltage AC	
Rated voltage Ac (Direct voltage AC)	50 to 520V (L - L) 30 to 300V (L - N)
Primary PT Ratio	100V to 520KV (Programmable)
Secondary PT Ratio	100V to 520V (Programmable)
Burden	< 0.2 VA
Frequency	45.0 to 65.0 Hz

DISPLAY AND KEYS :

Display	3 digit, 3line, 7 seg, 0.56" RED LED
Keys	INC, DEC (Scroll)

GENERAL SPECIFICATION :

Dimension (mm)	96 (H) x 96 (W) x 43 (D) mm
Panel Cutout	92 (H) x 92 (W) mm
Measure Parameter	VLL - VLN (3Ø - 4W) VLL (3Ø - 3W)

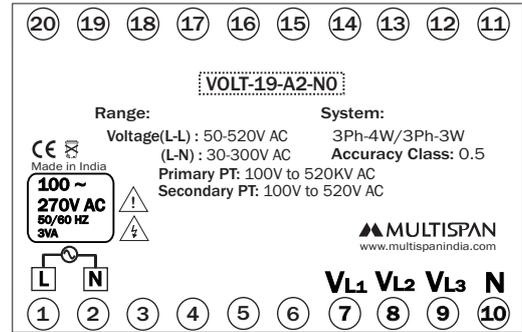
ACCURACY

Class 0.5 (Standard)

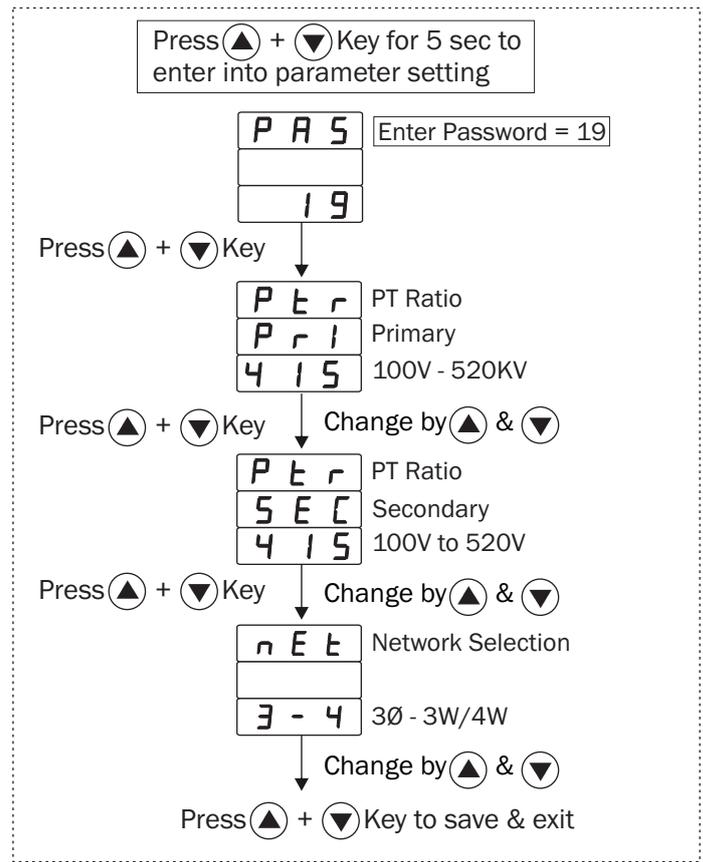
AUXILIARY SUPPLY :

Supply voltage	100 to 270V AC,50/60Hz
Power consumption (VA RATING)	3VA

TERMINAL CONNECTION



PARAMETER SETTING



KEY OPERATION

FUNCTION	PRESS KEY
OPERATOR MODE	
To enter in parameter setting	 +  For 5 sec
To view individual phase voltage	 OR 
PARAMETER SETTING MODE	
It is used to set parameter value and to be save & exit from menu	 + 
To increment value in parameter setting	
To decrement value in parameter setting	
To Scroll & Hold Page	 For 5 sec (Only 3Ø4W)

DISPLAY PAGE

3Ø-4W

1) Voltage L12-L23-L31

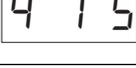
L1



L2



L3



KV

V_{LL}

V_{LN}

2) Voltage L1-L2-L3

L1



L2



L3



KV

V_{LL}

V_{LN}

3Ø-3W

1) Voltage L12-L23-L31

L1



L2



L3



KV

V_{LL}

V_{LN}

MAINTENANCE

- 1) The equipment should be cleaned regularly to avoid blockage of ventilating parts.
- 2) Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
- 3) Fusible resistor must not be replaced by operator.

INSTALLATION GUIDELINES

- 1) Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
- 2) Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power 'ON' or 'OFF' function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.
- 3) Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.



SAFETY PRECAUTION

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment.



Read complete instructions prior to installation and operation of the unit.



WARNING : Risk of electric shock.

WARNING GUIDELINES



WARNING : Risk of electric shock.

- 1) To prevent the risk of electric shock, power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
- 2) To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
3. Cable used for connection to power source, must have a cross section of 1mm or greater. These wires should have insulations capacity made of at least 1.5kV.
- 4) A better anti-noise effect can be expected by using standard power supply cable for the instrument.

Specifications are subject to change, since development is a continuous process, So for more updated operating information and Support, Please contact us. Ver:2204

MECHANICAL INSTALLATION

- 1) To install the instrument on a DIN rail, raise the clamp at the back of the instrument and place it on the rail. Now release the clamp, so the instrument fits on the DIN rail.
- 2) Ensure proper fitting of the instrument by pulling it outwards.
- 3) To remove the instrument raise the clamp to release it from the DIN rail.
- 4) The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oil steam, or other unwanted process byproducts.
- 5) Do not connect anything to unused terminals.