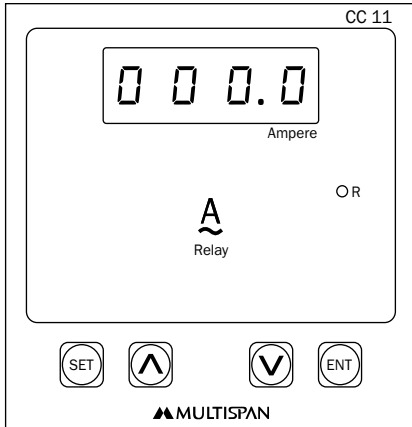


**Technical Specification**

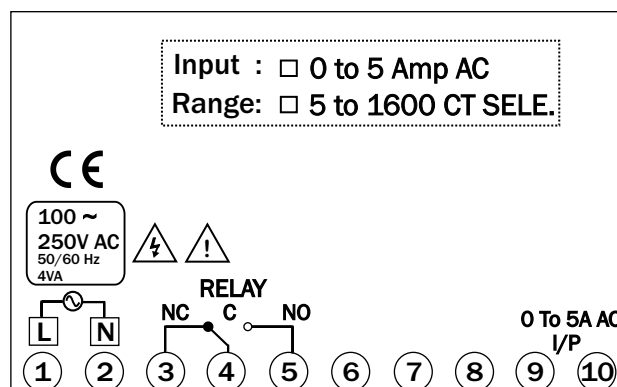


<b>Model</b>	<b>CC-11</b>
<b>Display</b>	Micro Controller Based, Single Display
<b>Size (mm)</b>	96 (H) X 96 (W) X 50 (D) mm
<b>Panel Cutout</b>	92 X 92 mm
<b>Input</b>	0 To 5Amp AC
<b>Output</b>	1 Relay with 1 C/O, 230V AC, 5A
<b>Range</b>	5 To 1600 CT SELECTABLE AC
<b>Power Supply</b>	100 to 250V AC, 50/60 Hz, Approx 4VA
<b>Protection Level (As per request)</b>	IP-65 (Front side) As per IS/IEC 60529 : 2001
<b>Operating Temperature</b>	0°C To 55°C
<b>Relative Humidity</b>	Up to 95% RH Non Condensing

**Working**

- (1) Do all connection as show in connection diagram and turn ON Instrument.
- (2) If low alarm mode is select then starting delay time and delay time both works.
- (3) When power ON at that time relay will turn ON after completion of starting delay time. this delay works only one time after power ON.
- (4) When Current values reach at SET value or above SET value at that time Delay time will be start & after completion of delay time, if process value Greater than set value relay must be OFF.
- (5) When Current values is less than of SET - HYS than relay will be ON.
- (6) If high alarm mode is select then only delay time will works.
- (7) initially relay in OFF condition and when current value reach at that time relay will turn ON after completion of delay time.

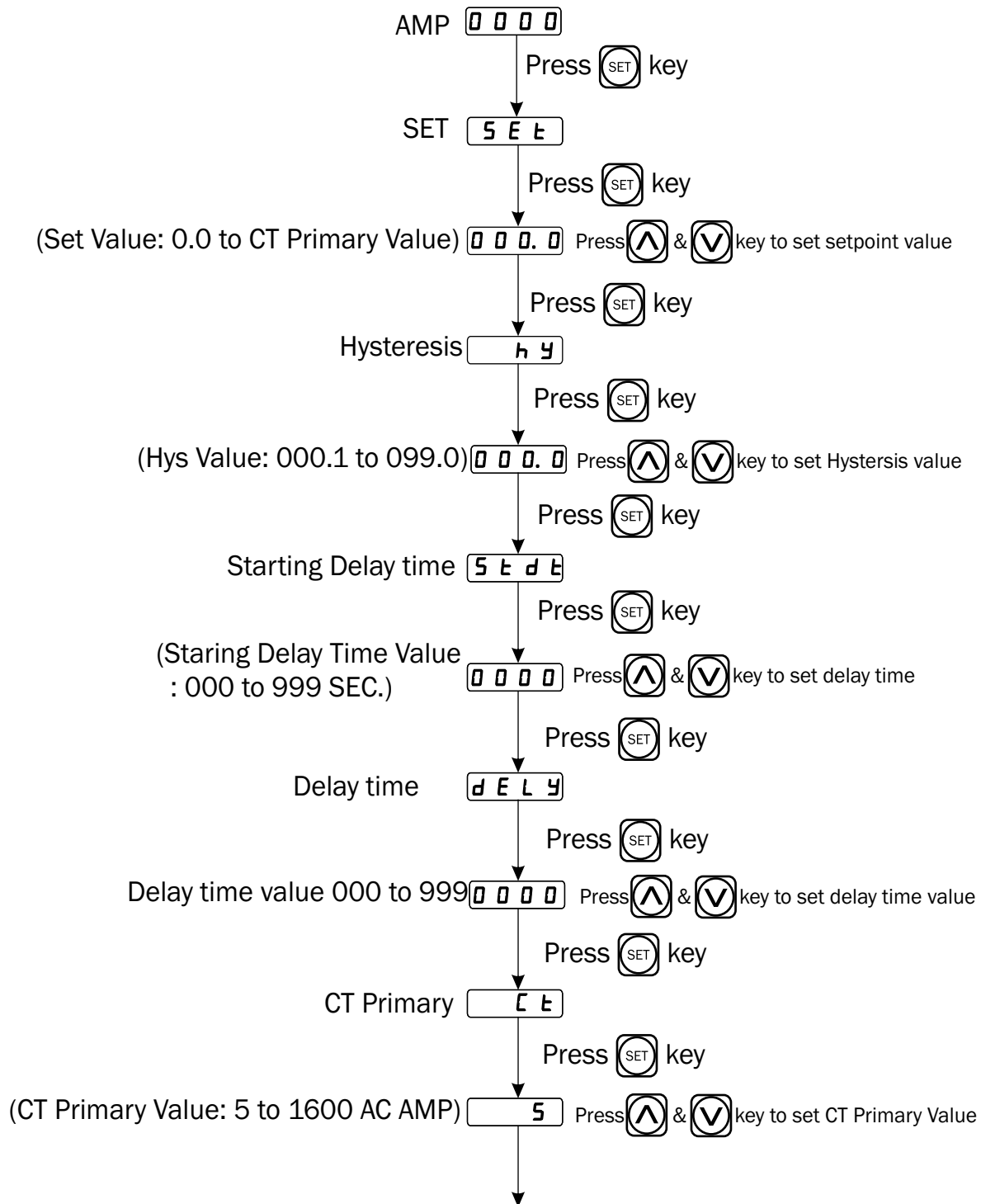
**Connection Diagram**

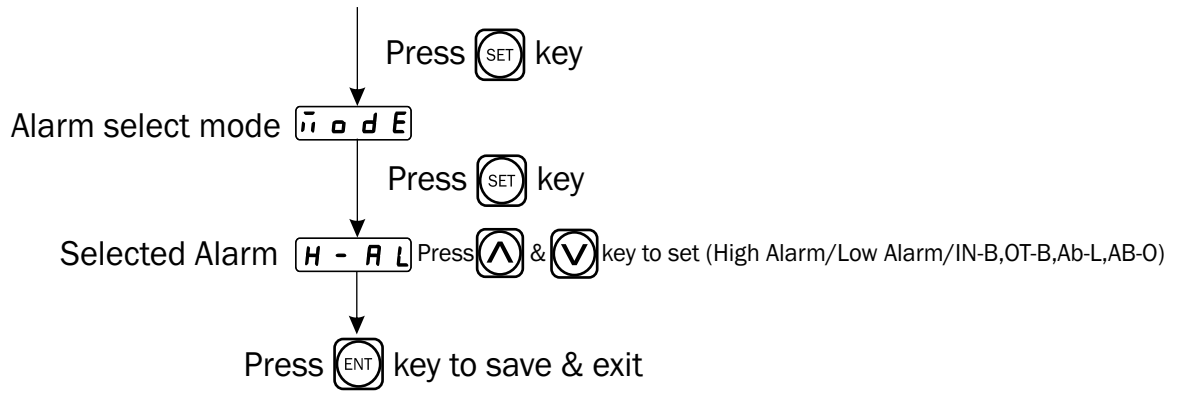


## Key Operation

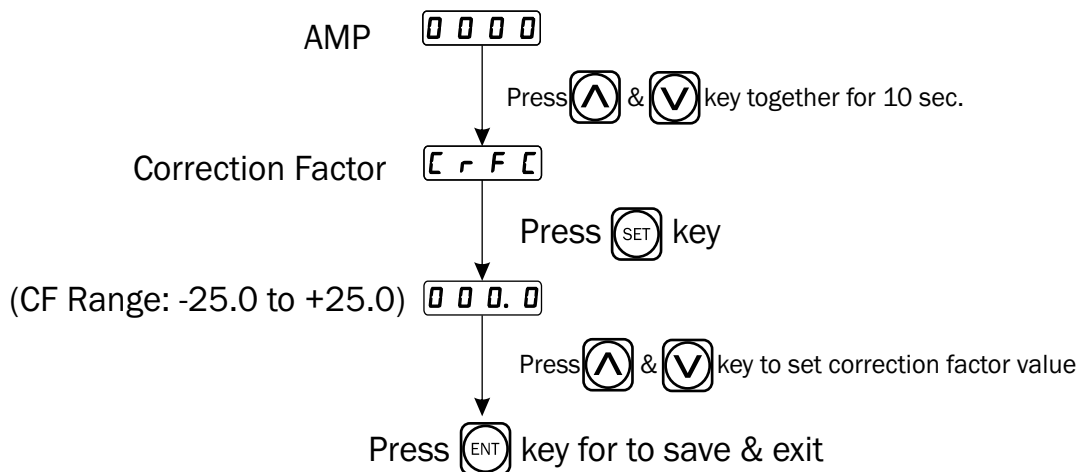
- 1) Press **SET** key to enter in menu.
- 2) Press **▲** & **▼** Key to change value or to select option.
- 3) Press **ENT** Key to save changes in setting.

## Basic Configuration





## CORRECTION FACTOR



## Safety Precautions

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.

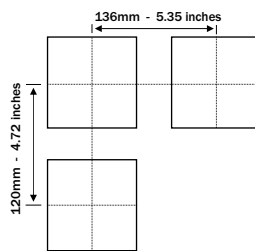
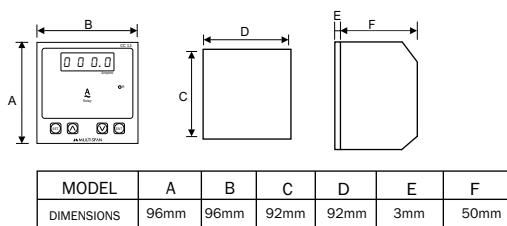
## Warning Guidelines

- 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  $1\text{mm}^2$  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) This equipment, being built-in-type, normally becomes a part of main control panel and in such case the terminals do not remain accessible to the end user after installation and internal wiring.
- 2) 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.
- 3) 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.
- 4) Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

## Mechanical Installation



- 1) Prepare the panel cutout with proper dimensions as show 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, oils steam, or other unwanted process by products.
- 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.

Product improvement and upgrade is a constant procedure. So for more updated operating information and Support, Please contact our Helpline: +91-9978991474/76/82 or Email at [marketing@multispanindia.com](mailto:marketing@multispanindia.com) Ver: 03-2016