



PPI Scanex Programmable Multi Channel Temperature Scanner Instruction Manual

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CONFIGURATION PARAMETERS

Parameters	Settings (Default Value)
Actual Numbers of Channels to Scan 	1 to Max. Available (Default : 4/8/12/16)
Sensor-break PV Status 	Up Scale  Down Scale  (Default : Up Scale)

Common Input
Configurations



No



Yes



(Default : Yes)

Select Channel for
Input Configuration



1 to Actual no. of
channels to scan
(Default : NA)

Input Type



Refer Table 1
(Default : Type K)

Resolution



1 or 0.1
(Default : 1)

Temperature Units 	°C  °F  (Default : °C)
Offset 	1999 / 3000 or -1999.9 / 3000.0 (Default : 0)

ALARM CONFIGURATION PARAMETERS

Parameters	Settings (Default Value)
Number of Alarms Per Channel 	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)
Select Output Relay Number 	Normal Reverse (Default : Normal)
Relay Latch 	No  Yes  (Default : No)

ALARM SETTING PARAMETERS

Parameters	Settings (Default Value)
Channel Number 	1 to Max. Channels (Default : NA)

Alarm Number	1 to User Selected Alarm (Default : NA)
Alarm Type	None Process Low Process High (Default : None)
Alarm Setpoint	Min. to Max. of selected input type range (Default : 0)
Alarm Hysteresis	1 to 3000 or 0.1 to 3000.0 (Default : 2 or 2.0)

Alarm Inhibit 	No  Yes (Default : No) 
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UTILITY PARAMETERS

Parameters	Settings (Default Value)
Enable Min/max Monitoring 	No  Yes (Default : No) 
Password For Resetting Min/max Values 	0 to 250 (Default : 0)

Baud Rate

baud

4800

4.8

9600

9.6

19200

19.2

38400

38.4

57600
(Default : 9600)

57.6

Parity

Par.

None

none

Even Odd

Even

Default : Even

Odd

Serial Id 	1 to 127 (Default : 1)
Serial Write Permission 	No  Yes (Default : No) 

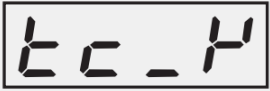
OPERATOR PARAMETERS

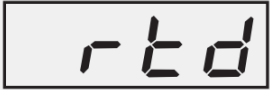
Parameters	Settings (Default Value)
Alarm Acknowledge 	No  Yes (Default : NA) 
Scan Rate 	1 Sec. to 99 Sec. (Default : 3 Sec.)
Maximum PV 	View Only (Default : NA)

Minimum PV 	View Only (Default : NA)
Reset Command 	No  Yes (Default : NA) 
Reset Command 	0 to 250 (Default : 0)

TABLE- 1

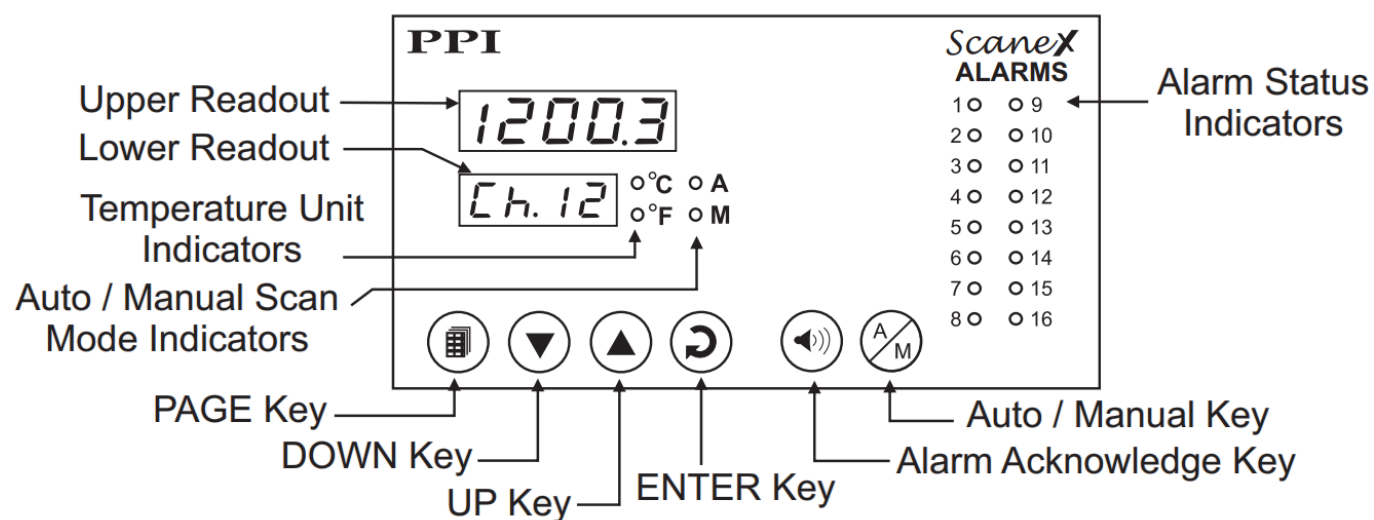
Option	What it means	Range (Min. to Max.)
	Type J Thermocouple	0.0 to + 960.0°C / 32.0 to +1760.0°F

	Type K Thermocouple	-200.0 to + 1376.0°C / -328.0 to + 2508.0°F
	Type T Thermocouple	-200.0 to + 387.0°C / -328.0 to + 728.6°F
	Type R Thermocouple	0.0 to + 1771.0°C / 32.0 to + 3219.0°F
	Type S Thermocouple	0.0 to + 1768.0°C / 32.0 to + 3214.0°F
	Type B Thermocouple	0.0 to + 1826.0°C / 32.0 to +3218.0°F

	Type N Thermocouple	0.0 to + 1314.0°C / 32.0 to +2397.0°F
	Reserved for custom use (Default Type J)	Reserved for custom use
	3-wire, RTD Pt100	-200.0 to + 600.0°C / -328.0 to +1112.0°F

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.

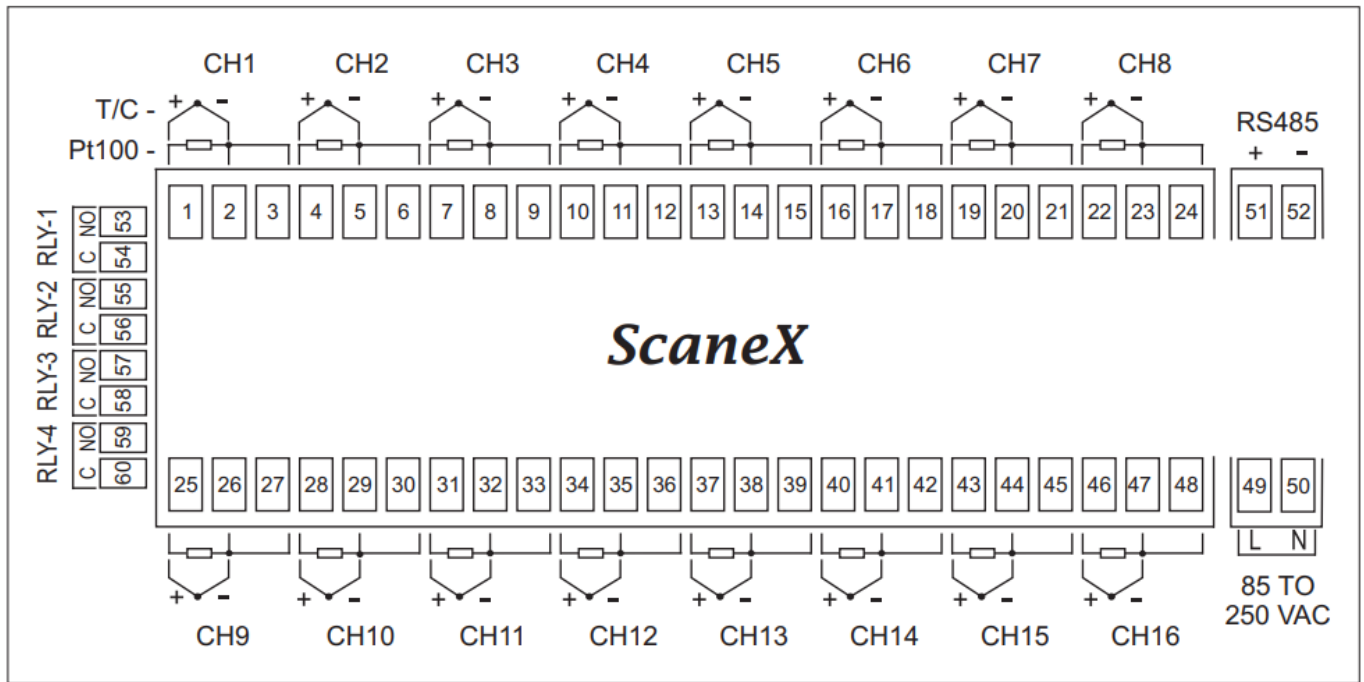
	ALARM ACK	Press to Acknowledge any pending Alarm(s)
	AUTO / MANUAL	Press to toggle between Auto and Manual Scan Mode. In Manual Scan Mode, Use UP / DOWN keys to the desired channel.

PV Error Indications

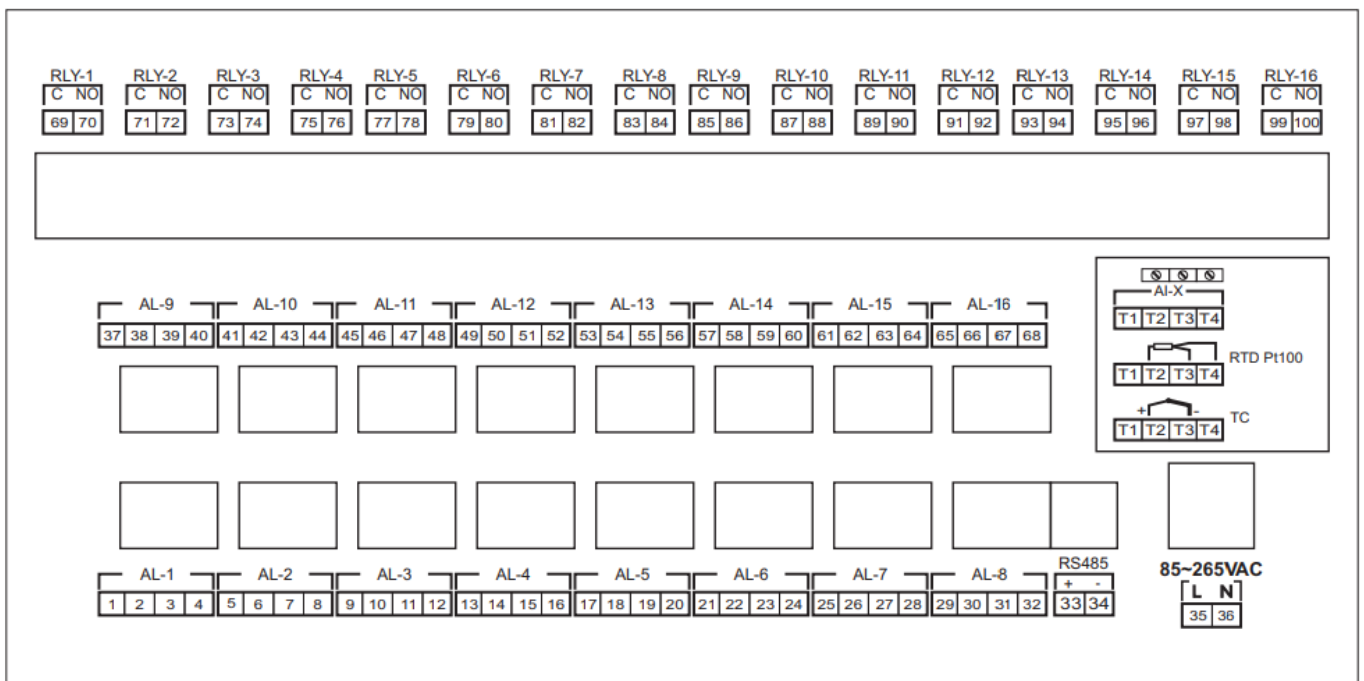
Message	PV Error Type
	Over-range (PV above Max. Range)
	Under-range (PV below Min. Range)
	Open (Sensor open / broken)

ELECTRICAL CONNECTIONS

Old Connections Version



New Connections Version



101, Diamond Industrial Estate, Navghar,
Vasai Road (E), Dist. Palghar – 401 210.
Sales : 8208199048 / 8208141446
Support : 07498799226 / 08767395333
E: sales@ppiindia.net, support@ppiindia.net

PPI

Documents / Resources

	PPI ScaneX Programmable Multi Channel Temperature Scanner [pdf] Instruction Manual ScaneX, ScaneX Programmable Multi Channel Temperature Scanner, Programmable Multi Channel Temperature Scanner, Multi Channel Temperature Scanner, Temperature Scanner
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References

- [Factory Automation Products India | Automation Solutions in India](#)