



INPUT/OUTPUT CONFIGURATION PARAMETERS : PAGE 12

Parameters	Settings (Default Value)
Control Action CRct	OnOff On-Off PULS Pulse PId PID (Default : PID)
Control Logic Ctrl	rEv Reverse dir Direct (Default : Reverse)
Setpoint Low Limit SPLo	Min. Range to Setpoint High for the selected Input Type (Default : -199)
Setpoint High Limit SPHi	Setpoint Low to Max. Range for the selected Input Type (Default : 1376)
Sensor Break Output Power % SbOP	0 to 100 (Default : 0)
Input Type inpT	Refer Table 1 (Default : Type K)
PV Units Unit	oC °C oF °F (Default : °C)

Signal Low	Input Type	Settings	Default
SLo	0 to 20 mA	0.00 to Signal High	0.00
	4 to 20 mA	4.00 to Signal High	4.00
	0 to 80 mV	0.00 to Signal High	0.00
	Reserved	0.0 to Signal High	0.0
	0 to 1.25 V	0.000 to Signal High	0.000
	0 to 5 V	0.000 to Signal High	0.000
	0 to 10 V	0.00 to Signal High	0.00
	1 to 5 V	1.000 to Signal High	1.000

Signal High	Input Type	Settings	Default
SHi	0 to 20 mA	Signal Low to 20.00	20.00
	4 to 20 mA	Signal Low to 20.00	20.00
	0 to 80 mV	Signal Low to 80.00	80.00
	Reserved	Signal Low to 80.00	80.00
	0 to 1.25 V	Signal Low to 1.250	1.250
	0 to 5 V	Signal Low to 5.000	5.000
	0 to 10 V	Signal Low to 10.00	10.00
	1 to 5 V	Signal Low to 5.000	5.000

PV Resolution rSLn	Refer Table 1 (Default : 1)
PV Range Low rLo	-1999 to 9999 (Default : 0)
PV Range High rHi	-1999 to 9999 (Default : 1000)
Offset for PV OFSt	For DC mA/mV/V : 1 to 9999 counts For Thermocouples/RTD : 1 to 999 or 0.1 to 999.9 (Default : 0)
Digital Filter Time Constant Flt	0.5 to 60.0 Seconds (in steps of 0.5 Seconds) (Default : 2.0 Sec.)

CONTROL PARAMETERS : PAGE 10

Parameters	Settings (Default Value)
Proportional Band Pb	1 to 9999 counts (Default : 500)
Integral Time It	0 to 3600 Seconds (Default : 100 Sec.)
Derivative Time dT	0 to 600 Seconds (Default : 16 Sec.)
Cycle Time Ct	0.5 to 100.0 Seconds (in steps of 0.5 secs.) (Default : 10.0 Sec.)

Parameters	Settings (Default Value)
Relative Cool Gain rELC	0.1 to 10.0 (Default : 1.0)
Cool Cycle Time CCt	0.5 to 100.0 Seconds (in steps of 0.5 secs.) (Default : 10.0 sec.)
Hysteresis HYSr	1 to 9999 counts (Default : 2)
Pulse Time PLt	Pulse ON Time to 120.0 Seconds (Default : 2.0 sec.)
Pulse On Time Ont	0.1 to Value set for Pulse Time (Default : 1.0)
Cool Hysteresis CHYS	1 to 9999 counts (Default : 2)
Cool Pulse Time CPLt	Cool ON Time to 120.0 Seconds (Default : 2.0)
Cool Pulse ON Time COnT	0.1 to Value set for Cool Pulse Time (Default : 1.0)
Heat Power Low PL	0 to Heat Power High (Default : 0)
Heat Power High PH	Heat Power Low to 100 (Default : 100)
Cool Power Low CPL	0 to Cool Power High (Default : 0)
Cool Power High CPH	Cool Power Low to 100 (Default : 100)

SUPERVISORY PARAMETERS : PAGE 13

Parameters	Settings (Default Value)
Self-Tune Command tUnE	no No YES Yes (Default : No)
Overshoot Inhibit oSh	dSbL Disable EnbL Enable (Default : Disable)
Overshoot Inhibit Factor OihF	1.0 to 2.0 (Default : 1.0)
SP Adjustment on Lower Readout SPLr	dSbL Disable EnbL Enable (Default : Enable)
SP Adjustment on Operator Page SPOP	dSbL Disable EnbL Enable (Default : Enable)
Manual Mode HRnd	dSbL Disable EnbL Enable (Default : Disable)
Alarm SP Adjustment on Operator Page ALSP	dSbL Disable EnbL Enable (Default : Disable)
Standby Mode Stby	dSbL Disable EnbL Enable (Default : Disable)
Profile Abort Command on Page - 1 Abrt	dSbL Disable EnbL Enable (Default : Disable)

Parameters	Settings (Default Value)
Baud Rate BAUD	24 2400 48 4800 96 9600 192 19200 384 38400 576 57600 (Default : 9.6)
Communication Parity PARr	nonE None EvEn Even (Default : Even) Odd Odd (Default : Even)
Controller ID Number id	1 to 127 (Default : 1)
Communication Write Enable ConE	no No YES Yes (Default : No)

OP1, OP2 & OP3 FUNCTION PARAMETERS : PAGE 15

Parameters	Settings (Default Value)
Output-1 Type OP1t	rLY Relay SSr SSR 0-20 0 - 20mA 4-20 4 - 20mA 0-5 0 - 5 V 0-10 0 - 10 V (Default : Relay)
Output-2 Function Selection OP2F	nonE None ALrñ Alarm EOP End of Profile CCOn Cool Control (Default : None)
Alarm-1 Logic AL1G	norñ Normal rEv Reverse (Default : Normal)
Output-2 Type OP2t	rLY Relay SSr SSR 0-20 0 - 20mA 4-20 4 - 20mA 0-5 0 - 5 V 0-10 0 - 10 V (Default : Relay)
OP2 Event Status O2ES	On ON OFF OFF (Default : ON)
OP2 Event Time Units O2Ut	SEC Seconds ñin Minutes Hour Hours (Default : Seconds)
OP2 Event Time O2Et	0 to 9999 (Default : 0)

Parameters	Settings (Default Value)
Output-3 Function Selection OP3F	nonE None AL-2 Alarm-2 EOP End of Profile rEC Recorder (Default : Alarm)
Alarm-2 Logic A2LG	norñ Normal rEv Reverse (Default : Normal)
OP3 Event Status O3ES	On ON OFF OFF (Default : ON)
OP3 Event Time Units O3Ut	SEC Seconds ñin Minutes Hour Hours (Default : Seconds)
OP3 Event Time O3Et	0 to 9999 (Default : 0)
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 : 0 to 20mA)

ALARM AND RETRANSMISSION (RECORDER) PARAMETERS : PAGE 11

Parameters	Settings (Default Value)
Alarm-1 Type AL-1	nonE None P_Lo Process Low P_Hi Process High dE Deviation Band bAnd Window Band (Default : None)
Alarm-1 Setpoint AL1SP	Min. to Max. Range specified for the selected Input Type (Default : Min or Max Range)
Alarm-1 Deviation Band AL1dE	For DC mA/mV/V : -1999 to 9999 counts For Thermocouples/RTD : -999 to 999 or -1.999 to 999.9 (Default : 5)
Alarm-1 Window Band AL1bA	For DC mA/mV/V : 3 to 9999 counts For Thermocouples/RTD : 3 to 999 or 0.3 to 999.9 (Default : 5)
Alarm-1 Hysteresis AL1HY	For DC mA/mV/V : 1 to 9999 counts For Thermocouples/RTD : 1 to 999 or 0.1 to 999.9 (Default : 2)
Alarm-1 Inhibit AL1h	no No YES Yes (Default : No)
Alarm-2 Type AL-2	nonE None P_Lo Process Low P_Hi Process High dE Deviation Band bAnd Window Band (Default : None)

Parameters	Settings (Default Value)
Alarm-2 Setpoint A2SP	Min. to Max. Range specified for the selected Input Type (Default : Min or Max Range)
Alarm-2 Deviation Band A2dE	For DC mA/mV/V : -1999 to 9999 counts For Thermocouples/RTD : -999 to 999 or -1.999 to 999.9 (Default : 5)
Alarm-2 Window Band A2bA	For DC mA/mV/V : 3 to 9999 counts For Thermocouples/RTD : 3 to 999 or 0.3 to 999.9 (Default : 5)
Alarm-2 Hysteresis A2HY	For DC mA/mV/V : 1 to 9999 counts For Thermocouples/RTD : 1 to 999 or 0.1 to 999.9 (Default : 2)
Alarm-2 Inhibit A2h	no No YES Yes (Default : No)
PV/SP Selection For Retransmission trnS	Pv Process Value SP Setpoint (Default : Process Value)
Recorder (Retransmission) Low rECL	Min. to Max. Range Specified for the Selected Input Type (Default : -199)
Recorder (Retransmission) High rECH	Min. to Max. Range Specified for the Selected Input Type (Default : 1376)

PROFILE CONFIGURATION PARAMETERS : PAGE 16

Parameters	Settings (Default Value)
Profile mode Enable PrOF	dSbL Disable EnbL Enable (Default : Disable)
Number of Segments nSEG	1 to 16 (Default : 16)
Number of Repeats nrPt	1 to 9999 (Default : 1)
Common Holdback CoHb	no No YES Yes (Default : Yes)
Output Off OPDF	no No YES Yes (Default : No)
Power Fail Strategy PrFL	Abrt Abort Cont Continue (Default : Continue)

PROFILE SETTING PARAMETERS : PAGE 14

Parameters	Settings (Default Value)
Segment Number SEGn	1 to 16 (Default : 1)
Target Setpoint t-SP	Min. to Max. Range specified for the selected Input Type (Default : -199)
Time Interval tñE	0 to 9999 Minutes (Default : 0)
Holdback Type Hbty	nonE None UP Up dn Down both Both (Default : None)
Holdback Value HbUL	For DC mA/mV/V : 1 to 9999 counts For Thermocouples/RTD : 1 to 999 or 0.1 to 999.9 (Default : 1)

ON-LINE ALTERATIONS : PAGE 1

Parameters	Settings (Default Value)
End of Profile Acknowledge EOPr	no No YES Yes (Default : No)
Profile Start Command Strt	no No YES Yes (Default : No)
Profile Abort Command Abrt	no No YES Yes (Default : No)
Profile Pause Command PAUS	no No YES Yes (Default : No)
Segment Skip Command SPIP	no No YES Yes (Default : No)
Segment Time Interval tñE	0 to 9999 Minutes
Segment Holdback Type Hbty	nonE None UP Up dn Down both Both
Segment Band Value HbUL	For DC mA/mV/V : 1 to 9999 counts For Thermocouples/RTD : 1 to 999 or 0.1 to 999.9
Profile Repeat Counter brPt	1 to 9999

OPERATOR PAGE PARAMETERS : PAGE 0

Parameters	Settings (Default Value)
(De)Activate Standby Mode Stby	no No YES Yes (Default : No)
Control Setpoint SP	Setpoint Low Limit to Setpoint High Limit (Default : -1999)
Alarm-1 Setpoint AL1SP	Min. to Max. Range specified for the selected Input Type (Default : Min or Max Range)
Alarm-1 Deviation Band AL1dE	For DC mA/mV/V : -1999 to 9999 counts For Thermocouples/RTD : -999 to 999 or -1.999 to 999.9 (Default : 0)
Alarm-1 Window Band AL1bA	For DC mA/mV/V : 3 to 9999 counts For Thermocouples/RTD : 3 to 999 or 0.3 to 999.9 (Default : 0)
Alarm-2 Setpoint A2SP	Min. to Max. Range specified for the selected Input Type (Default : Min or Max Range)
Alarm-2 Deviation Band A2dE	For DC mA/mV/V : -1999 to 9999 counts For Thermocouples/RTD : -999 to 999 or -1.999 to 999.9 (Default : 0)
Alarm-2 Window Band A2bA	For DC mA/mV/V : 3 to 9999 counts For Thermocouples/RTD : 3 to 999 or 0.3 to 999.9 (Default : 0)
Auxiliary Control Setpoint AUSP	Setpoint Low Limit to Setpoint High Limit (Default : -1999)

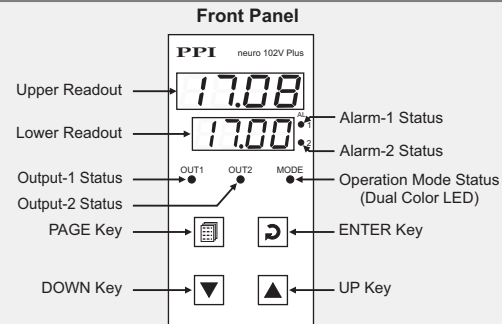
REMOTE SETPOINT PARAMETERS : PAGE-17

Parameters	Settings (Default Value)
Remote Setpoint Feature Enable rSEn	no No (disable) YES Yes (enable) (Default : No)
Remote Setpoint Input Signal Type rSSO	0-20 0 to 20mA 4-20 4 to 20mA 0-5 0 to 5 Volts 0-10 0 to 10 Volts (Default : 0 to 20mA)
Remote Setpoint Range Low rSLo	Min. Range for the selected Input Type to Remote Setpoint Range High (Default : -199)
Remote Setpoint Range High rSHi	Remote Setpoint Range Low to Max. Range for the selected Input Type (Default : 1376)

TABLE- 1

Option	Range (Min. to Max.)	Resolution
TC-J J Type T/C	0 to +960°C / +32 to +1760°F	Fixed 1°C / 1°F
TC-K K Type T/C	-200 to +1376°C / -328 to +2508°F	
TC-T T Type T/C	-200 to +385°C / -328 to +725°F	
TC-R R Type T/C	0 to +1770°C / +32 to +3218°F	
TC-S S Type T/C	0 to +1765°C / +32 to +3209°F	
TC-B B Type T/C	0 to +1825°C / +32 to +3092°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 3-wire 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
0-20	0 to 20mA DC	User settable 1 / 0.1 / 0.01 / 0.001 units
4-20	4 to 20mA DC	
0080	0 to 80mV DC	
rESu Reserved	-1999 to +9999 units	
1.25	0 to 1.25V DC	
5.0	0 to 5.0V DC	
10.0	0 to 10.0V DC	
1-5	1 to 5.0V DC	

FRONT PANEL LAYOUT



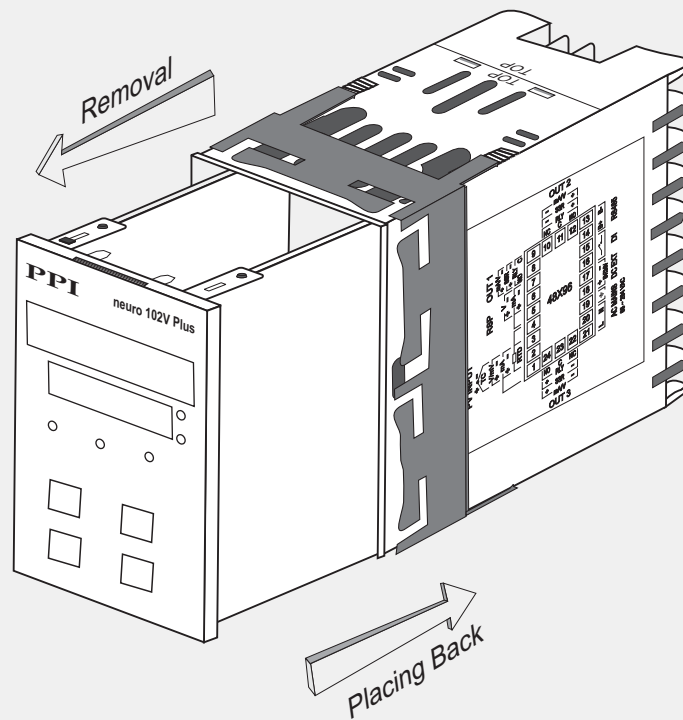
Keys Operation

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

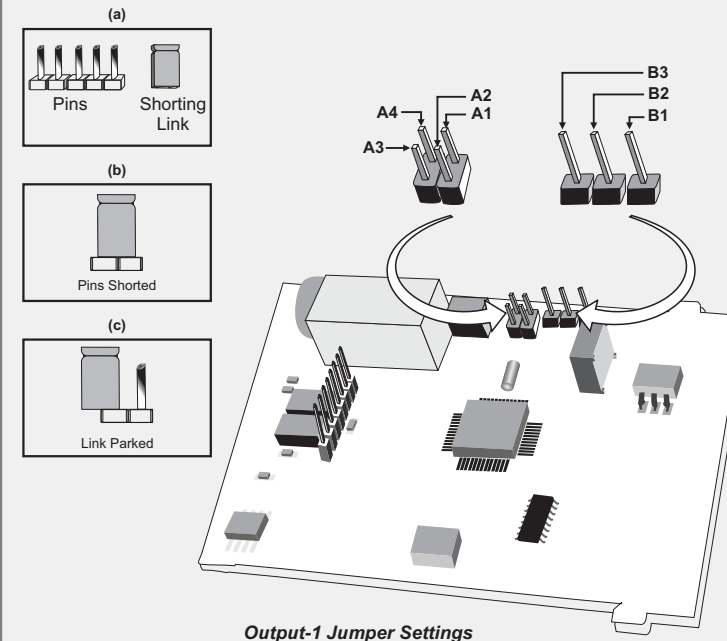
Message	PV Error Type
	Over-range (PV above Max. Range)
	Under-range (PV below Min. Range)
	Open (Sensor open / broken)

ENCLOSURE ASSEMBLY



JUMPER SETTINGS

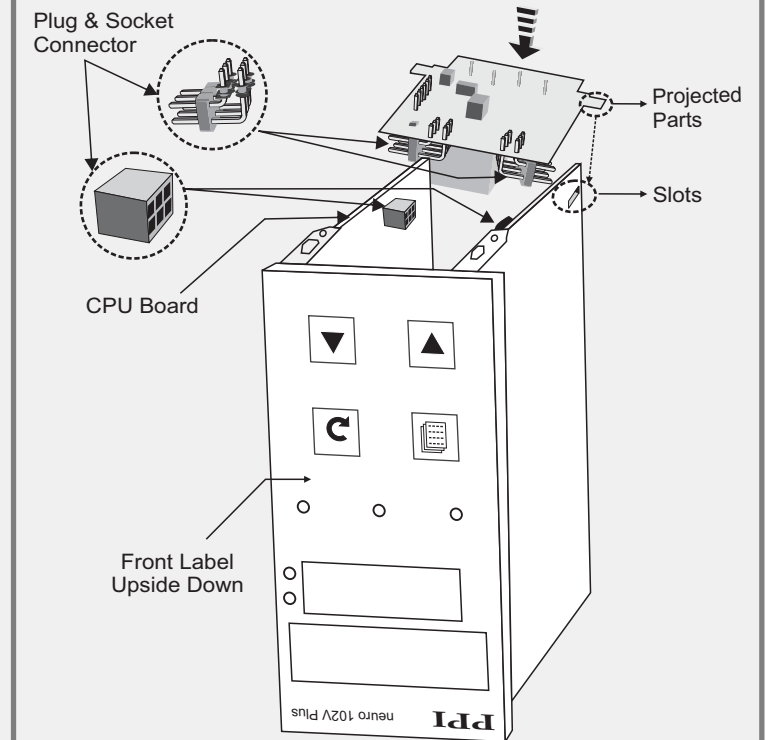
OUTPUT-1



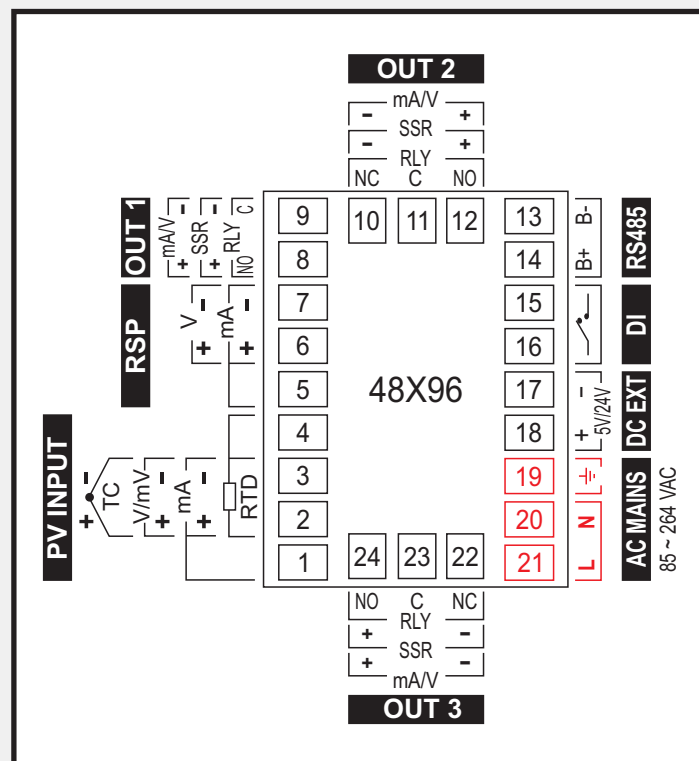
Output Type	Jumper Settings
Relay	Shorting Link A : Short Pins A1 & A4 Shorting Link B : Park
SSR Drive	Shorting Link A : Short Pins A3 & A4 Shorting Link B : Short Pins B2 & B3
DC Linear Current (or Voltage)	Shorting Link A : Short Pins A2 & A3 Shorting Link B : Short Pins B1 & B2

MOUNTING DETAILS

OUTPUT-3 MODULE

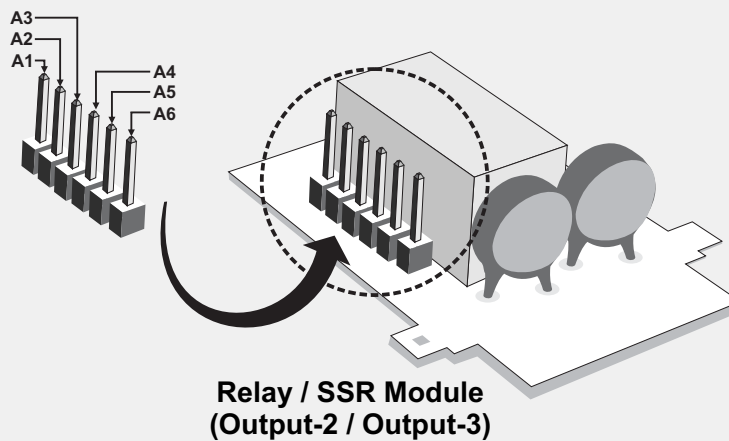


ELECTRICAL CONNECTIONS



JUMPER SETTINGS

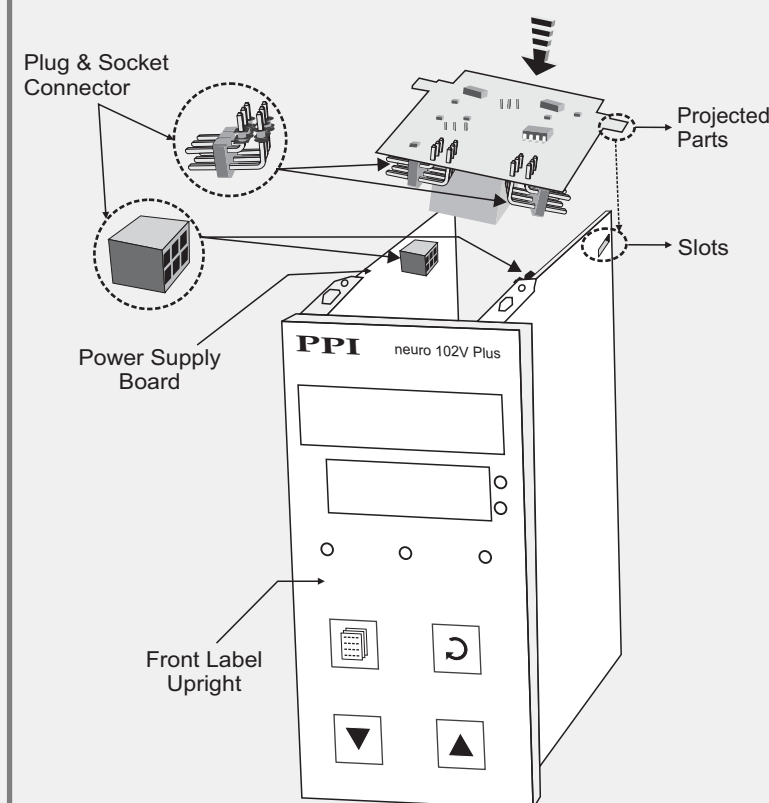
OUTPUT-2 & 3



Output Type	Jumper Setting (Used 2 Short Links)
Relay	Short pins A2 & A3 and Short pins A5 & A6
SSR	Short pins A1 & A2 and Short pins A4 & A5

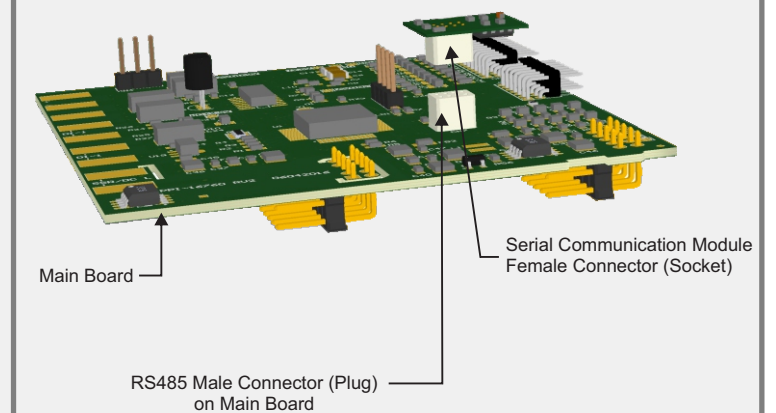
MOUNTING DETAILS

OUTPUT-2 MODULE



MOUNTING DETAILS

SERIAL COMM. MODULE





INPUT/OUTPUT CONFIGURATION PARAMETERS : PAGE 12

Parameters	Settings (Default Value)
Control Action [CAct]	[OnOff] On-Off [PULS] Pulse [PID] PID (Default : PID)
Control Logic [Ctrl]	[Rev] Reverse [Dir] Direct (Default : Reverse)
Setpoint Low Limit [SPLo]	Min. Range to Setpoint High for the selected Input Type (Default : -199)
Setpoint High Limit [SPHi]	Setpoint Low to Max. Range for the selected Input Type (Default : 1376)
Sensor Break Output Power % [SbOP]	0 to 100 (Default : 0)
Input Type [InPt]	Refer Table 1 (Default : Type K)
PV Units [Unit]	[OC] °C [OF] °F (Default : °C)

Signal Low	Input Type	Settings	Default
[SLo]	0 to 20 mA	0.00 to Signal High	0.00
	4 to 20 mA	4.00 to Signal High	4.00
	0 to 80 mV	0.00 to Signal High	0.00
	Reserved	0.0 to Signal High	0.0
	0 to 1.25 V	0.000 to Signal High	0.000
	0 to 5 V	0.000 to Signal High	0.000
	0 to 10 V	0.00 to Signal High	0.00
	1 to 5 V	1.000 to Signal High	1.000

Signal High	Input Type	Settings	Default
[SHi]	0 to 20 mA	Signal Low to 20.00	20.00
	4 to 20 mA	Signal Low to 20.00	20.00
	0 to 80 mV	Signal Low to 80.00	80.00
	Reserved	Signal Low to 80.00	80.00
	0 to 1.25 V	Signal Low to 1.250	1.250
	0 to 5 V	Signal Low to 5.000	5.000
	0 to 10 V	Signal Low to 10.00	10.00
	1 to 5 V	Signal Low to 5.000	5.000

PV Resolution [rSLn]	Refer Table 1 (Default : 1)
PV Range Low [rLo]	-1999 to 9999 (Default : 0)
PV Range High [rHi]	-1999 to 9999 (Default : 1000)
Offset for PV [OFSt]	For DC mA/mV/V : 1 to 9999 counts For Thermocouples/RTD : 1 to 999 or 0.1 to 999.9 (Default : 0)
Digital Filter Time Constant [Flt]	0.5 to 60.0 Seconds (in steps of 0.5 Seconds) (Default : 2.0 Sec.)

CONTROL PARAMETERS : PAGE 10

Parameters	Settings (Default Value)
Proportional Band [Pb]	1 to 9999 counts (Default : 500)
Integral Time [It]	0 to 3600 Seconds (Default : 100 Sec.)
Derivative Time [dt]	0 to 600 Seconds (Default : 16 Sec.)
Cycle Time [Ct]	0.5 to 100.0 Seconds (in steps of 0.5 secs.) (Default : 10.0 Sec.)

Parameters	Settings (Default Value)
Relative Cool Gain [rELC]	0.1 to 10.0 (Default : 1.0)
Cool Cycle Time [CCt]	0.5 to 100.0 Seconds (in steps of 0.5 secs.) (Default : 10.0 sec.)
Hysteresis [HYSt]	1 to 9999 counts (Default : 2)
Pulse Time [PLt]	Pulse ON Time to 120.0 Seconds (Default : 2.0 sec.)
Pulse On Time [Ont]	0.1 to Value set for Pulse Time (Default : 1.0)
Cool Hysteresis [CHYS]	1 to 9999 counts (Default : 2)
Cool Pulse Time [CPLt]	Cool ON Time to 120.0 Seconds (Default : 2.0)
Cool Pulse ON Time [COnT]	0.1 to Value set for Cool Pulse Time (Default : 1.0)
Heat Power Low [PL]	0 to Heat Power High (Default : 0)
Heat Power High [PH]	Heat Power Low to 100 (Default : 100)
Cool Power Low [CPL]	0 to Cool Power High (Default : 0)
Cool Power High [CPH]	Cool Power Low to 100 (Default : 100)

SUPERVISORY PARAMETERS : PAGE 13

Parameters	Settings (Default Value)
Self-Tune Command [tUnE]	[no] No [YES] Yes (Default : No)
Overshoot Inhibit [oSh]	[dSbL] Disable [EnbL] Enable (Default : Disable)
Overshoot Inhibit Factor [O.hF]	1.0 to 2.0 (Default : 1.0)
SP Adjustment on Lower Readout [SPLR]	[dSbL] Disable [EnbL] Enable (Default : Enable)
SP Adjustment on Operator Page [SPOP]	[dSbL] Disable [EnbL] Enable (Default : Enable)
Manual Mode [HRnd]	[dSbL] Disable [EnbL] Enable (Default : Disable)
Alarm SP Adjustment on Operator Page [ALSP]	[dSbL] Disable [EnbL] Enable (Default : Disable)
Standby Mode [Stby]	[dSbL] Disable [EnbL] Enable (Default : Disable)
Profile Abort Command on Page - 1 [Abrt]	[dSbL] Disable [EnbL] Enable (Default : Disable)

Parameters	Settings (Default Value)
Baud Rate [BAUD]	[24] 2400 [48] 4800 [96] 9600 [192] 19200 [384] 38400 [576] 57600 (Default : 9.6)
Communication Parity [PARr]	[nonE] None [EvEn] Even [Odd] Odd (Default : Even)
Controller ID Number [id]	1 to 127 (Default : 1)
Communication Write Enable [CoñE]	[no] No [YES] Yes (Default : No)

OP1, OP2 & OP3 FUNCTION PARAMETERS : PAGE 15

Parameters	Settings (Default Value)
Output-1 Type [OP1t]	[rLY] Relay [SSr] SSR [0-20] 0 - 20mA [4-20] 4 - 20mA [0-5] 0 - 5 V [0-10] 0 - 10 V (Default : Relay)
Output-2 Function Selection [OP2F]	[nonE] None [ALrñ] Alarm [EOP] End of Profile [CCOn] Cool Control (Default : None)
Alarm-1 Logic [AL1G]	[norñ] Normal [rEv] Reverse (Default : Normal)
Output-2 Type [OP2t]	[rLY] Relay [SSr] SSR [0-20] 0 - 20mA [4-20] 4 - 20mA [0-5] 0 - 5 V [0-10] 0 - 10 V (Default : Relay)
OP2 Event Status [O2ES]	[On] ON [OFF] OFF (Default : ON)
OP2 Event Time Units [O2UE]	[SEC] Seconds [ñin] Minutes [Hour] Hours (Default : Seconds)
OP2 Event Time [O2ET]	0 to 9999 (Default : 0)

Parameters	Settings (Default Value)
Output-3 Function Selection [OP3F]	[nonE] None [AL-2] Alarm-2 [EOP] End of Profile [rEC] Recorder (Default : Alarm)
Alarm-2 Logic [A2LG]	[norñ] Normal [rEv] Reverse (Default : Normal)
OP3 Event Status [O3ES]	[On] ON [OFF] OFF (Default : ON)
OP3 Event Time Units [O3UE]	[SEC] Seconds [ñin] Minutes [Hour] Hours (Default : Seconds)
OP3 Event Time [O3ET]	0 to 9999 (Default : 0)
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 : 0 to 20mA)

ALARM AND RETRANSMISSION (RECORDER) PARAMETERS : PAGE 11

Parameters	Settings (Default Value)
Alarm-1 Type [AL-1]	[nonE] None [P.Lo] Process Low [P.Hi] Process High [dE] Deviation Band [bAnd] Window Band (Default : None)
Alarm-1 Setpoint [AL1SP]	Min. to Max. Range specified for the selected Input Type (Default : Min or Max Range)
Alarm-1 Deviation Band [AL1dE]	For DC mA/mV/V : -1999 to 9999 counts For Thermocouples/RTD : -999 to 999 or -1.999 to 999.9 (Default : 5)
Alarm-1 Window Band [AL1bA]	For DC mA/mV/V : 3 to 9999 counts For Thermocouples/RTD : 3 to 999 or 0.3 to 999.9 (Default : 5)
Alarm-1 Hysteresis [AL1HY]	For DC mA/mV/V : 1 to 9999 counts For Thermocouples/RTD : 1 to 999 or 0.1 to 999.9 (Default : 2)
Alarm-1 Inhibit [AL1h]	[no] No [YES] Yes (Default : No)
Alarm-2 Type [AL-2]	[nonE] None [P.Lo] Process Low [P.Hi] Process High [dE] Deviation Band [bAnd] Window Band (Default : None)

Parameters	Settings (Default Value)
Alarm-2 Setpoint [A2SP]	Min. to Max. Range specified for the selected Input Type (Default : Min or Max Range)
Alarm-2 Deviation Band [A2dE]	For DC mA/mV/V : -1999 to 9999 counts For Thermocouples/RTD : -999 to 999 or -1.999 to 999.9 (Default : 5)
Alarm-2 Window Band [A2bA]	For DC mA/mV/V : 3 to 9999 counts For Thermocouples/RTD : 3 to 999 or 0.3 to 999.9 (Default : 5)
Alarm-2 Hysteresis [A2HY]	For DC mA/mV/V : 1 to 9999 counts For Thermocouples/RTD : 1 to 999 or 0.1 to 999.9 (Default : 2)
Alarm-2 Inhibit [A2h]	[no] No [YES] Yes (Default : No)
PV/SP Selection For Retransmission [trns]	[PV] Process Value [SP] Setpoint (Default : Process Value)
Recorder (Retransmission) Low [rECL]	Min. to Max. Range Specified for the Selected Input Type (Default : -199)
Recorder (Retransmission) High [rECH]	Min. to Max. Range Specified for the Selected Input Type (Default : 1376)

PROFILE CONFIGURATION PARAMETERS : PAGE 16

Parameters	Settings (Default Value)
Profile mode Enable [PrOF]	[dSbL] Disable [EnbL] Enable (Default : Disable)
Number of Segments [nSEG]	1 to 16 (Default : 16)
Number of Repeats [nrPt]	1 to 9999 (Default : 1)
Common Holdback [CoHb]	[no] No [YES] Yes (Default : Yes)
Output Off [OPDF]	[no] No [YES] Yes (Default : No)
Power Fail Strategy [PrFL]	[Abrt] Abort [Cont] Continue (Default : Continue)

PROFILE SETTING PARAMETERS : PAGE 14

Parameters	Settings (Default Value)
Segment Number [SEGn]	1 to 16 (Default : 1)
Target Setpoint [t.SP]	Min. to Max. Range specified for the selected Input Type (Default : -199)
Time Interval [t.inE]	0 to 9999 Minutes (Default : 0)
Holdback Type [Hbty]	[nonE] None [UP] Up [dn] Down [both] Both (Default : None)
Holdback Value [HbuL]	For DC mA/mV/V : 1 to 9999 counts For Thermocouples/RTD : 1 to 999 or 0.1 to 999.9 (Default : 1)

ON-LINE ALTERATIONS : PAGE 1

Parameters	Settings (Default Value)
End of Profile Acknowledge [EOPR]	[no] No [YES] Yes (Default : No)
Profile Start Command [Strt]	[no] No [YES] Yes (Default : No)
Profile Abort Command [Abrt]	[no] No [YES] Yes (Default : No)
Profile Pause Command [PAUS]	[no] No [YES] Yes (Default : No)
Segment Skip Command [SPIP]	[no] No [YES] Yes (Default : No)
Segment Time Interval [t.inE]	0 to 9999 Minutes
Segment Holdback Type [Hbty]	[nonE] None [UP] Up [dn] Down [both] Both
Segment Band Value [HbuL]	For DC mA/mV/V : 1 to 9999 counts For Thermocouples/RTD : 1 to 999 or 0.1 to 999.9
Profile Repeat Counter [brPt]	1 to 9999

OPERATOR PAGE PARAMETERS : PAGE 0

Parameters	Settings (Default Value)
(De)Activate Standby Mode [Stby]	[no] No [YES] Yes (Default : No)
Control Setpoint [SP]	Setpoint Low Limit to Setpoint High Limit (Default : -1999)
Alarm-1 Setpoint [AL1SP]	Min. to Max. Range specified for the selected Input Type (Default : Min or Max Range)
Alarm-1 Deviation Band [AL1dE]	For DC mA/mV/V : -1999 to 9999 counts For Thermocouples/RTD : -999 to 999 or -1.999 to 999.9 (Default : 0)
Alarm-1 Window Band [AL1bA]	For DC mA/mV/V : 3 to 9999 counts For Thermocouples/RTD : 3 to 999 or 0.3 to 999.9 (Default : 0)
Alarm-2 Setpoint [A2SP]	Same as that for Alarm-1 above but applied to Alarm-2.
Alarm-2 Deviation Band [A2dE]	
Alarm-2 Window Band [A2bA]	
Auxiliary Control Setpoint [AUSP]	Setpoint Low Limit to Setpoint High Limit (Default : -1999)

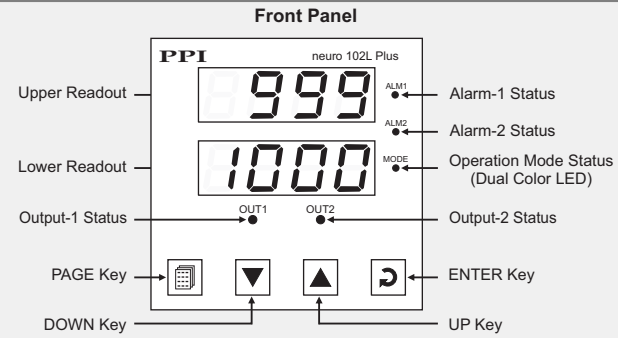
REMOTE SETPOINT PARAMETERS : PAGE-17

Parameters	Settings (Default Value)
Remote Setpoint Feature Enable [rSEn]	[no] No (disable) [YES] Yes (enable) (Default : No)
Remote Setpoint Input Signal Type [rSSO]	[0-20] 0 to 20mA [4-20] 4 to 20mA [0-5] 0 to 5 Volts [0-10] 0 to 10 Volts (Default : 0 to 20mA)
Remote Setpoint Range Low [rSLo]	Min. Range for the selected Input Type to Remote Setpoint Range High (Default : -199)
Remote Setpoint Range High [rSHi]	Remote Setpoint Range Low to Max. Range for the selected Input Type (Default : 1376)

TABLE- 1

Option	Range (Min. to Max.)	Resolution
[tC-d] J Type T/C	0 to +960°C / +32 to +1760°F	Fixed 1°C / 1°F
[tC-p] K Type T/C	-200 to +1376°C / -328 to +2508°F	
[tC-t] T Type T/C	-200 to +385°C / -328 to +725°F	
[tC-r] R Type T/C	0 to +1770°C / +32 to +3218°F	
[tC-s] S Type T/C	0 to +1765°C / +32 to +3209°F	
[tC-b] B Type T/C	0 to +1825°C / +32 to +3092°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] 3-wire 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
[0-20]	0 to 20mA DC	User settable 1 / 0.1 / 0.01 / 0.001 units
[4-20]	4 to 20mA DC	
[0080]	0 to 80mV DC	
[rESu]	Reserved	
[1.25]	0 to 1.25V DC	
[5.0]	0 to 5.0V DC	User settable 1 / 0.1 / 0.01 / 0.001 units
[10.0]	0 to 10.0V DC	
[1-5]	1 to 5.0V DC	

FRONT PANEL LAYOUT



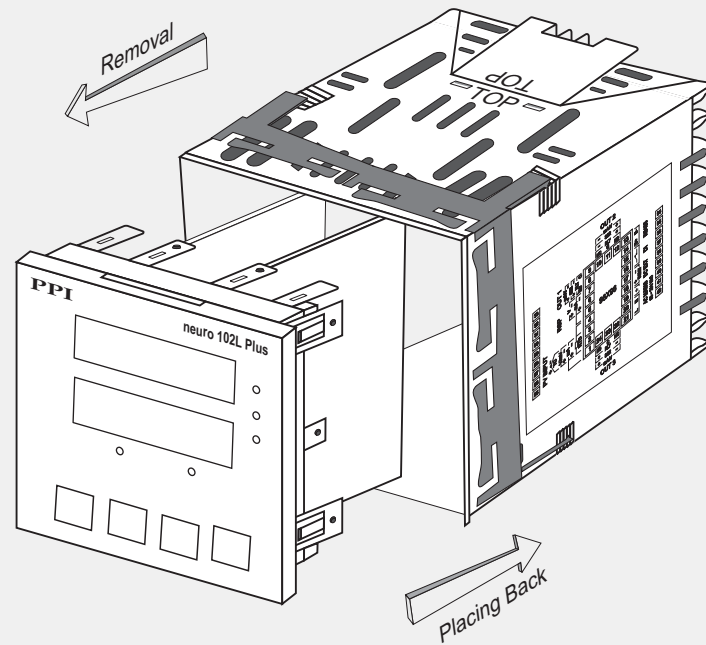
Keys Operation

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

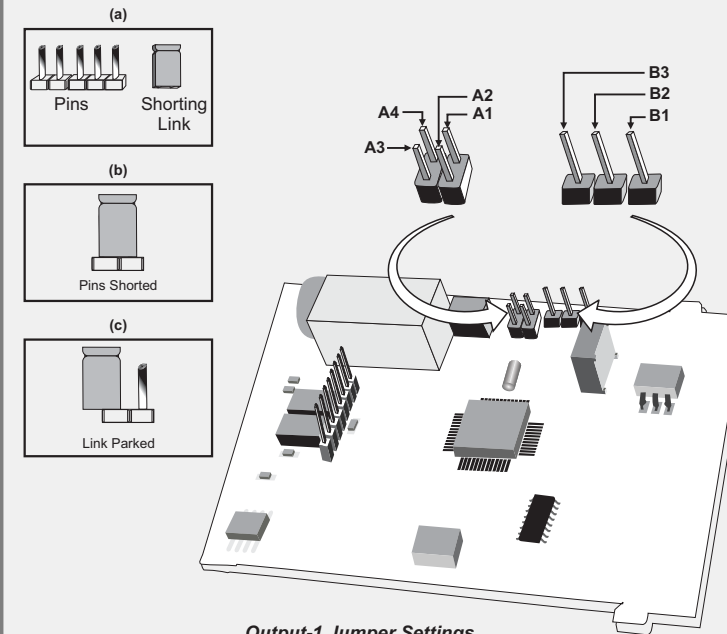
Message	PV Error Type
	Over-range (PV above Max. Range)
	Under-range (PV below Min. Range)
	Open (Sensor open / broken)

ENCLOSURE ASSEMBLY



JUMPER SETTINGS

OUTPUT-1

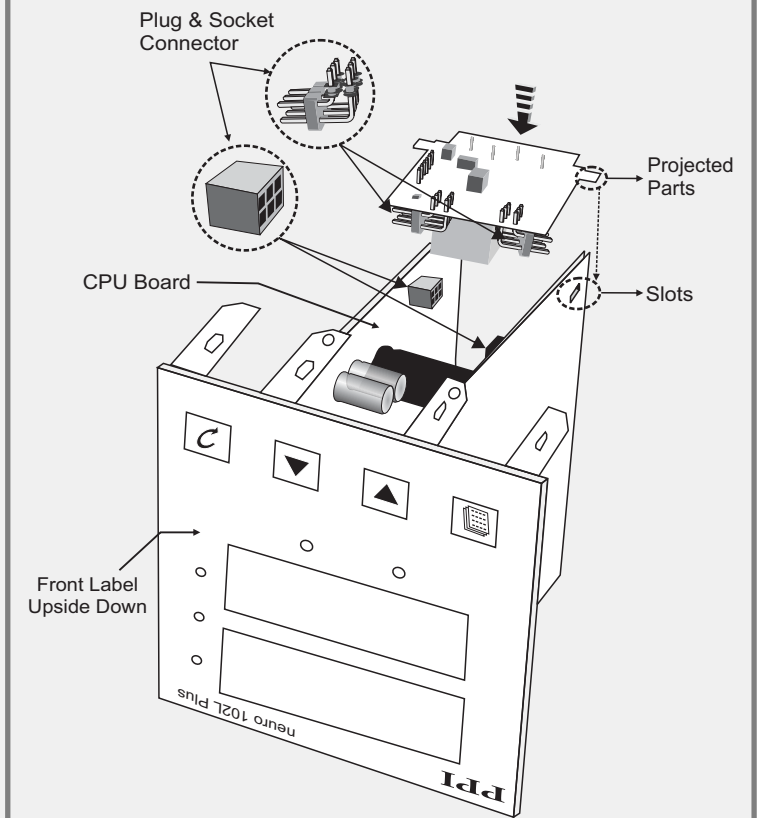


Output-1 Jumper Settings

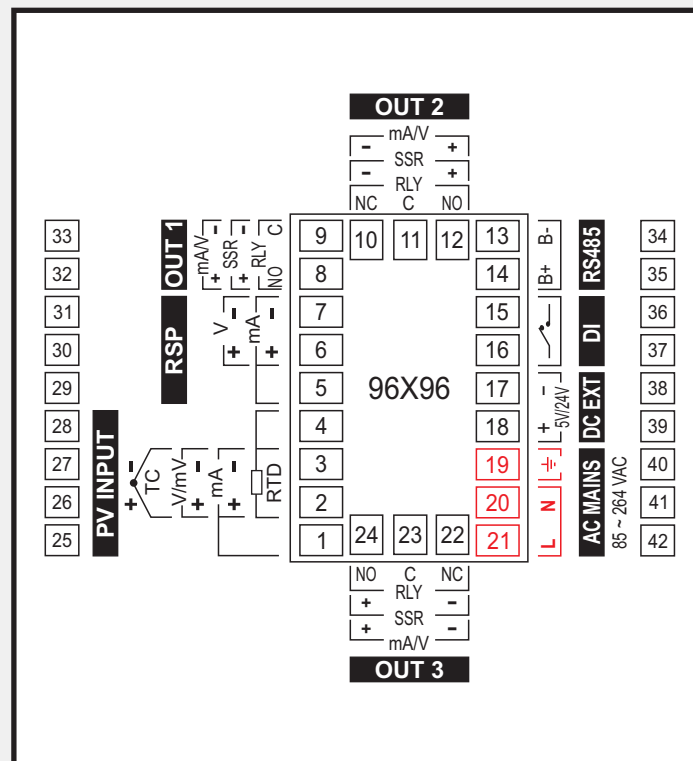
Output Type	Jumper Settings
Relay	Shorting Link A : Short Pins A1 & A4 Shorting Link B : Park
SSR Drive	Shorting Link A : Short Pins A3 & A4 Shorting Link B : Short Pins B2 & B3
DC Linear Current (or Voltage)	Shorting Link A : Short Pins A2 & A3 Shorting Link B : Short Pins B1 & B2

MOUNTING DETAILS

OUTPUT-3 MODULE

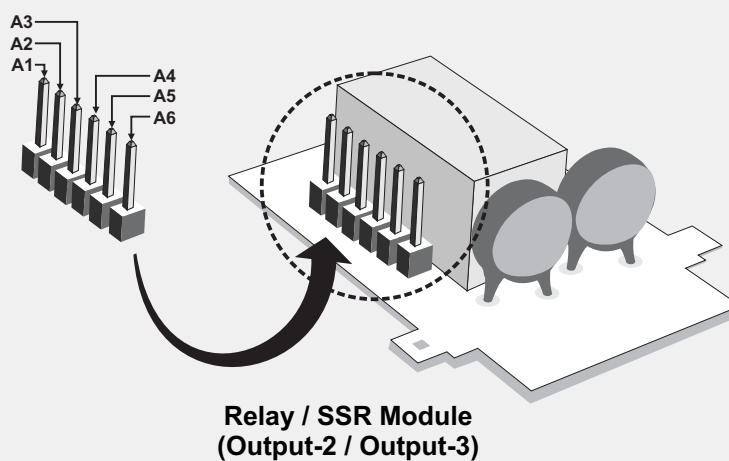


ELECTRICAL CONNECTIONS



JUMPER SETTINGS

OUTPUT-2 & 3

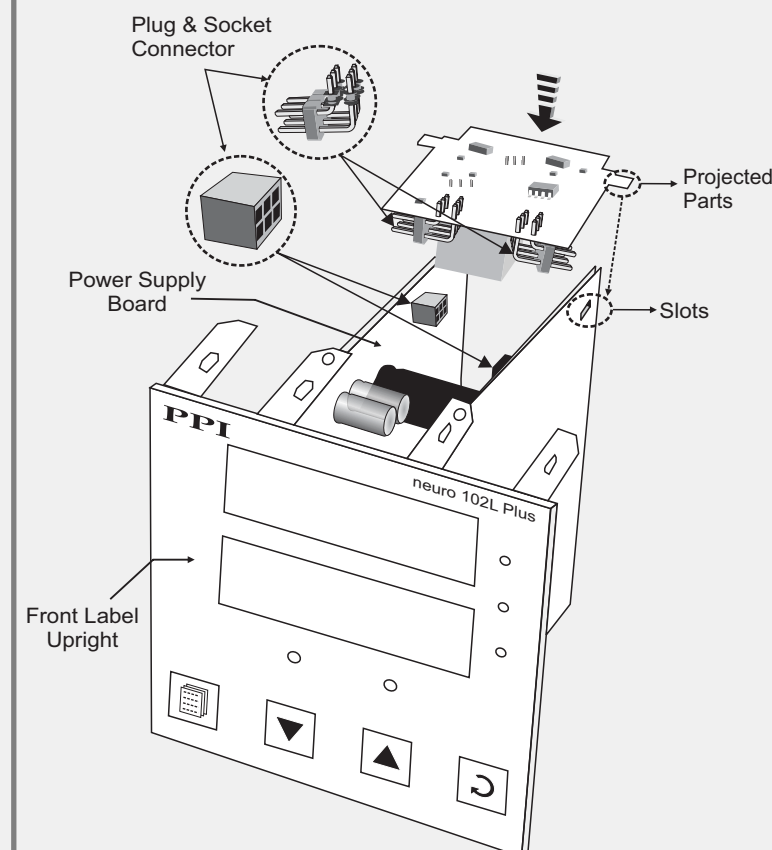


Relay / SSR Module (Output-2 / Output-3)

Output Type	Jumper Setting (Used 2 Short Links)
Relay	Short pins A2 & A3 and Short pins A5 & A6
SSR	Short pins A1 & A2 and Short pins A4 & A5

MOUNTING DETAILS

OUTPUT-2 MODULE



MOUNTING DETAILS

SERIAL COMM. MODULE

