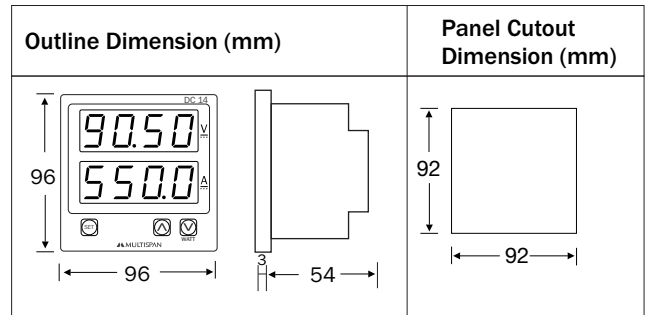




ENVIRONMENTAL CONDITION

| | |
|-----------------------------------|---|
| Working Temperature | 0 to 55 °C |
| Storage Temperature | 0 to 55 °C |
| Relative Humidity | 95 % RH Non-Condensing |
| Protection Level (As per Request) | IP-65 (Front side As per IS/IEC 60529 : 2001) |

MECHANICAL INSTALLATION



TECHNICAL SPECIFICATION

INPUT SPECIFICATION :

| Current | |
|-------------------|---|
| Input Current | Through external shunt (-75mV To+75mV DC) |
| Shunt Selectable | -999 to 9999 Amp |
| Voltage | |
| Direct voltage DC | 0 to 1000V DC |

CALCULATED PARAMETERS :

| Parameter | Range | Accuracy |
|------------|--------------------|---------------|
| DC Voltage | 0.00 - 49.99 V DC | 1 % OF 49.99V |
| | 50.0 - 199.9 V DC | 1 % OF 199.9V |
| | 200.0 - 399.9 V DC | 1 % OF 399.9V |
| | 400.0 - 1000 V DC | 1 % OF 1000 V |
| DC Current | -999 - 9999 A DC | 1 % OF FSD |
| WATT | 0000 - 9999 KW | |

DISPLAY & KEYS :

| | |
|---------|--|
| Display | 4 Digit, 1 Line 7 seg. 0.8" RED 4 Digit, 1 Line 7 seg. 0.8" White |
| Key | Set, INC, DEC |

DIMENSION :

| | |
|--------------|-----------------------------|
| Size (mm) | 96 (H) x 96 (W) x 54 (D) mm |
| Panel Cutout | 92 (H) x 92 (W) mm |

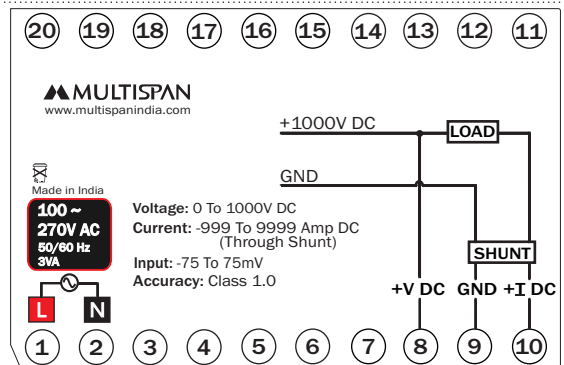
AUXILIARY POWER SUPPLY :

| | |
|--------------|-------------------------|
| Power Supply | 100V to 270V AC,50/60Hz |
| Burden | Approx 3VA @ 230V AC |

ACCURACY

| |
|----------------------|
| Class 1.0 (Standard) |
|----------------------|

TERMINAL CONNECTION



ERROR DISPLAY

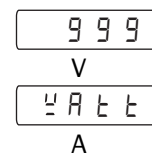
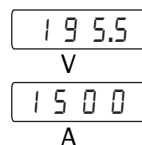
When an error has occurred the display indicates error codes as given below.

| ERROR | MEANING |
|-------|--|
| SHEr | Shunt error or shunt connection is open |
| Over | Shunt input signal is excess more then 75mV DC |

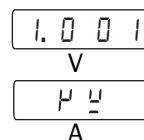
DISPLAY INDICATION

1) Amp & Voltage Page

2) Watt Page




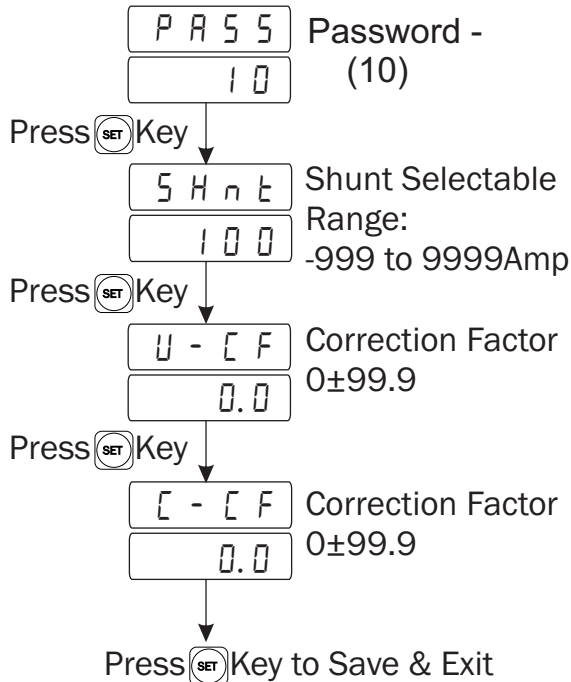
If watt value is greater than 999 watt , then display will shown in KW (Kilo Watt) as below.






Note :- Press Key for change page.

PARAMETER SETTING

Press  Key For 5 Sec.
To Enter in Parameter Setting



KEY OPERATION

| FUNCTION | PRESS KEY |
|-------------------------------|---|
| OPERATOR MODE | |
| To enter in parameter setting |  Press 5 sec |
| PARAMETER SETTING MODE | |
| To increment parameter value. |  |
| To decrement parameter value. |  |

MECHANICAL INSTALLATION

1. Prepare the panel cutout with proper dimensions as shown above.
2. Fit the unit into the panel with the help of clamp given.
3. 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.
4. Use the specified size of crimp terminal (M3.5 screws) to wire the terminal block. Tightening the screws on the terminal block using the tightening torque of the range of 1.2 N.m.
5. Do not connect anything to unused terminals.

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.



SAFETY PRECAUTION

Please read the "Safety Warnings" in the instruction manual supplied with the instrument thoroughly and completely for correct use. Failure to follow the safety rules can cause fire, trouble, electrical shock, etc. Therefore, make sure to operate the instrument on a correct power supply and voltage rating marked on each 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.

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.