

# USER MANUAL

## PID or ON/OFF Temperature Controller

(Double & Single Display)

MODEL NO: (PID-906, PID-702, PID-408)

1. Display : LED and Push key

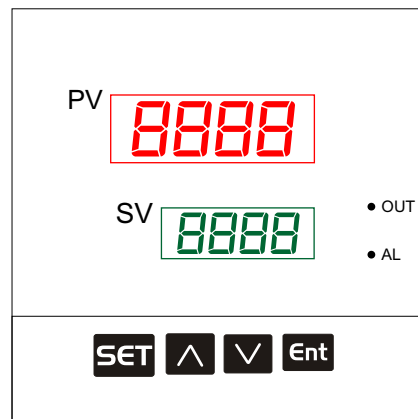
- PV Display : To Display the process Value or parameter type
- SV Display : To Display set point, Parameter operation read value manipulated Variable or set value of the parameter

- Out : Indicator will on when the Output is on
- Alm : Indicator will on when the Alarm is on

**SET** SET KEY : You can go in set mode  
**^** UP KEY : Press this key to Increase Value displayed on the SV display, Hold down this Key to speed up the Incremental action

**▼** DOWN KEY : Press this key to Decrease values displayed on the SV Display Hold down this key to speed up the decrements.

**Ent** ENTER KEY : Press this key to store all set value in memory.  
 When Alarm is on Press down key to disable Alarm



## 2. SETTING

- You can change all value by up key/Down Key  
 Press Enter Key to exit & save from any step else go to next step  
 Alarm output is optional so Consider this step of setting accordingly.

### A. SETTING OF SET TEMPERATURE

LED Display	Explanation	Default
<i>SEt</i>	Press set key to Set Temperature	Last value
<i>ALrñ</i>	Press set key to Set Alarm	- 25 to 25 C

- Press Enter key to save & Exit.

### B. Setting of Tune & calibration error (For P I D control )

Press set key for 5 second

LED Display	Explanation	Default
<i>CT</i>	CT For Relay	<i>01</i>
<i>tUnE</i>	Select tune Function else go to next step.	<i>n0</i>
<i>tUnE</i>	If you want to do auto tune then press up key Yes & press enter key	<i>YES</i>
<i>C.Err</i>	Press set key to Set calibration error if you want to do error correction in Process temperature than go to next step else to step (B) by pressing set key.	<i>n0</i>
<i>C.Err</i>	Press UP key to select yes for calibration	<i>YES</i>
<i>C.Err</i>	Press Set key	<i>0000</i>
	Press Enter key to save exit	

### C. Setting of Hy, Delay & calibration error (for on/off control)

- Press key for for 5 second

LED Display	Explanation	Default
<i>HY</i>	Hysteresis For Relay	<i>02</i>
<i>dEL AL</i>	Delay For Cooling Control	<i>05</i>
<i>C.Err</i>	Press set key to Set calibration error if you want to do error correction in Process temperature than go to next step else to step (B) by pressing set key.	<i>n0</i>
<i>C.Err</i>	Press UP key to select yes for calibration	<i>YES</i>
<i>C.Err</i>	Press Set key	<i>0000</i>
	Press Enter key to save exit	

## Features :-

- Microcontroller based, Single or Double display
- Supply 220 V Ac
- Input J,K or RTD selection
- Output : 1. Relay Contact or SSR, 2. Alarm contact or Buzzer
- PID or On/Off Control selection
- Heating or Cooling Application selection
- Range : J type 0-750c
- K type 0-1200c,
- RTD.1 type -50.0 to 400.0
- RTD.type 0 t0 400
- Temperature As per range adjustable in set mode-
- Alarm 0-0 to 25.0 or 0 to 250 as per range adjustable
- Ct 1 to 60 for ssr output & 10 t0 120 second for Relay output adjustable
- Auto tuning require for pb, It & dt value
- Hysteresis 0.2 or 2 to 25.0c or 25c adjustable as per range selection for RTD
- Hysteresis 2 to 250c adjustable as per range selection for J & K Type
- Delay 0 to 250 second adjustable for cooling control
- OPEn display if Sensor break & -rEV display if connections reverse .
- Relay trip if sensor breaks, connection open or connection reverse.

Calibration Error correction by front key switch (No preset setting)

### D. Selection control & Sensor type Short Configlink (Back side terminal)

Press up key + Enter key 5 second

LED Display	Explanation	Default
<i>SEn</i>	Press set key to set to select sensor (Temperature sensor type & range for See detail)	<i>J-t-C</i>
<i>r.nin</i>	Press set key to set minimum setting lock temperature	<i>0000</i>
<i>r.nR</i>	Press set key to set minimum setting lock temperature	<i>0400</i>
<i>Cntr</i>	Press set key to select control function (PID or on/off control selection)	<i>Pid</i>
<i>TYPE</i>	Press set key to select type of output (Heating or cooling Application for on/off selection) Press Enter key to save & exit Or	<i>SSr.</i>
<i>Pb</i>	Press set key for 5 second at TYPE-SSR selection for Pb value	<i>4.0</i>
<i>It</i>	Press set key	<i>180</i>
<i>dt</i>	Press set key	<i>30</i>
	Press set key to save & exit	

### Note :

Open Contiglink (Back side Terminal)

Check all Setting

### Connection Diagram

