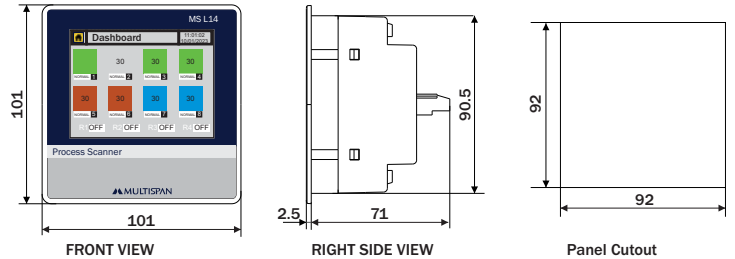




ENVIRONMENT CONDITION:

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



TECHNICAL SPECIFICATION

INPUT SPECIFICATION:

| Inputs | Input                                    | Range             |
|--------|--|-------------------|
|        | J  | 0 to 600 °C       |
|        | K  | 0 to 1200 °C      |
|        | PT-100                                   | -99 to 400 °C     |
|        | PT.1                                     | -99.9 to 400.0 °C |
|        | 0 - 10V DC<br>0 - 20mA DC<br>4 - 20mA DC | -999 To 9999      |

DISPLAY :

|         |   |
|---------|---|
| Display | 320 x 240 px Resistive Touch screen Display |
|---------|---|

DIMENSION:

|              |                               |
|--------------|-------------------------------|
| Size         | 101 (H) x 101 (W) x 71 (D) mm |
| Panel Cutout | 92 (H) x 92 (W) mm            |

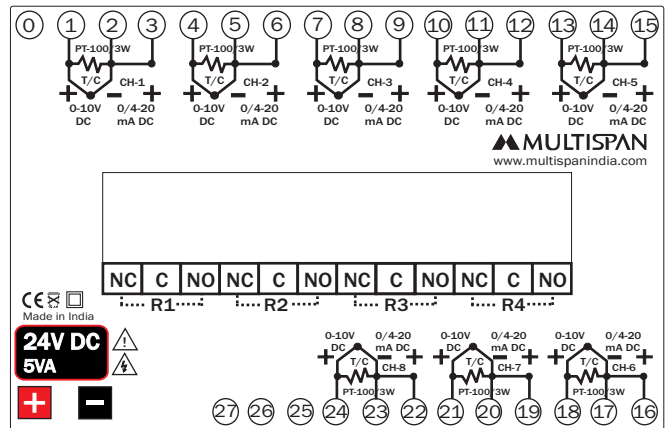
OUTPUT SPECIFICATION:

| Relay Output |                       |
|--------------|-----------------------|
| Relay        | 4 nos.                |
| Relay Type   | 1 C/O , (NO-C-NC)     |
| Rating       | 5A, 230V AC / 28 V DC |

AUXILIARY SUPPLY:

|                                |                  |
|--------------------------------|------------------|
| Supply voltage                 | 24V DC , 50/60Hz |
| Power Consumption ( VA Rating) | Approx 5VA       |

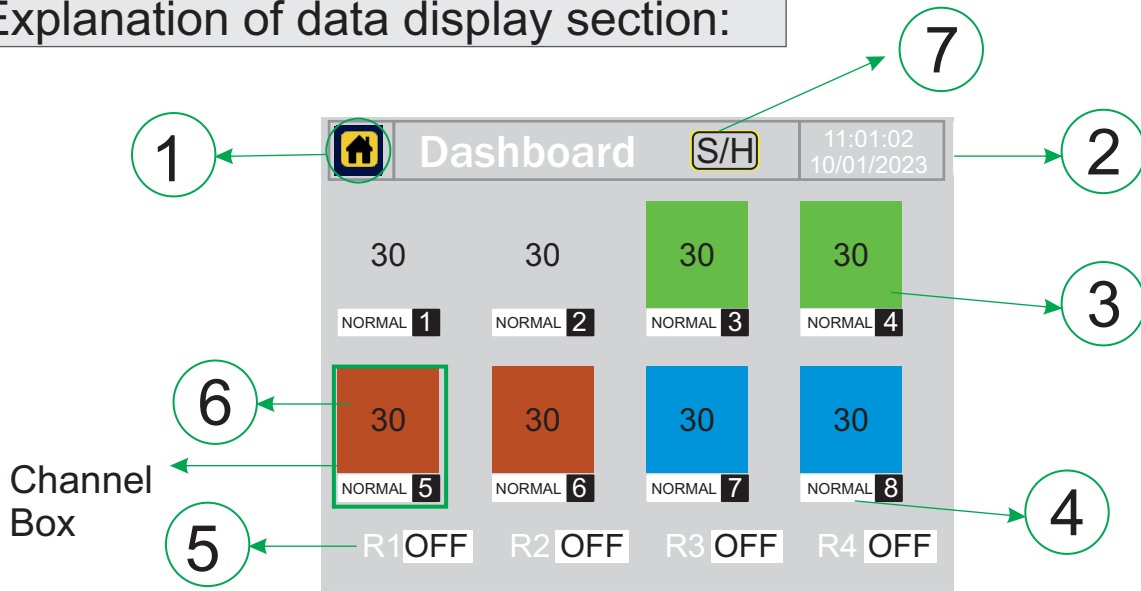
TERMINAL CONNECTION



Procedure

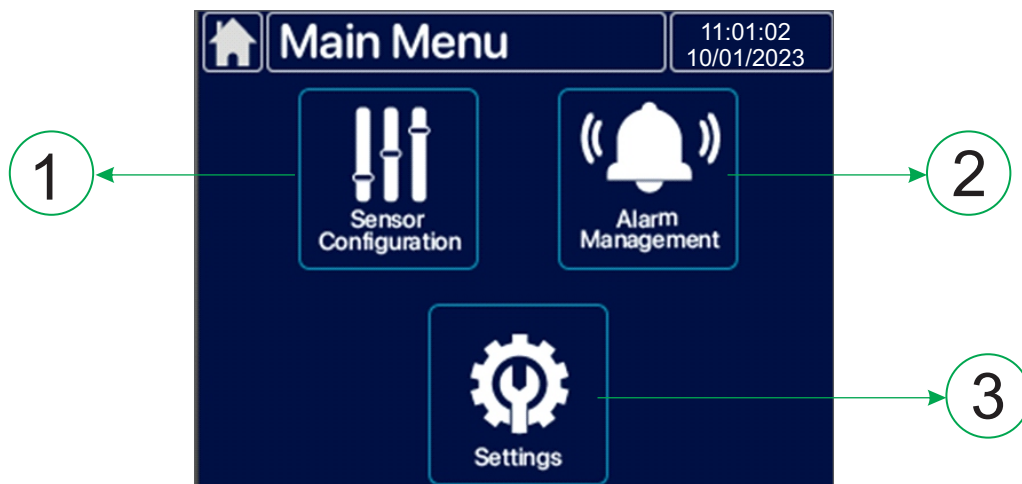
- ★ Do all connections as per the wiring diagram.
- To Configure:
  - 1. Input Selection (J, K, PT-100, PT.1, 0 - 10V DC, 0 - 20mA DC & 4 - 20mA DC).
  - 2. Relay mode
    - If 1 Relay per group LOW HIGH HIGH / LOW
    - If 2 Relay per group LOW / HIGH HIGH/TRIP
  - 3. Set point selection.
  - 4. Analog range selection .
  - 5. Offset and Correction factor selection.
- Off set range will be ±25 °C for J, K, PT-100 temp. input.
- Off set range will be ±25.0 °C for PT.1 temperature input.
- Offset range will be -999 to 1000 for analog input.
- Correction factor range will be -999 to 1000 **only for analog input.**

# Explanation of data display section:



| NO. | Function/Icon                           | Description  |
|-----|---|--|
| 1   | (Home)                                  | Tap to open Menupage   |
| 2   | Time                                    | It will show date & time.  |
| 3   | Status display                          | <b>SKIP</b> : Channel is not selected (Skip) in sensor configuration page<br><b>OPEN</b> : Sensor not connected or break (J,K,PT,PT.1)<br><b>SRE</b> : Sensor reverse (J,K)<br><b>OVER</b> : In Analog sensor type voltage or Current exceed from it's range<br><b>LOW</b> : When Current less-than 3.5mA (Sensor type 4-20mA) |
| 4   | Alarm Indication                        | Normal, Low, High, Trip  |
| 5   | Color of channel & Relay                | Same as color of group in which channel or relay selected  |
| 6   | Double Touch                            | On channel box to see full information of the channel  |
| 7   | To View full screen Channel Information | <p>1) Click on scroll button to Scroll the channel as per scan time entered in channel scan time page<br/>                     2) Click on Hold button for manual scrolling</p>  |

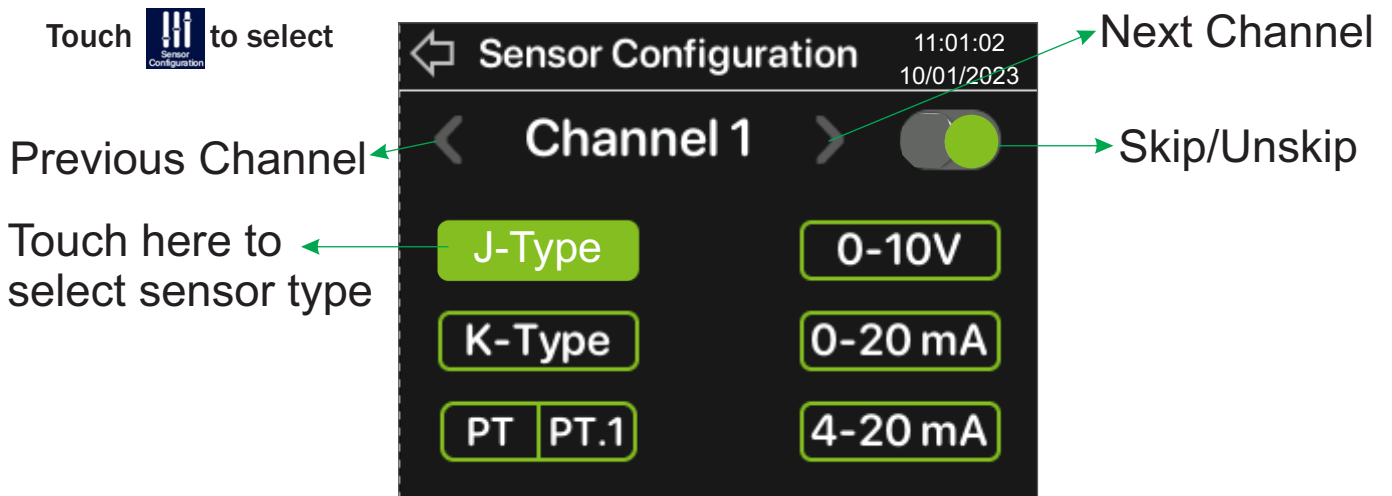
## Explanation of Menu page:



1) Sensor Configuration 2) Alarm Management or 3) Settings

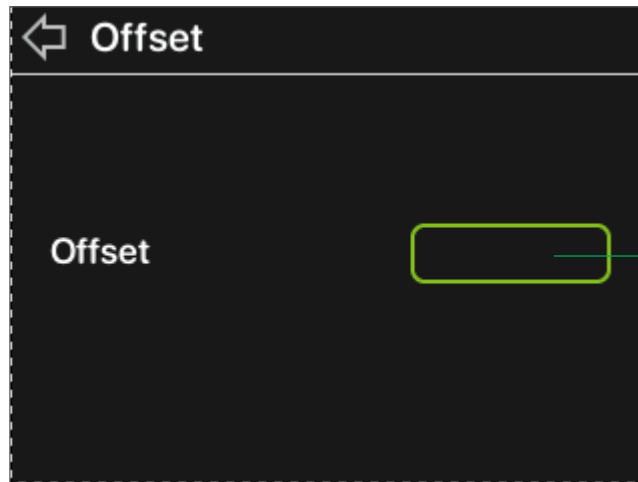
### 1) Sensor Configuration

Touch  to select

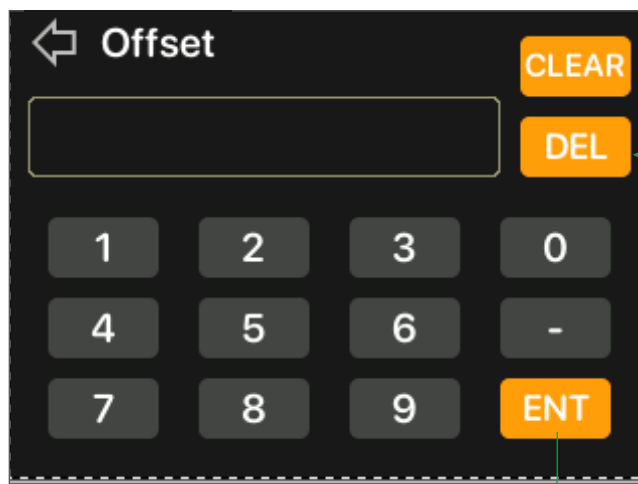


- Touch on the selected sensor to set the offset

For J/ K/ PT/ PT.1

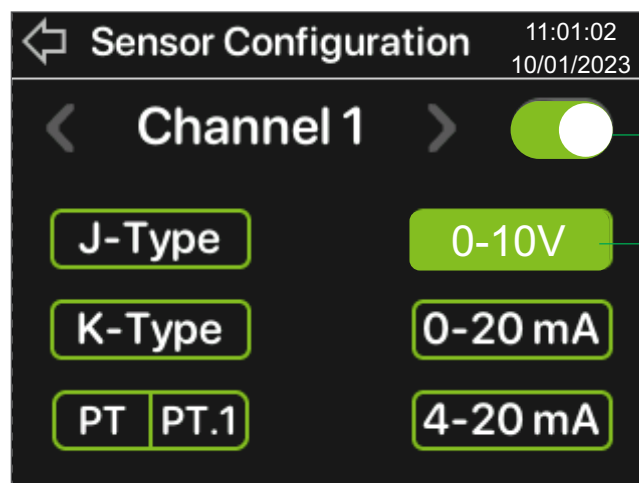


Touch Here to set value



(Keypad)

Press **ENT** to save & exit



Skip/Unskip

Touch here to select analog sensor type

- Touch on the selected sensor to set analog range

For Analog Range Selection  
( 0-10, 0-20 & 4-20 )

← Range Setting 11:01:02  
10/01/2023

Low Range

High Range

Correction Factor

Offset

DP

Note : To enter the value touch on the Icon box and add the value in keypad and press **ENT** button to save the value

## 2) Alarm Management

Touch  to select

← Alarm Management 11:01:02  
10/01/2023

**Group Configuration**

**Group Setting**

← Group Configuration 11:01:02  
10/01/2023

< Group 1 >

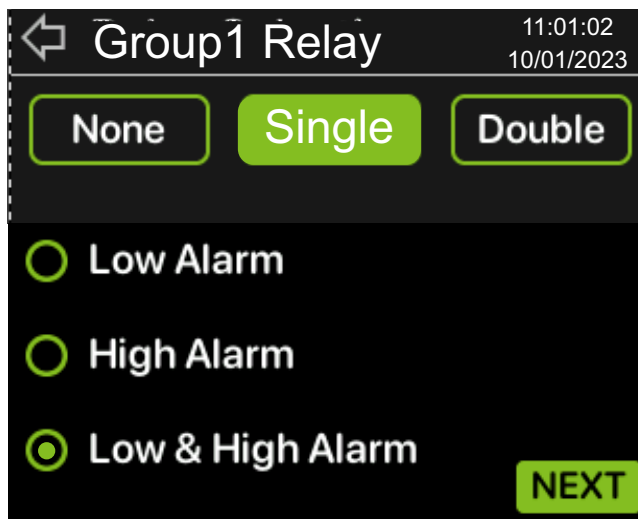
|   |                                    |
|---|------------------------------------|
| <input checked="" type="checkbox"/> Channel 1 | <input type="checkbox"/> Channel 5 |
| <input checked="" type="checkbox"/> Channel 2 | <input type="checkbox"/> Channel 6 |
| <input type="checkbox"/> Channel 3            | <input type="checkbox"/> Channel 7 |
| <input type="checkbox"/> Channel 4            | <input type="checkbox"/> Channel 8 |

1

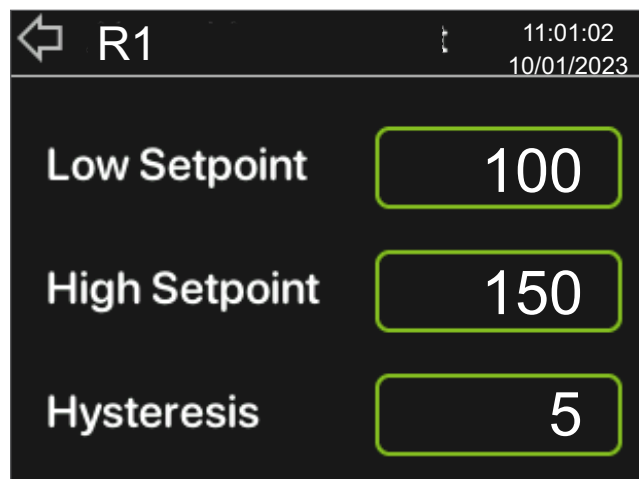
- 1) Select the channel in group (Total Group 4)
- 2) For Group 1 to Group 4 channel which is selected in one group will be disable in other groups.

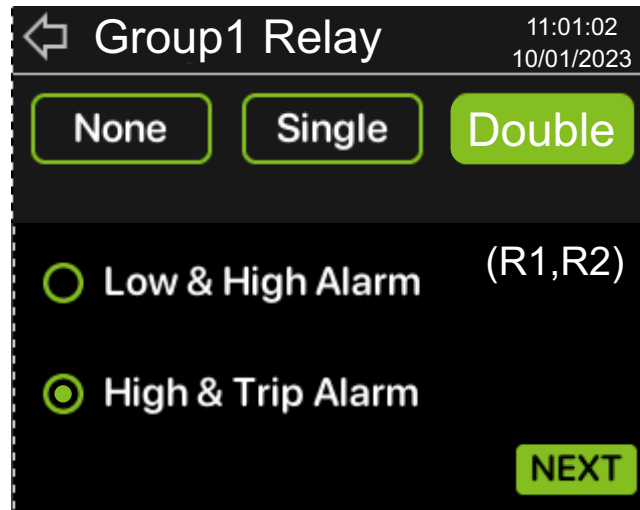


- Group will remain disable if no channel is selected in that group.

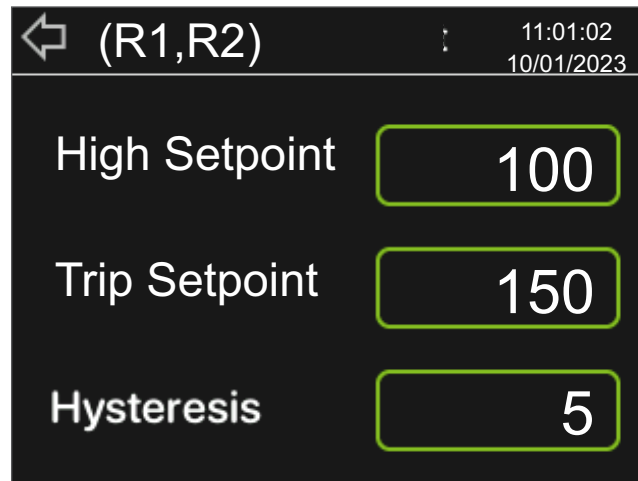


Press **NEXT** to set setpoint & Hysteresis





Press **NEXT** to set setpoint & Hysteresis

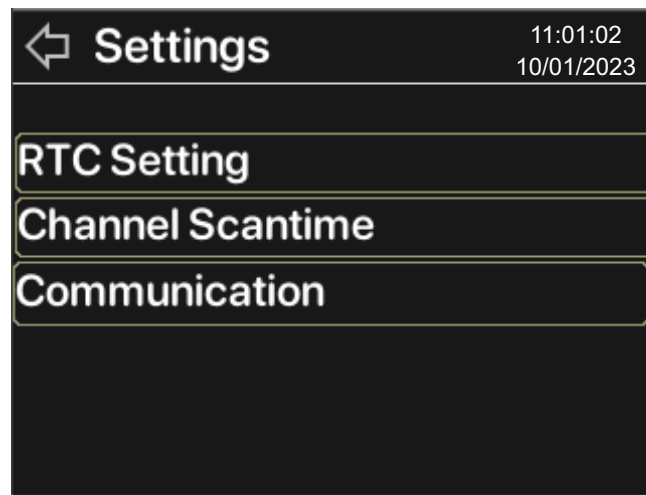


Note 1 : To enter the value touch on the Icon box and add the value in keypad and press **ENT** button to save the value

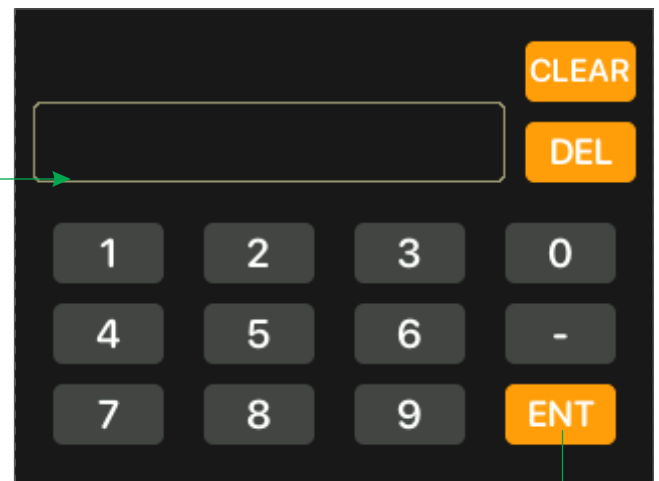
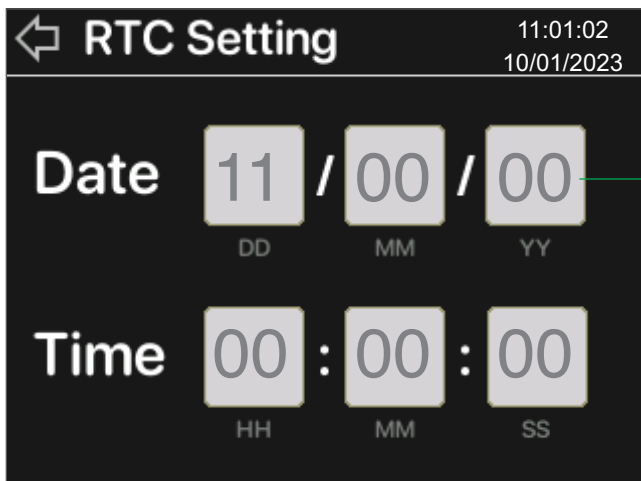
Note 2 : High Setpoint > Low Setpoint  
Trip Setpoint > High Setpoint

### 3) Settings

Touch  to select

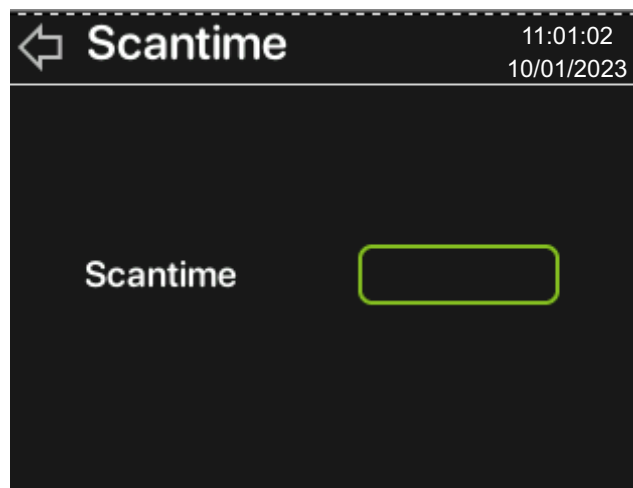


#### 1) For RTC Setting



#### 2) Channel Scan time

Press **ENT** to save & exit



(Scan time Limit : 1 to 100 second)