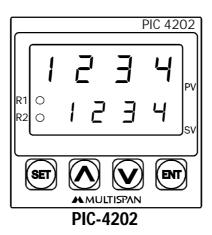
#### OPERATING MANUAL PROCESS CONTROLLER PIC-4202



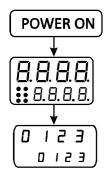


### **Technical Specification**

Model	PIC-4202
Display	UPPER:- 4 Digit 7 seg .39",red LED Display LOWER:- 4 Digit 7 seg .28",green LED Display
Size	48 X 48 X 95
Panel Cutout	44 X 44
Input	0 To 10V DC,4 To 20mA DC,0 To 20mA DC
Range	-999 To 9999 Selectable
Output	2 Relay 1C/O
Transmitter Supply	24V DC
Power Supply	100 to 250V AC (SMPS)

### **Key Operations**

- 1) Press (Fig. Key to enter in parameter menu.
- 2) Press F Key to go to next parameter.
- 3) Use Or key to change value of parameter.
- 4) Press ( Key to save change in setting



All digit segment will be turned ON for 3  $\ensuremath{\mathsf{sec}}$ 

Process Value Set Value

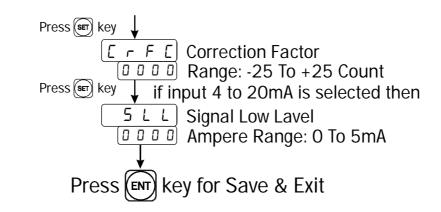
# USER CONFIGURATION

Power ON 0000 Process Value 

 Image: Contract of the set of the s Press 🖭 key 🖌 5 E E I Set Point 1 (0000) Press (SET) key 5 E Ł Z Set Point 2 0000 Press (SET) key PR55 Press (SET) key for 3 sec to DIZE enter Password parameter Press 🖭 key 👃 Публини и П [] [] [] [] Range: 0 To 1000 Press (set) key П у 5 2 Hystersis-2 For set point-2 000 Range: 0 To 1000 Press (SET) key Г. О. в. I Mode-1  $H_{L-B}$  High Alarm, Low Alarm, Inband, Outband, Absoult Low, Absoult outband Alarm For 1<sup>st</sup> relay Press (s=r) key лдд Z Mode-2  $\overline{H-R}$  I High Alarm,Low Alarm,Inband,Outband, Absoult Low, Absoult outband Alarm For 2<sup>na</sup> relay Press (ser) key  $\neg P \vdash$  Input Selection 1 닉 - 곧 🛛 0-10V DC/4-20mA DC/0-20 mA DC Press (SET) key d P Decimal Point [ 0 0 0. 0] Range: 00.00/0.000/0000 Press (SET) key ר ח פ Low Range L 0000 Range: -999 TO 9999 Press (set) key H ר ה פ High Range 0 0 0 0 Range: -999 TO 9999 Press (SET) key FLE - Filter Time 

 Image:
 1
 To
 10
 Second

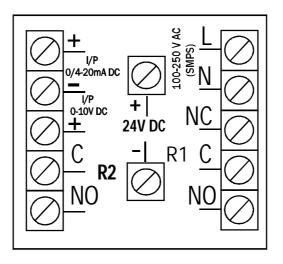
Press (SET) key 0 F 5 E Off-Set <sup>0000</sup> Range : -100 To +100 Count



## Working

- 1). Do all connection as shown in connection diagram and turn on the instrument.
- 2). Display will indicates process value according to 4-20mA input available and according to decimal point.
- 3). The Range Corresponding to 4-20mA is selectable from keypad.
- 4). If high range is to select 9999 then at 20mA input the display will show 9999 & if low range is to select 0000 then at 4mA input the display will show 0000.
- 5). In Low Alarm (For Mode-1), Initially relay-1 will be on condition. When Process value equals (Set-1 + Hys-1) relay-1 will turn off. When process value equal set point-1 then again relay-1 will be on.
- 6). In High Alarm (For Mode-1), Initially relay-1 will be off condition. When Process value equals set point-1 relay-1 will turn on. When process value equal set 1- Hys 1 then again relay-1 will be off.
- 7). In Band Alarm (For Mode-1), Relay-1 will be on between Set point-1 & Set point-2 condition.
- 8). Out Band Alarm (For Mode-1), Relay-1 will be off between Set point-1 & Set point-2 condition.
- Absolute Low Alarm (For Mode-1), Initially Relay-1 will be off. When first time process value equals (Set-1 + Hys-1) then relay-1 will be on. Again process value below Set point-1 relay remains on.
- 10). Absolute Out Band Alarm, Initially relay will be off. When first time process value is in between Set point-1 & Set point-2 relay will be on. Now, Process value is below Set point-2 & Above Set point-1 relay remains off.
- 11). If the input is not connected Display will show OPEN.
- 12). When Input Exceeds the full scale Range (Approx above 20mA) then Display will show DuEr (OVER).
- 13). When input is lower than 4mA (Signal Low Level Range: 0 To 5mA) then Display will show LO'. (LOW).

## **Connection Diagram**



Product improvement and upgrade is a constant procedure. So for more updated operating information and support, please contact our Helpline : +91-9978991474/75 or Email at marketing@multispanindia.com