

CONFIGURATION PARAMETERS : PAGE 12																											
Parameters	Settings (Default Value)																										
Actual Numbers of Channels to Scan <b>SnCH</b>	1 to Max. Available (Default : 8 or 16)																										
Sensor-break PV Status <b>SbrP</b>	<b>UP</b> Up Scale <b>dn</b> Down Scale (Default : Up Scale)																										
Common Input Configurations <b>LinC</b>	<b>no</b> No <b>YES</b> Yes (Default : Yes)																										
Select Channel for Configuration <b>CHARn</b>	1 to Actual no. of channels to scan (Default : 1)																										
Input Type <b>inpT</b>	Refer Table 2 (Default : Type K)																										
Resolution <b>rSLn</b>	Refer Table 2 (Default : 0.1)																										
PV Units <b>Unit</b>	Refer Table 1 (Default : °C)																										
Signal Low <b>SLo</b>	<table border="1"> <thead> <tr> <th>Input Type</th> <th>Settings</th> <th>Default</th> </tr> </thead> <tbody> <tr> <td>0 to 20 mA</td> <td>0.00 to Signal High</td> <td>0.00</td> </tr> <tr> <td>4 to 20 mA</td> <td>4.00 to Signal High</td> <td>4.00</td> </tr> <tr> <td>0 to 80 mV</td> <td>0.00 to Signal High</td> <td>0.00</td> </tr> <tr> <td>0 to 1.25 V</td> <td>0.000 to Signal High</td> <td>0.000</td> </tr> <tr> <td>0 to 5 V</td> <td>0.000 to Signal High</td> <td>0.000</td> </tr> <tr> <td>0 to 10 V</td> <td>0.00 to Signal High</td> <td>0.00</td> </tr> <tr> <td>1 to 5 V</td> <td>1.000 to Signal High</td> <td>1.000</td> </tr> </tbody> </table>	Input Type	Settings	Default	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	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		
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DC Range Low <b>rLo</b>	-1999.9 to 3000.0 (Default : 0.0)																										
DC Range High <b>rHi</b>	-1999.9 to 3000.0 (Default : 100.0)																										
Bottom Clipping Enable <b>bCE</b>	<b>dSbL</b> Disable <b>EnbL</b> Enable (Default : Disable)																										
Bottom Clipping <b>bCLP</b>	-19999 to Top Clipping (Default : 0)																										

Parameters	Settings (Default Value)
Top Clipping Enable <b>tCE</b>	<b>dSbL</b> Disable <b>EnbL</b> Enable (Default : Disable)
Top Clipping <b>tCLP</b>	Bottom Clipping to 30000 (Default : 1000)
Offset <b>OFSt</b>	-1999.9 to 3000.0 (Default : 0.0)

ALARM CONFIGURATION PARAMETERS : PAGE 11	
No. of Alarms/Channel <b>ALCH</b>	1 to 4 (Default : 4)
Select Relay Number <b>rLY</b>	For COMMON Relay O/P 1 to No. of Alarms/channel (Max. 4)  For INDIVIDUAL Relay O/P 1 to No. of Channels (Max. 16) (Default : NA)
Relay Logic <b>rLLo</b>	<b>norm</b> Normal <b>rEw</b> Reverse (Default : Normal)
Relay Latch <b>rLLt</b>	<b>no</b> No <b>YES</b> Yes (Default : No)

ALARM SETTING PARAMETERS : PAGE 10	
Channel Number <b>CHARn</b>	1 to Max. Channels (Default : NA)
Alarm Number <b>ALrñ</b>	1 to User Selected Alarm (Default : NA)
Alarm Type <b>tYPE</b>	<b>none</b> None <b>P.Lo</b> Process Low <b>P.Hi</b> Process High (Default : None)
Alarm Setpoint <b>SP</b>	Min. to Max. of selected input type range (Default : 0)
Alarm Hysteresis <b>HYSt</b>	0.1 to 3000.0 (Default : 2.0)
Alarm Inhibit <b>ihbt</b>	<b>no</b> No <b>YES</b> Yes (Default : No)

OPERATOR PARAMETERS : PAGE 0	
Parameters	Settings (Default Value)
Scan Rate <b>rAtE</b>	1 Sec. to 99 Sec. (Default : 3 Sec.)
Reset Command <b>rSt</b>	<b>no</b> No <b>YES</b> Yes (Default : No)
Channel Number <b>CHARn</b>	1 to Actual no. of channels to scan (Default : 1)
Maximum PV <b>Hi</b>	View Only (Default : NA)
Minimum PV <b>Lo</b>	View Only (Default : NA)

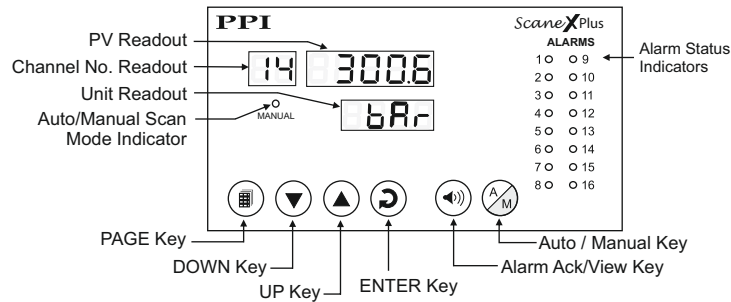
SUPERVISORY PARAMETERS : PAGE 13	
Parameters	Settings (Default Value)
Baud Rate <b>BAUD</b>	<b>2.4</b> 2400 <b>4.8</b> 4800 <b>9.6</b> 9600 <b>19.2</b> 19200 <b>38.4</b> 38400 <b>57.6</b> 57600 (Default : 9600)
Parity <b>PARi</b>	<b>nOnE</b> None <b>EvEn</b> Even <b>Odd</b> Odd (Default : Even)
Serial ID <b>Id</b>	1 to 247 (Default : 1)
Serial Delay <b>SdLY</b>	0 to 90 mS In Steps of 10 mS (Default : 0 mS)
Serial Write Permission <b>CoñE</b>	<b>no</b> No <b>YES</b> Yes (Default : No)

TABLE- 1	
Unit Readout	Units
<b>oC</b>	°C
<b>oF</b>	°F
<b>oP</b>	Kelvin
<b>EU</b>	Engineering Units
<b>PERc</b>	Percentage
<b>PaS</b>	Pascals
<b>mPaS</b>	Mpascals
<b>kPaS</b>	Kpascals
<b>bAR</b>	Bar
<b>mBAR</b>	Milli bar
<b>PSi</b>	PSI
<b>PUCm</b>	kg/sq cm
<b>mmWG</b>	mm water gauge
<b>inWG</b>	Inches water gauge
<b>mmHg</b>	mm mercury
<b>Torr</b>	Torr
<b>L-H</b>	Liters per hour
<b>L-m</b>	Liters per minute
<b>PH</b>	% Relative Humidity
<b>PO2</b>	% O <sub>2</sub>
<b>PCO2</b>	% CO <sub>2</sub>
<b>PCP</b>	% Carbon Potential
<b>volt</b>	volts
<b>AMP</b>	Amps
<b>mA</b>	Milli amps
<b>mV</b>	Milli Volts
<b>Ohm</b>	Ohms
<b>PPm</b>	Parts per million
<b>rPm</b>	Revolutions per pinute
<b>m-S</b>	Milli seconds
<b>SEC</b>	Seconds
<b>m</b>	Minutes
<b>hrS</b>	Hours
<b>PH</b>	PH
<b>%PH</b>	%PH
<b>mPH</b>	Miles per hour
<b>mg</b>	Milli grams
<b>GRm</b>	Grams
<b>KG</b>	Kilo grams

TABLE- 2		
Option	Range (Min. to Max.)	Resolution
<b>tC-U</b> J Type T/C	0.0 to +960.0°C / +32.0 to +1760.0°F	1 °C/°F or 0.1 °C/°F
<b>tC-H</b> K Type T/C	-200.0 to +1376.0°C / -328.0 to +2508.0°F	
<b>tC-t</b> T Type T/C	-200.0 to +387.0°C / -328.0 to +728.0°F	
<b>tC-r</b> R Type T/C	0.0 to +1771.0°C / +32.0 to +3219.0°F	
<b>tC-S</b> S Type T/C	0.0 to +1768.0°C / +32.0 to +3214.0°F	
<b>tC-b</b> B Type T/C	0.0 to +1826.0°C / +32.0 to +3218.0°F	
<b>tC-n</b> N Type T/C	0.0 to +1314.0°C / +32.0 to +2397.0°F	
<b>rESu</b>	Reserved for customer specific Thermocouple type not listed above. The type shall be specified in accordance with the ordered (optional on request) Thermocouple type.	
<b>rtd</b> 3-wire, RTD Pt100	-199 to +600°C / -328 to +1112°F or -199.9 to +600.0°C / -328.0 to +1112.0°F	
<b>0-20</b> 0 to 20mA DC current		
<b>4-20</b> 4 to 20mA DC current		
<b>0080</b> 0 to 80mV DC voltage		
<b>rESu</b> Reserved		
<b>1.25</b> 0 to 1.25V DC voltage	-19999 to 30000 units	
<b>5.0</b> 0 to 5.0V DC voltage		
<b>10.0</b> 0 to 10.0V DC voltage		
<b>1-5</b> 1 to 5.0V DC voltage		

# FRONT PANEL LAYOUT

## Front Panel



## Keys Operation

Symbol	Key	Function
	PAGE	Press to enter / exit Set-up Mode
	DOWN	Press to decrease the parameter value. Pressing once decreases the value by one count; holding the key pressed speeds up the change.
	UP	Press to increase the parameter value. Pressing once increases the value by one count; holding the key pressed speeds up the change.
	ENTER	Press to store the set parameter value and to scroll to the next parameter.
	ALARM ACK/VIEW	Press to Acknowledge any pending Alarm(s) and to View details of the channels under Alarm.
	AUTO / MANUAL	Press to toggle between Auto and Manual Scan Mode. In Manual Scan Mode, Use UP / DOWN keys to the desired channel.

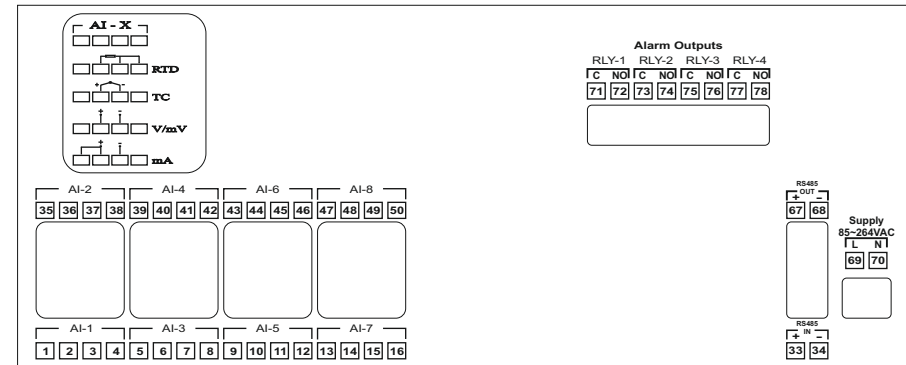
## PV Error Indications

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

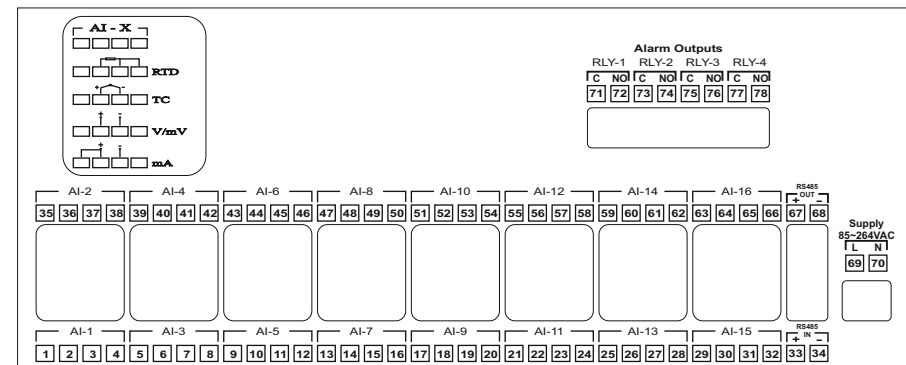
# ELECTRICAL CONNECTIONS

## Old Connections Version

### 8 Channel



### 16 Channel



## New Connections Version

