



TECHNICAL SPECIFICATION

INPUT SPECIFICATION:

| | |
|----------------------|----------------------|
| Primary CT value | 5 to 1600 Selectable |
| Secondary current AC | 0.5 to 5 Amp AC |
| Resolution | 0.1A, 1A |

DISPLAY AND KEYS:

| | |
|---------|--|
| Display | Upper: 4 digit, 7 segment, 0.70" White Lower: 4 digit, 7 segment, 0.50" Green |
| Keys | SET, INC, DEC, ENTER/RESET |

DIMENSION:

| | |
|--------------|-----------------------------|
| Size | 96 (H) x 96 (W) x 43 (D) mm |
| Panel Cutout | 92 (H) x 92 (W) mm |

OUTPUT SPECIFICATION:

| Relay Output | |
|--------------|-----------------------|
| Relay | 1 Nos |
| Relay Type | 1C/O (NO-C-NC) |
| Rating | 10A, 230V AC / 28V DC |

POWER SUPPLY:

| | |
|-------------------------------|-------------------------|
| Supply Voltage | 100 to 270V AC, 50-60Hz |
| Power Consumption (VA Rating) | 4VA @ 230V AC MAX |

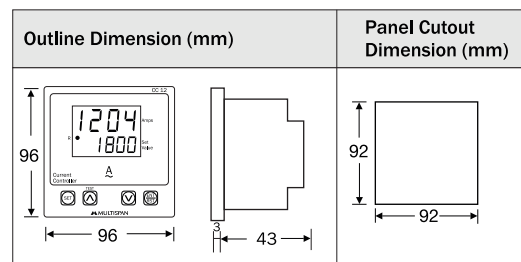
TIME PARAMETER :

| | |
|--------|--|
| Time 1 | It is a minimum relay off delay, where relay 1 is on for minimum time when Amp. reach to the set 1 |
| Time 2 | It is a trip delay, if Amp. value is greater than set 2 for the amount of trip time than relay 2 is on after trip time |

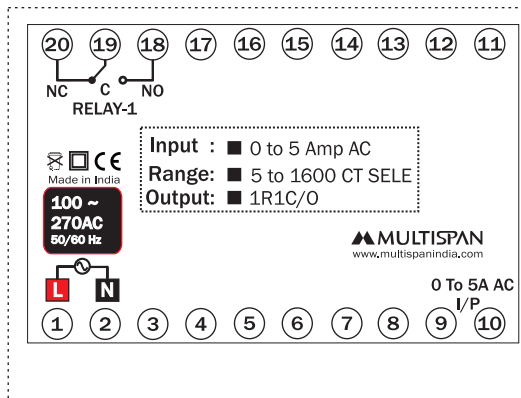
ENVIRONMENT CONDITION:

| | |
|-----------------------------------|---|
| 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 |

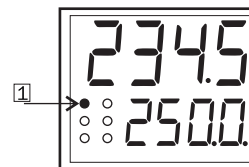
MECHANICAL INSTALLATION



TERMINAL CONNECTION



STATUS LED DESCRIPTION



1 - Relay - 1 output indication

Blinking : Time 1(Minimum relay on time) is calculated

KEY OPERATION

| FUNCTION | PRESS KEY |
|----------------------------------|------------|
| OPERATOR MODE | |
| To enter in parameter setting | Long press |
| To reset the operation | Long press |
| PARAMETER SETTING MODE | |
| To set parameter value | |
| To increment parameter value. | |
| To decrement parameter value. | |
| Set parameter to be save & exit. | |

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.

- 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.
- To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
- 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.
- When extending the thermocouple lead wires, always use thermocouple compensation wires for wiring for the RTD type, use a wiring material with a small lead resistance (5 Ω max per line) and no resistance differentials among three wires should be present.
- A better anti-noise effect can be expected by using standard power supply cable for the instrument.

INSTALLATION GUIDELINES

- 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.
- 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.
- 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.
- Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

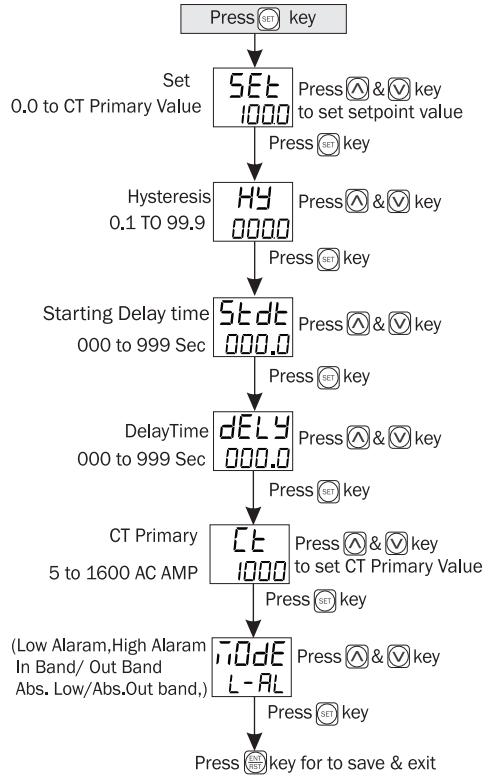
MECHANICAL INSTALLATION GUIDELINES

- Prepare the panel cutout with proper dimensions as shown above.
- Fit the unit into the panel with the help of clamp given.
- 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.
- 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.
- Do not connect anything to unused terminals.

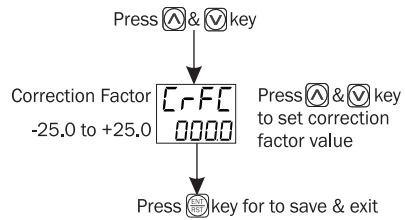
MAINTENANCE

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

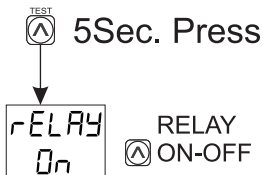
PARAMETER SETTING



CORRECTION FACTOR

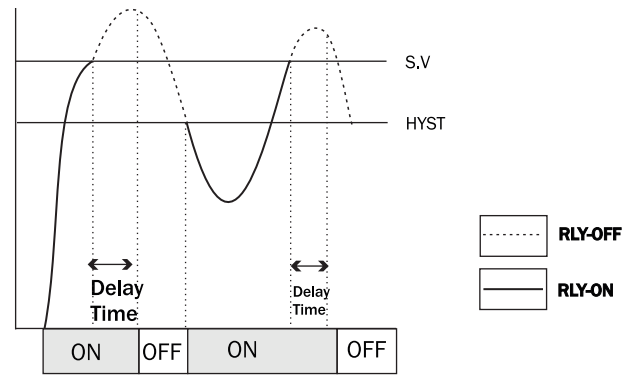


RELAY CHECK

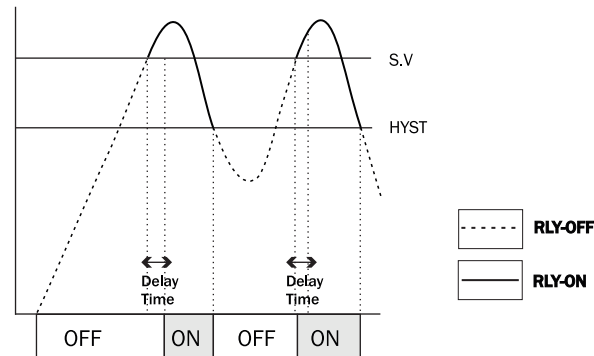


CONTROL FUNCTION

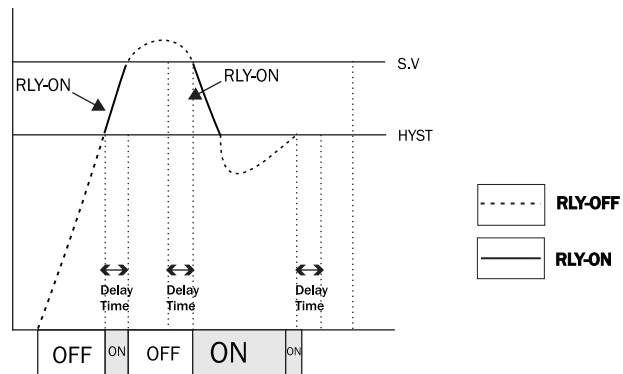
LOW ALARM:



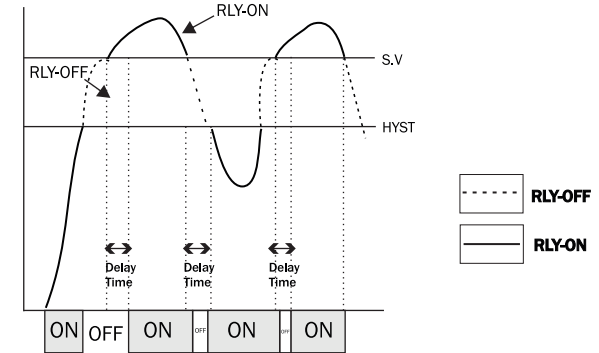
HIGH ALARM:



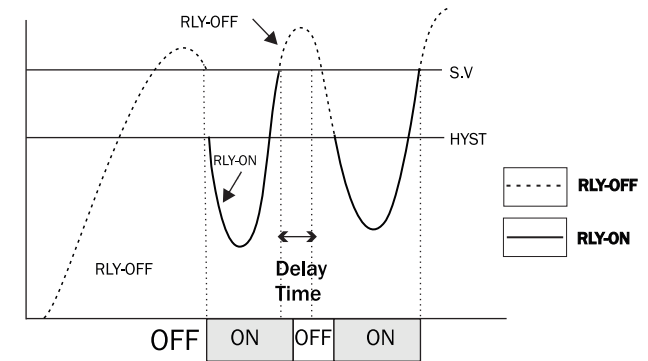
INBAND ALARM



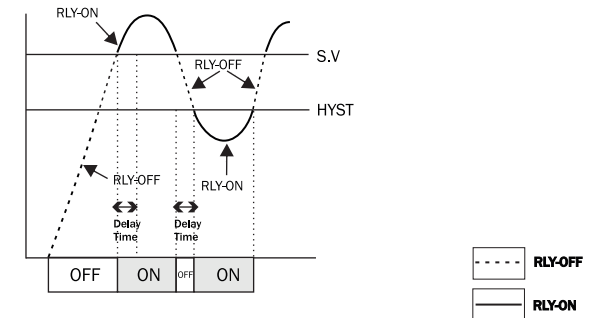
OUTBAND ALARM



ABSOLUTE LOW ALARM



ABSOLUTE OUTBAND ALARM



Specifications are subject to change, since development is a continuous process.
 So for more updated operating information and Support,
 Please contact our Helpline: 9978991474/76/82 or
 Email at service@multispanindia.com

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