

CONFIGURATION PARAMETERS : PAGE 12	
Parameters	Settings (Default Value)
Control Logic Ctrl	rEu Reverse dir Direct (Default : Reverse)
Input Type inpT	Refer Table 1 (Default : Type K)
PV Units Unit	0C °C 0F °F (Default : °C)
PV Resolution rSLn	Refer Table1 (Default : 1)
PV Range Low rLo	Refer Table1 (Default : 0)
PV Range High rHi	Refer Table1 (Default : 1000)
Setpoint Low Limit SPLo	Min. Range for the selected Input Type to Setpoint High Limit (Default : -200)
Setpoint High Limit SPHi	Setpoint Low Limit to Max. Range for the selected Input Type (Default : 1300)
Offset for PV OFSE	-1999 to 9999 (Default : 0)
Digital Filter for PV FILT	0.5 to 25.0 Seconds (in steps of 0.5 Seconds) (Default : 1.0 Sec.)
Sensor Break (Open) Strategy SbrP	Stn Stationary CLoS Close OPEn Open (Default : Close)

CONTROL PARAMETERS : PAGE 10	
Parameters	Settings (Default Value)
Proportional Band Pb	1 to 999 Units (Default : 50 units)
Integral Time It	0 to 1000 Seconds (Default : 100 Sec.)
Derivative Time dt	0 to 250 Seconds (Default : 25 Sec.)
Motor Run Time (Travel Time) rUnT	Minimum ON Time to 240.0 (Default : 30.0)
Valve Inertia Time InrT	0.0 to 20.0 (Default : 0.0)
Valve Backlash Time bAcT	0.0 to 20.0 (Default : 0.0)
Minimum ON Time rOnT	0.3 to Motor Run Time (Default : 1.0)

SUPERVISORY PARAMETERS : PAGE 13	
Parameters	Settings (Default Value)
Self-Tune Command tUnE	no No yES Yes (Default : No)
Overshoot Inhibit oS.h	dSbL Disable EnbL Enable (Default : Disable)
Overshoot Inhibit Factor O.hF	1.0 to 2.0 (Default : 1.0)
Set-up Made (SP Adjustment on Lower Readout) SP.Lr	EnbL Enable dSbL Disable (Default : Enable)
SP Adjustment on Operator Page SP.OP	EnbL Enable dSbL Disable (Default : Enable)
Manual Mode HrNd	dSbL Disable EnbL Enable (Default : Disable)
Alarm SP Adjustment on Operator Page AL.SP	dSbL Disable EnbL Enable (Default : Disable)
Standby Mode Stby	dSbL Disable EnbL Enable (Default : Disable)
Profile Abort Command on Operator Page Abrt	dSbL Disable EnbL Enable (Default : Disable)
Auxiliary Setpoint or Serial Comm. Option Selection OPtn	nonE None SrLc Serial Comm AU.SP Auxiliary Setpoint (Default : None)
Baud Rate bAud	1200, 2400, 4800, 9600 (Default : 9600)
Controller ID Number id	1 to 127 (Default : 1)
Communication Write Enable ConE	no No yES Yes (Default : No)

OP3 FUNCTION PARAMETERS : PAGE 15	
Parameters	Settings (Default Value)
Output-3 Function Selection OP3.F	ALrA Alarm rEC Recorder Output (Default : Alarm)
Recorder Output Transmission trnS	PV Process Value SP Setpoint (Default : Process Value)
Recorder Output Type rECO	0-20 0 to 20mA 4-20 4 to 20mA 0-5 0 to 5 Volts 0-10 0 to 10 Volts (Default : 4 to 20mA)

Parameters	Settings (Default Value)
Recorder Low rECL	Min. to Max. Range Specified for the Selected Input Type (Default : -200)
Recorder High rECH	Min. to Max. Range Specified for the Selected Input Type (Default : 1300)

ALARM PARAMETERS : PAGE 11	
Parameters	Settings (Default Value)
Alarm Type AL	nonE None P.Lo Process Low P.Hi Process High dE Deviation Band bAnd Window Band EOP End of Profile (Default : None)
Alarm Setpoint AL.SP	Min. to Max. Range Specified for the Selected Input Type (Default : For Process Low : -200 & Process High : 1300)
Alarm Deviation AL.dE	-999 to 999 (Default : 3)
Alarm Band AL.bA	3 to 999 (Default : 3)
Alarm Hysteresis AL.HY	1 to 999 (Default : 2)
Alarm Logic AL.LG	dir Direct rEu Reverse (Default : Direct)
Alarm Inhibit AL.h	yES Yes no No (Default : Yes)

PROFILE PARAMETERS : PAGE 14	
Parameters	Settings (Default Value)
Profile mode selection Pr.OP	dSbL Disable EnbL Enable (Default : Disable)
Ramp Hold Band r.bnd	0 to 250 (Default : 0)
Soak Hold Band S.bnd	0 to 250 (Default : 0)
Ramp Rate-1 r.r.t.1	0.00 to 99.99 (Default : 0.00)
Target Setpoint-1 t.SP.1	Min. to Max. Range Specified for the Selected Input Type (Default : -200)
Soak Time-1 SO.t.1	0 to 9999 (Default : 0)
Ramp Rate-2 r.r.t.2	0.00 to 99.99 (Default : 0.00)
Target Setpoint-2 t.SP.2	Min. to Max. Range Specified for the Selected Input Type (Default : -200)
Soak Time-2 SO.t.2	0 to 9999 (Default : 0)
Ramp Rate-3 r.r.t.3	0.00 to 99.99 (Default : 0.00)

Parameters	Settings (Default Value)
Target Setpoint-3 t.SP.3	Min. to Max. Range Specified for the Selected Input Type (Default : -200)
Soak Time-3 SO.t.3	0 to 9999 (Default : 0)
Ramp Rate-4 r.r.t.4	0.00 to 99.99 (Default : 0.00)
Target Setpoint-4 t.SP.4	Min. to Max. Range Specified for the Selected Input Type (Default : -200)
Soak Time-4 SO.t.4	0 to 9999 (Default : 0)
Output Off OP.OF	no No yES Yes (Default : No)

OPERATOR PARAMETERS : PAGE 0	
Parameters	Settings (Default Value)
Stand By Mode Stby	no No yES Yes (Default : No)
Profile Start Command St.r.t	no No yES Yes (Default : No)
Profile Abort Command Ab.r.t	no No yES Yes (Default : No)
Control Setpoint SP	Setpoint Low to Setpoint High (Default : -200)
Auxiliary Setpoint A.SP	Setpoint Low to Setpoint High (Default : -200)
Alarm Setpoint AL.SP	Min. to Max. Range Specified for the Selected Input Type (Default : For Process Low : -200 & Process High : 1300)
Alarm Deviation AL.dE	-999 to 999 (Default : 3)
Alarm Band AL.bA	3 to 999 (Default : 3)

TABLE - 1		
Option	Range (Min. to Max.)	Resolution
tC-u J Type T/C	0 to +760°C / +32 to +1400°F	Fixed 1°C / 1°F
tC-P K Type T/C	-200 to +1300°C / -328 to +2372°F	
tC-t T Type T/C	-200 to +350°C / -328 to +662°F	
tC-r R Type T/C	0 to +1770°C / +32 to +3092°F	
tC-S S Type T/C	0 to +1700°C / +32 to +3092°F	
tC-b B Type T/C	+200 to +1700°C / +392 to +3092°F	User settable 1°C / 1°F or 0.1°C / 0.1°F
tC-n N Type T/C	0 to +1300°C / +32 to +2372°F	
rESu Reserved for customer specific Thermocouple type not listed above.		
rtd RTD Pt100	-199 to +600°C / -328 to +1112°F or -199.9 to 600.0°C / -199.9 to 999.9°F	
0-20 0 to 20mA DC	-1999 to +9999 units	
4-20 4 to 20mA DC		
0050 0 to 50mV DC		
0200 0 to 200mV DC		
125 0 to 1.25V DC		
50 0 to 5.0V DC	User settable 1 / 0.1 / 0.01 / 0.001 units	
100 0 to 10.0V DC		

**FRONT PANEL LAYOUT**

Front Panel

Upper Readout  
Manual Indicator  
Alarm Indicator  
Reverse Indicator  
ENTER Key  
UP Key  
DOWN Key  
PAGE Key  
Forward Indicator  
Profile Indicator  
Lower Readout

**Keys Operation**

Symbol	Key	Function
	PAGE	Press to enter or exit set-up mode.
	DOWN	Press to decrease the parameter value. Pressing once decreases the value by one count; keeping pressed speeds up the change.
	UP	Press to increase the parameter value. Pressing once increases the value by one count; keeping pressed speeds up the change.
	ENTER	Press to store the set parameter value and to scroll to the next parameter on the PAGE.

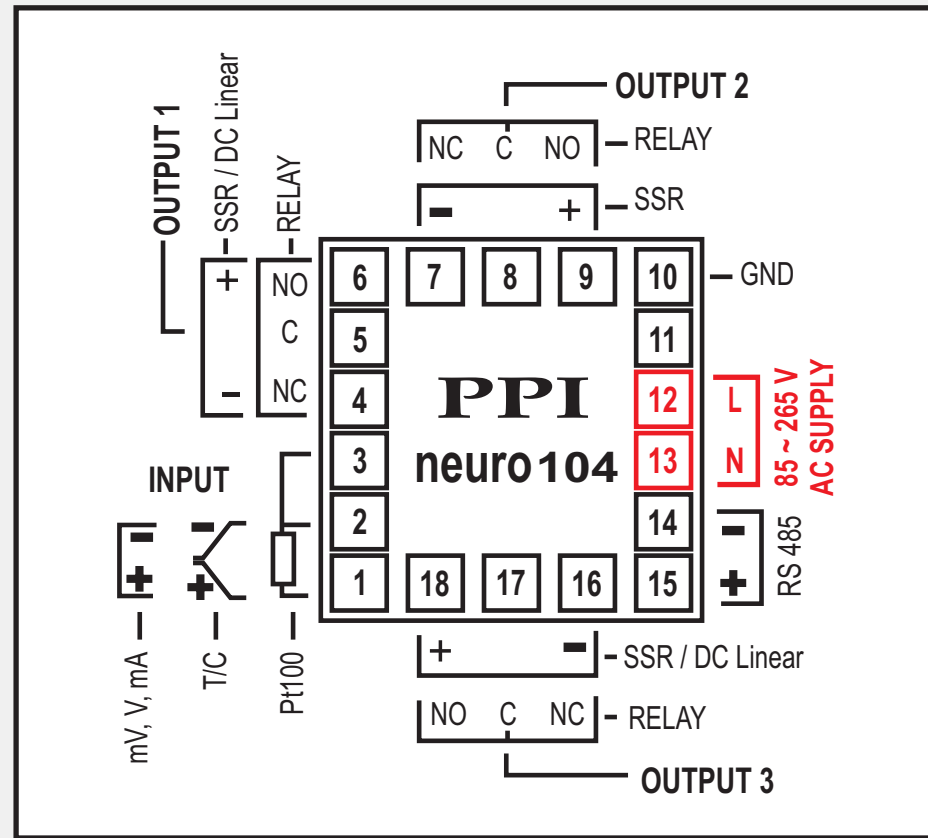
**PV Error Indications**

Message	PV Error Type
Or	Over-range (PV above Max. Range)
Ur	Under-range (PV below Min. Range)
OPEn	Open (Sensor open / broken)

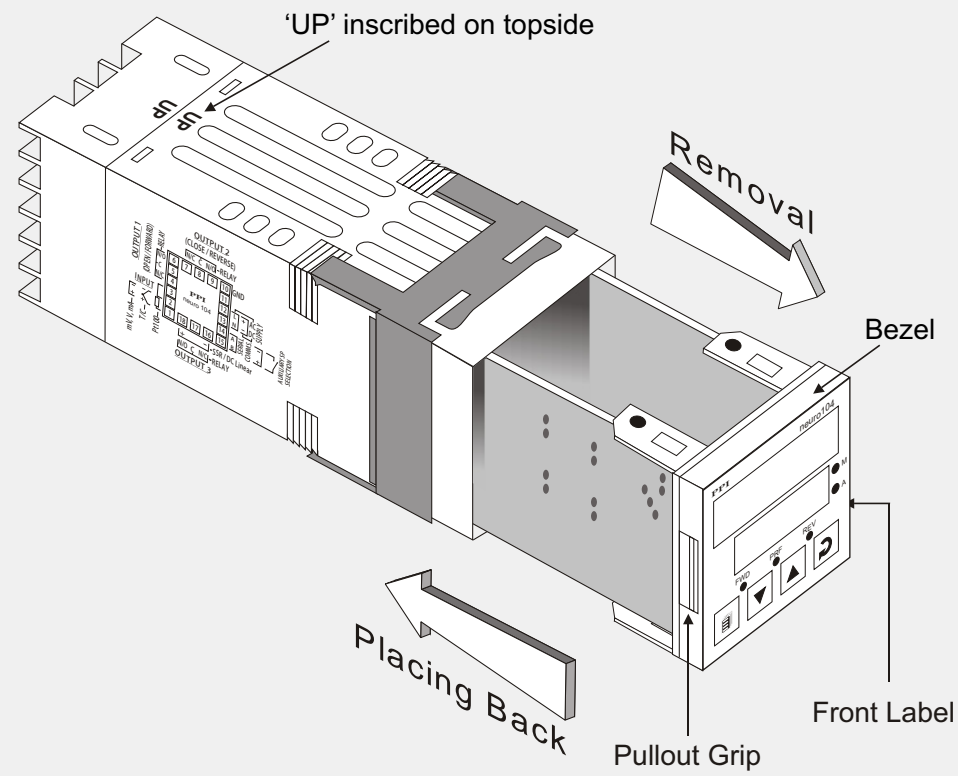
**PPI**

101, Diamond Industrial Estate, Navghar,  
Vasai Road (E), Dist. Palghar - 401 210.  
T: 0250 - 2391722/33/37/42  
M: 07498799226  
09321985369  
E: [sales@ppiindia.net](mailto:sales@ppiindia.net),  
[support@ppiindia.net](mailto:support@ppiindia.net)

## ELECTRICAL CONNECTIONS

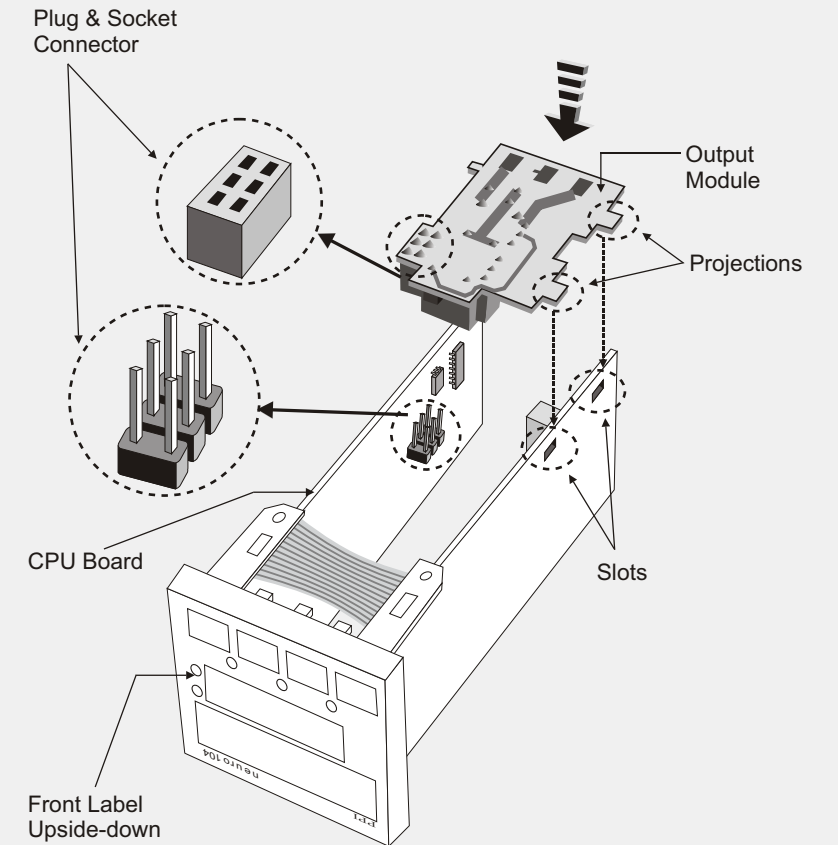


## ENCLOSURE ASSEMBLY



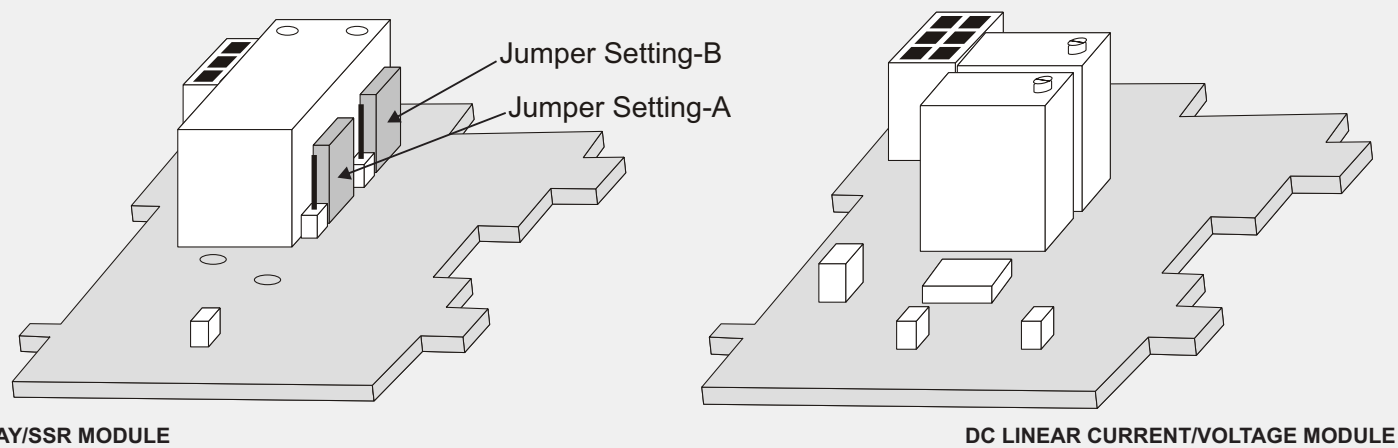
## MOUNTING DETAILS

### OUTPUT-3 MODULE



## JUMPER SETTINGS

### OUTPUT-3



Output Type	Jumper Setting - A	Jumper Setting - B
Relay		
SSR Voltage Pulses		

## MOUNTING DETAILS

### SERIAL COMM. MODULE

