

OPERATOR PAGE AND PARAMETERS : PAGE 0	
Parameters	Settings (Default Value)
Maximum PV Hi	View Only (Default : NA)
Minimum PV Lo	View Only (Default : NA)
Reset Command rSt	no No YES Yes (Default : No)
Reset Password CODE	0 to 250 (Default : 0)
Alarm-1 Setpoint ALSP	Throughout the range for the selected Input Type. (Default : For Process Low : -200.0 For Process High : 1376.0)
Alarm-2 Setpoint AL2SP	
Alarm-3 Setpoint AL3SP	
Alarm-4 Setpoint AL4SP	

ALARM PARAMETERS : PAGE 10	
Parameters	Settings (Default Value)
Alarm Number ALrn	1 to 4 (Default : 1)
Alarm Type TYPE	none None P_Lo Process Low P_Hi Process High (Default : None)
Alarm Setpoint SP	Min. to Max. of selected input type range (Default : For Process Low : -200.0 & Process High : 1376.0)
Alarm Hysteresis HYSt	<i>For DC Lin. Volts/Current</i> 1 to 30000 Counts <i>For Thermocouple/RTD</i> 1 to 3000 or 0.1 to 3000.0 (Default : 2.0)
Alarm Inhibit ihbt	no No YES Yes (Default : No)
Alarm Logic LOG	norm Normal rEv Reverse (Default : Normal)
Alarm Latch LACH	no No YES Yes (Default : No)

RETRANSMISSION PARAMETERS : PAGE 11	
Parameters	Settings (Default Value)
Recorder Output Type REC.O	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)
Recorder Low RECL	Min. to Max. Range specified for the selected Input Type (Default : -200.0)
Recorder High RECH	Min. to Max. Range specified for the selected Input Type (Default : 1376.0)

INPUT CONFIGURATION PARAMETERS : PAGE 12	
Parameters	Settings (Default Value)
Input Type inPt	Refer Table 2 (Default : Type K)
Resolution rSLn	Refer Table 2 (Default : 1)
Units Un it	Refer Table 1 (Default : EU)
DC Range Low rLo	-19999 to 30000 (Default : 0.0)
DC Range High rHi	-19999 to 30000 (Default : 100.0)
Offset OFSt	<i>For DC Lin. Volts/Current</i> -19999 to 30000 Counts <i>For Thermocouple/RTD</i> -1999 to 3000 or -1999.9 to 3000.0 (Default : 0)
Digital Filter F.Lt	0.5 to 60.0 Seconds (in steps of 0.5 Seconds) (Default : 2.0 sec.)

SUPERVISORY PARAMETERS : PAGE 13	
Parameters	Settings (Default Value)
Alarm SP Adjustment on Operator Page ALSP	dSbL Disable EnbL Enable (Default : Disable)
Remote Acknowledge Switch rnt	dSbL Disable EnbL Enable (Default : Disable)
Recorder REC	dSbL Disable EnbL Enable (Default : Disable)
Process Value High-Low Monitoring HiLo	no No YES Yes (Default : No)
Password for Resetting PV High-Low CODE	0 to 250 (Default : 0)
Baud Rate BAUD	48 4800 96 9600 192 19200 384 38400 576 57600 (Default : 9.6)
Parity PARi	none None Even Even Odd Odd (Default : Even)
Serial ID Number Id	1 to 127 (Default : 1)
Serial Write Permission ConE	no No YES Yes (Default : No)

USER LINEARISATION PARAMETERS : PAGE 33	
Parameters	Settings (Default Value)
User Linearization Setting Code CODE	0 to 9999 (Default : 0)
User Linearization UL in	no No YES Yes (Default : No)
Total Break Points PntS	2 to 32 (Default : 2)
Break Point Number Coor	1 to 32 (Default : 1)
Actual Value for Break Point (X co-ord) APnt	-19999 to 30000 (Default : Undefined)
Derived Value for Break Point (Y co-ord) dPnt	-19999 to 30000 (Default : Undefined)

TABLE- 1		
Lower Readout	Units	
°C	°C	Temperature
°F	°F	
°K	Kelvin	
EU	Engineering Units	
PERc	Percentage	
PPAS	Pascals	Pressure
nPPAS	Mpascals	
KPPAS	Kpascals	
BAR	Bar	
nBAR	Milli bar	
PSI	PSI	
PGCn	kg/sq cm	
nnyG	mm water gauge	Flow
inyG	Inches water gauge	
nnhG	mm mercury	
torr	Torr	
L-H	Litres per hour	
L-n	Litres per minute	
Prh	% Relative Humidity	
PO2	% O2	
PCO2	% CO2	
PCP	% Carbon Potential	Electricity
volt	volts	
AAp	Amps	
nA	Milli amps	
nV	Milli Volts	
Ohn	Ohms	
PPn	Parts per million	
rPn	Revolutions per pinute	

Lower Readout	Units	
n-S	Milli seconds	Time
SEC	Seconds	
n.n	Minutes	
hrS	Hours	
PH	PH	
PPH	%PH	
nPH	Miles per hour	
nG	Milli grams	Weight
Gra	Grams	
KG	Kilo grams	
nnter	mm (Millimeter)	Length / Height / Distance
cnter	cm (Centimeter)	
nter	Meter	
Knter	Kilometer	
Foot	Foot	
inch	Inch	
nile	Mile	

TABLE- 2		
Option	Range (Min. to Max.)	Resolution
EC-U J Type T/C	0 to +960°C / +32 to +1760°F	Fixed 1°C / 1°F
EC-K K Type T/C	-200 to +1376°C / -328 to +2508°F	
EC-T T Type T/C	-200 to +385°C / -328 to +725°F	
EC-R R Type T/C	0 to +1770°C / +32 to +3218°F	
EC-S S Type T/C	0 to +1765°C / +32 to +3209°F	
EC-B B Type T/C	0 to +1825°C / +32 to +3218°F	
EC-N N Type T/C	0 to +1300°C / +32 to +2372°F	
RESu	Reserved for customer specific Thermocouple type not listed above.	User settable 1°C / 1°F or 0.1°C / 0.1°F
rtD RTD Pt100	-199 to +600°C / -328 to +1112°F or -199.9 to 600.0°C / -328.0 to 1112.0°F	
0-20 0 to 20mA DC	-19999 to +30000 units	User settable 1 / 0.1 / 0.01/ 0.001 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		
100 0 to 10.0V DC		
1-5 1 to 5.0V DC		

neuro 100 EX

PPI

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Upper Readout

Lower Readout

AL1

AL2

AL3

AL4

Alarm-1 Status

Alarm-2 Status

Alarm-3 Status

Alarm-4 Status

ACK

OPR

Alarm Acknowledge Key

Operator Key

Page Key

Enter Key

Down Key

Up 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.
	ALARM ACKNOWLEDGE	Press to acknowledge any pending Alarm(s).This also turns-off the Alarm relay.
	OPERATOR PAGE	Press to access 'Operator-Page' parameters. <i>(The parameters are listed and described in section 2 : Basic Operations)</i>

PV Error Indications

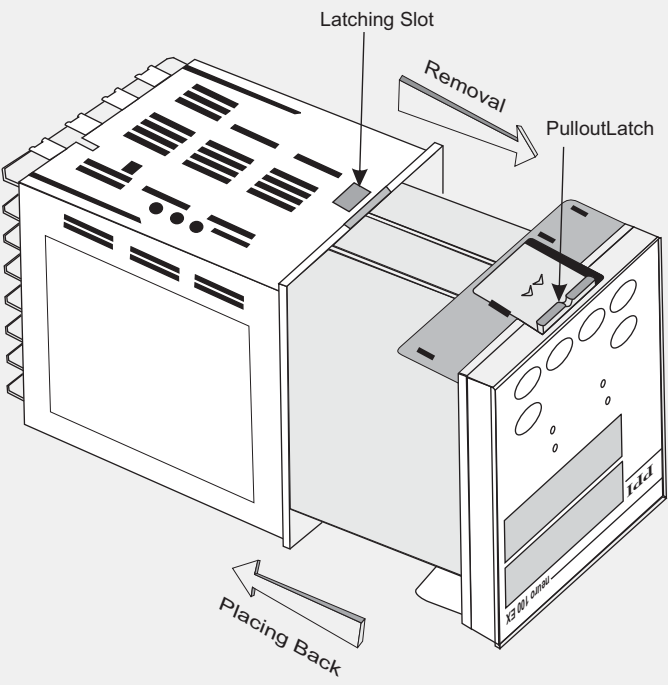
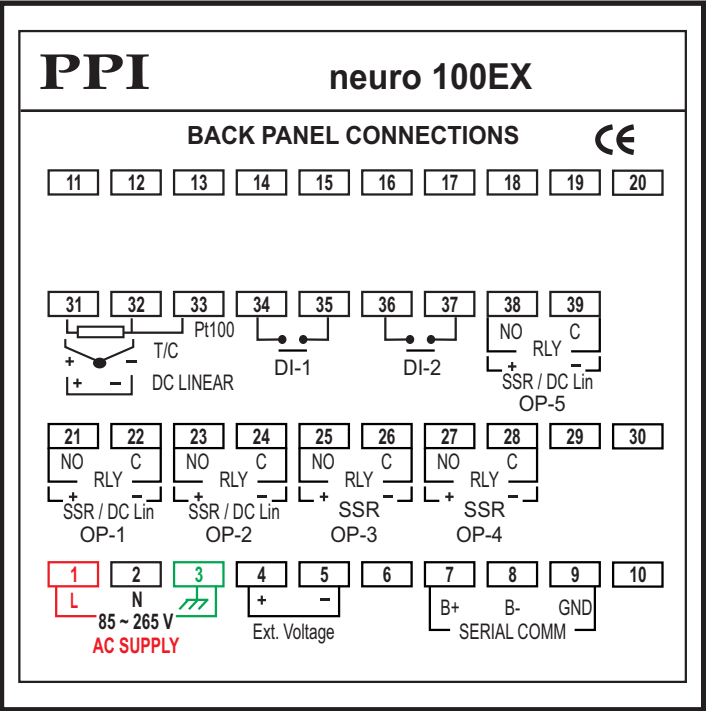
Message	PV Error Type
Or	Over-range (PV above Max. Range)
Ur	Under-range (PV below Min. Range)
OPEN	Open (Sensor open / broken)

ELECTRICAL CONNECTIONS

ENCLOSURE ASSEMBLY

JUMPER SETTINGS
OUTPUT-2,3,4 & 5 MODULE

MOUNTING DETAILS
OUTPUT-2,3,4 & 5 MODULE



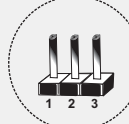
Relay / SSR Module

Jumper Setting 'A' - Viewed facing module



Jumper Setting-A

Jumper Setting 'B' - Viewed facing module

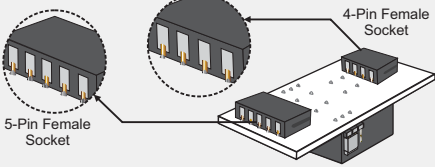


Jumper Setting-B

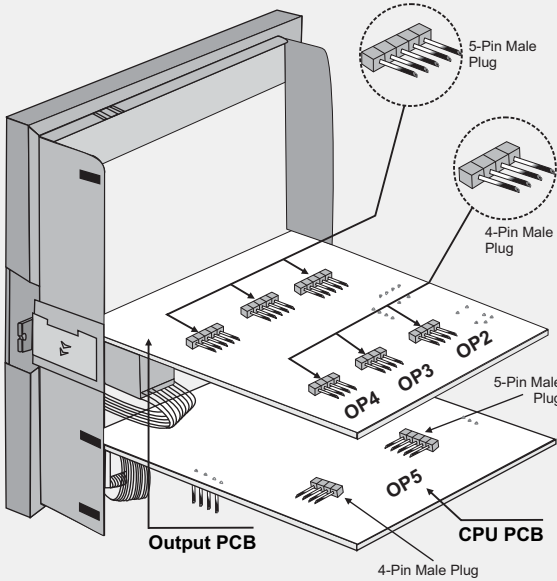
Output Type	Jumper Setting - A	Jumper Setting - B
Relay		
SSR		



DC Voltage/Current Module

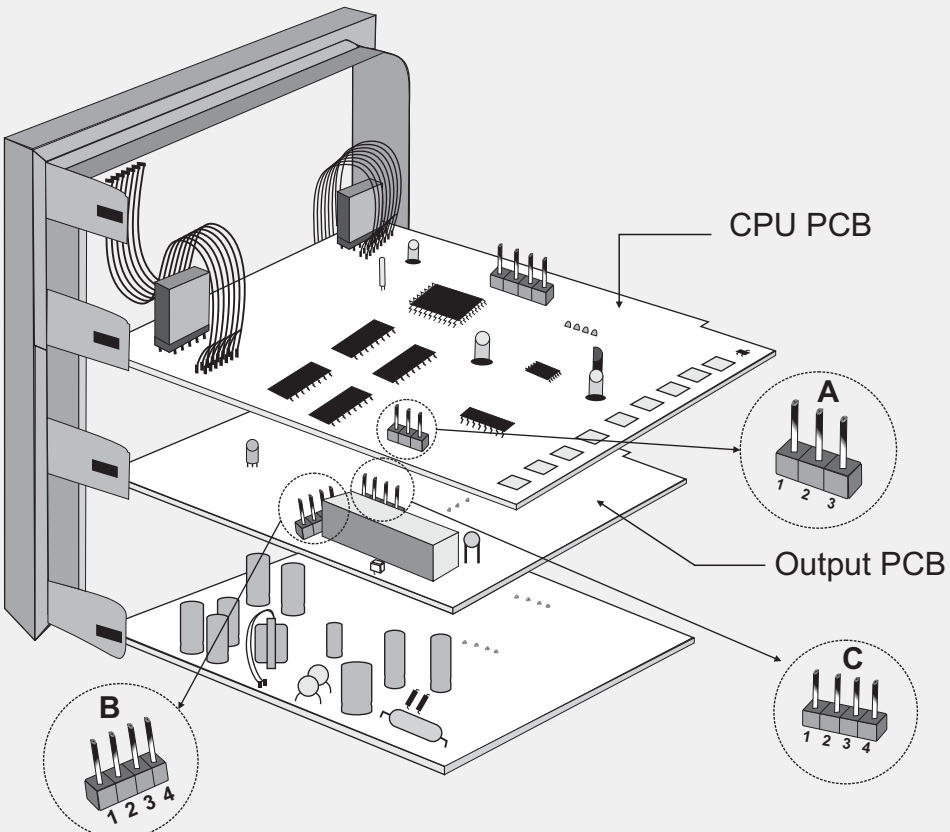


Relay/SSR Module - Bottom View



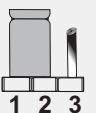
JUMPER SETTINGS
INPUT & OUTPUT-1

MOUNTING DETAILS
SERIAL COMM. MODULE



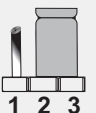
INPUT

(a)



For Input Types:
Thermocouples, RTD Pt100,
mV & V

(b)



For Input Types:
DC Linear Current (mA)

OUTPUT-1

Output Type	Jumper Setting - B	Jumper Setting - C
Relay		
SSR Drive		

