

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

CONTROL PARAMETERS : PAGE 10	
Parameters	Settings (Default Value)
Proportional Band <b>Pb</b>	1 to 999 Units (Default : 50 units)
Integral Time <b>It</b>	0 to 1000 Seconds (Default : 100 Sec.)
Derivative Time <b>dt</b>	0 to 250 Seconds (Default : 25 Sec.)
Motor Run Time (Travel Time) <b>rUnt</b>	Minimum ON Time to 240.0 (Default : 30.0)
Valve Inertia Time <b>lnrt</b>	0.0 to 20.0 (Default : 0.0)
Valve Backlash Time <b>brct</b>	0.0 to 20.0 (Default : 0.0)
Minimum ON Time <b>nOnt</b>	0.3 to Motor Run Time (Default : 1.0)

SUPERVISORY PARAMETERS : PAGE 13	
Parameters	Settings (Default Value)
Self-Tune Command <b>tUnE</b>	<b>no</b> No <b>YES</b> Yes (Default : No)
Overshoot Inhibit <b>osh</b>	<b>dSbL</b> Disable <b>EnbL</b> Enable (Default : Disable)
Overshoot Inhibit Factor <b>OhF</b>	1.0 to 2.0 (Default : 1.0)
Set-up Made (SP Adjustment on Lower Readout) <b>SPLC</b>	<b>EnbL</b> Enable <b>dSbL</b> Disable (Default : Enable)
SP Adjustment on Operator Page <b>SPOP</b>	<b>EnbL</b> Enable <b>dSbL</b> Disable (Default : Enable)
Manual Mode <b>HRnd</b>	<b>dSbL</b> Disable <b>EnbL</b> Enable (Default : Disable)
Alarm SP Adjustment on Operator Page <b>ALSP</b>	<b>dSbL</b> Disable <b>EnbL</b> Enable (Default : Disable)
Standby Mode <b>Stby</b>	<b>dSbL</b> Disable <b>EnbL</b> Enable (Default : Disable)
Profile Abort Command on Operator Page <b>Abrt</b>	<b>dSbL</b> Disable <b>EnbL</b> Enable (Default : Disable)
Auxiliary Setpoint or Serial Comm. Option Selection <b>OPtn</b>	<b>nonE</b> None <b>SrLC</b> Serial Comm <b>AUSP</b> Auxiliary Setpoint (Default : None)
Baud Rate <b>brUD</b>	1200, 2400, 4800, 9600 (Default : 9600)
Controller ID Number <b>id</b>	1 to 127 (Default : 1)
Communication Write Enable <b>ConE</b>	<b>no</b> No <b>YES</b> Yes (Default : No)

OP3 FUNCTION PARAMETERS : PAGE 15	
Parameters	Settings (Default Value)
Output-3 Function Selection <b>OP3F</b>	<b>ALrn</b> Alarm <b>rEC</b> Recorder Output (Default : Alarm)
Recorder Output Transmission <b>trns</b>	<b>Pu</b> Process Value <b>SP</b> Setpoint (Default : Process Value)
Recorder Output Type <b>rECO</b>	<b>0-20</b> 0 to 20mA <b>4-20</b> 4 to 20mA <b>0-5</b> 0 to 5 Volts <b>0-10</b> 0 to 10 Volts (Default : 4 to 20mA)

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

ALARM PARAMETERS : PAGE 11	
Parameters	Settings (Default Value)
Alarm Type <b>AL</b>	<b>nonE</b> None <b>P_Lo</b> Process Low <b>P_Hi</b> Process High <b>dE</b> Deviation Band <b>bAnd</b> Window Band <b>EOP</b> End of Profile (Default : None)
Alarm Setpoint <b>ALSP</b>	Min. to Max. Range Specified for the Selected Input Type (Default : For Process Low : -200 & Process High : 1300)
Alarm Deviation <b>ALdE</b>	-999 to 999 (Default : 3)
Alarm Band <b>ALbA</b>	3 to 999 (Default : 3)
Alarm Hysteresis <b>ALHy</b>	1 to 999 (Default : 2)
Alarm Logic <b>ALLG</b>	<b>dir</b> Direct <b>rEu</b> Reverse (Default : Direct)
Alarm Inhibit <b>ALih</b>	<b>YES</b> Yes <b>no</b> No (Default : Yes)

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

Parameters	Settings (Default Value)
Target Setpoint-3 <b>tSP.3</b>	Min. to Max. Range Specified for the Selected Input Type (Default : -200)
Soak Time-3 <b>SOt.3</b>	0 to 9999 (Default : 0)
Ramp Rate-4 <b>r.r.t.4</b>	0.00 to 99.99 (Default : 0.00)
Target Setpoint-4 <b>tSP.4</b>	Min. to Max. Range Specified for the Selected Input Type (Default : -200)
Soak Time-4 <b>SOt.4</b>	0 to 9999 (Default : 0)
Output Off <b>OPOF</b>	<b>no</b> No <b>YES</b> Yes (Default : No)

OPERATOR PARAMETERS : PAGE 0	
Parameters	Settings (Default Value)
Stand By Mode <b>Stby</b>	<b>no</b> No <b>YES</b> Yes (Default : No)
Profile Start Command <b>Strt</b>	<b>no</b> No <b>YES</b> Yes (Default : No)
Profile Abort Command <b>Abrt</b>	<b>no</b> No <b>YES</b> Yes (Default : No)
Control Setpoint <b>SP</b>	Setpoint Low to Setpoint High (Default : -200)
Auxiliary Setpoint <b>A.SP</b>	Setpoint Low to Setpoint High (Default : -200)
Alarm Setpoint <b>ALSP</b>	Min. to Max. Range Specified for the Selected Input Type (Default : For Process Low : -200 & Process High : 1300)
Alarm Deviation <b>ALdE</b>	-999 to 999 (Default : 3)
Alarm Band <b>ALbA</b>	3 to 999 (Default : 3)

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

**FRONT PANEL LAYOUT**

**Front Panel**

Upper Readout  
Manual Indicator  
Alarm Indicator  
Reverse Indicator  
ENTER Key  
UP Key  
DOWN Key

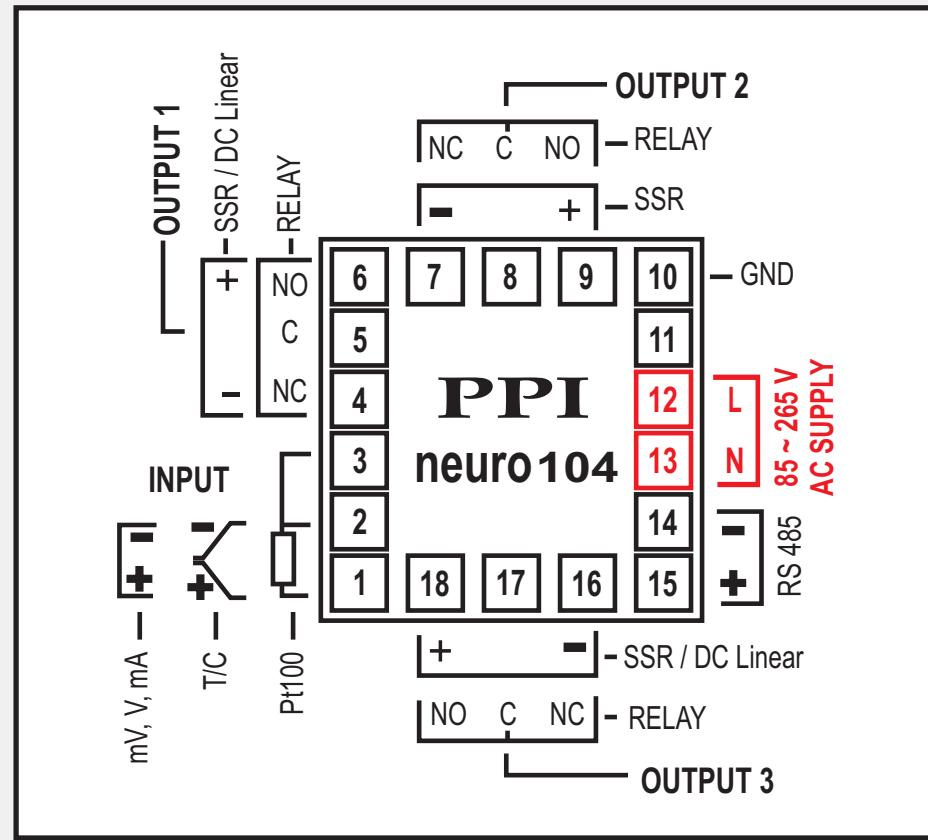
**Keys Operation**

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.

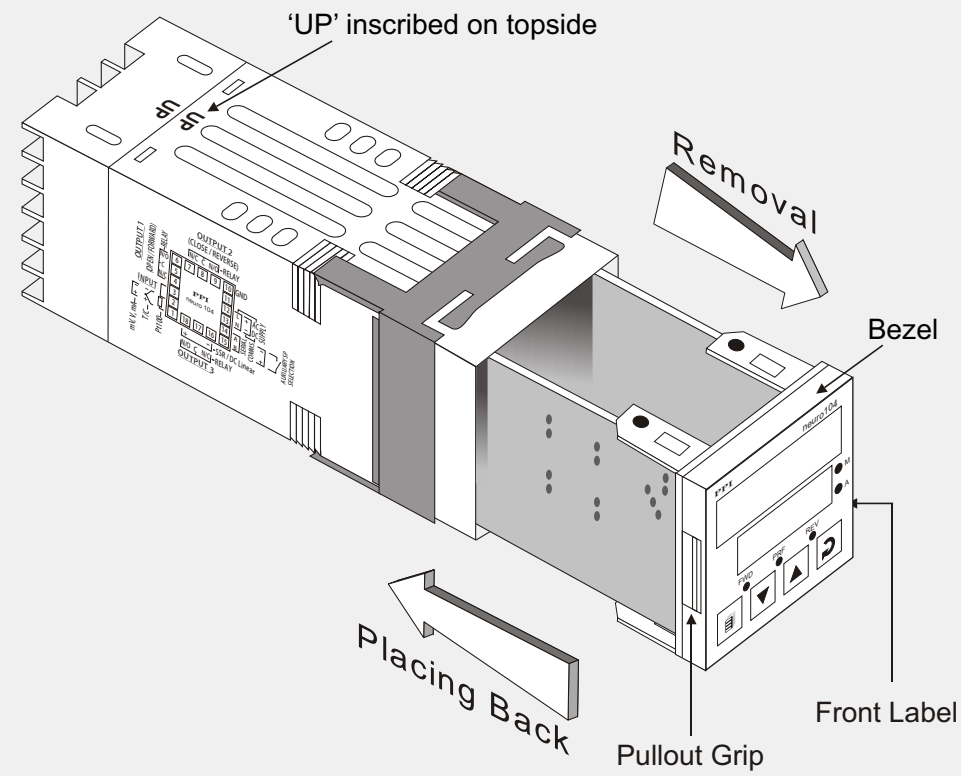
**PV Error Indications**

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

## ELECTRICAL CONNECTIONS

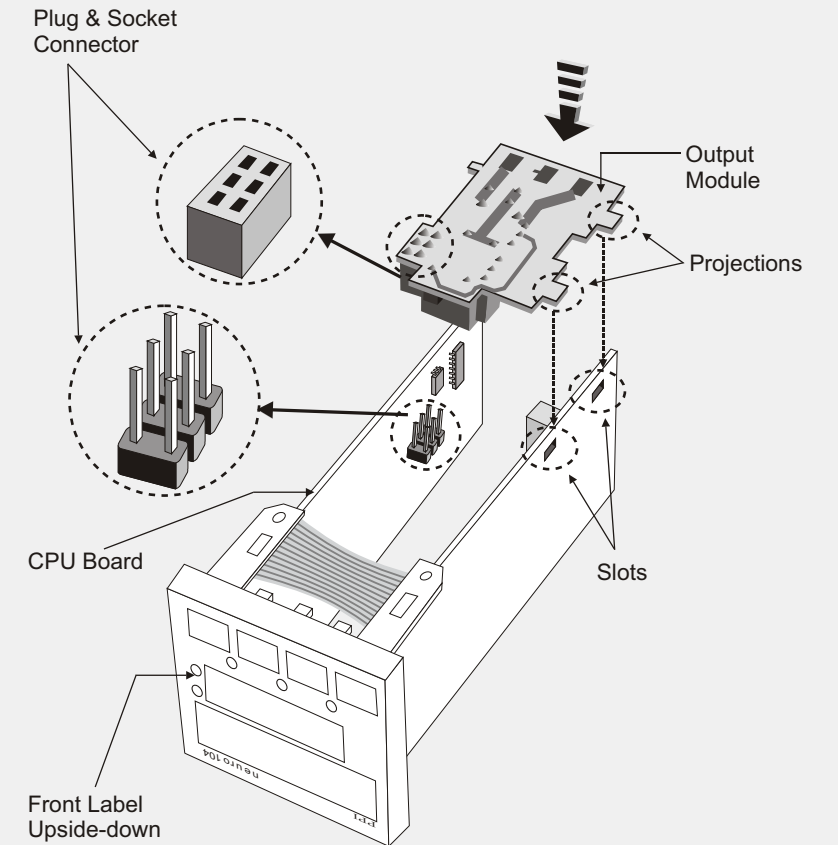


## ENCLOSURE ASSEMBLY



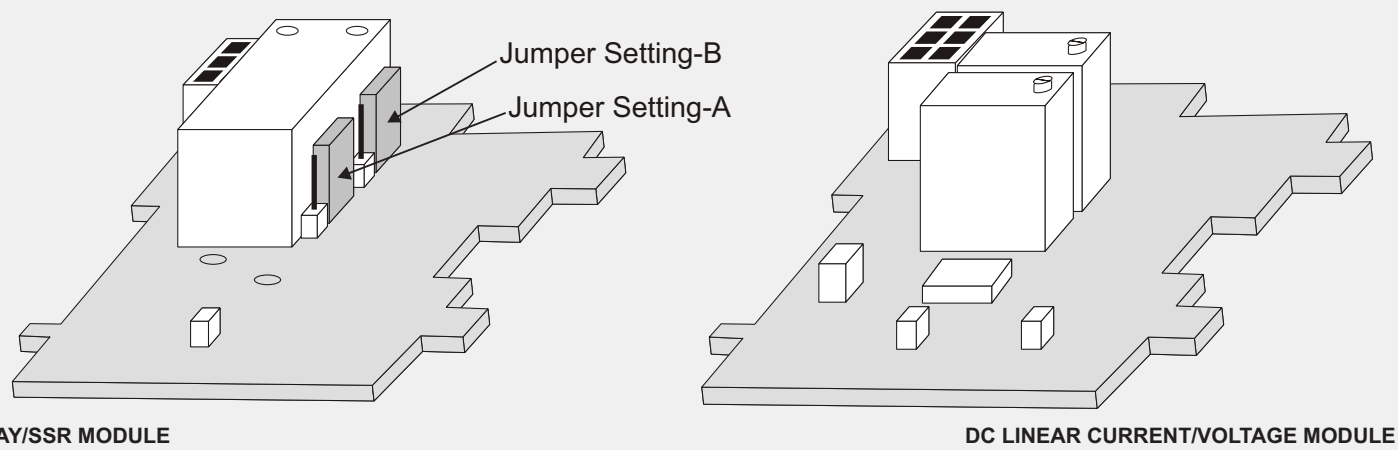
## MOUNTING DETAILS

### OUTPUT-3 MODULE



## JUMPER SETTINGS

### OUTPUT-3



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

## MOUNTING DETAILS

### SERIAL COMM. MODULE

