



PPI Inde + Advanced Temperature Indicator with Alarm Instruction Manual

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PPI Inde + Advanced Temperature Indicator with Alarm



The Inde+ Advanced Temperature Indicator with Alarms is a device used for measuring temperature and providing alarms. It has various input/output configuration parameters, alarm parameters, and operator parameters that can be set by the user. The device has a front panel layout with keys for operation and a display for readout. The device also has electrical connections for output-1 SSR, output-2 relay, and input T/C Pt100.

Product Usage Instructions

To use the Inde+ Advanced Temperature Indicator with Alarms, follow the below steps:

1. Connect the device to the power supply of LN 85~265V AC.
2. Connect the input T/C Pt100 to the device.
3. Set the input type by referring to Table 1 and selecting the appropriate type (default: Type K).
4. Set the offset for measured temperature within the range of -1999 to 9999 or -199.9 to 999.9 (default: 0).
5. Set the digital filter for PV within the range of 0.5 to 25.0 seconds (in steps of 0.5 seconds) (default: 1.0).
6. Set the alarm parameters by selecting the alarm type (none, process low, process high), alarm hysteresis (1 to 999), and alarm logic (normal/reverse) for alarm-1 and alarm-2.
7. Set the PV min/max parameters by selecting whether to reset the min/max process value and whether to view the maximum and minimum process value.
8. Set the operator parameters by setting the alarm-1 setpoint and alarm-2 setpoint within the minimum to maximum range specified for the selected input type.
9. Use the PAGE, ENTER, DOWN, and UP keys to navigate and set the parameters.
10. View the readout on the display.

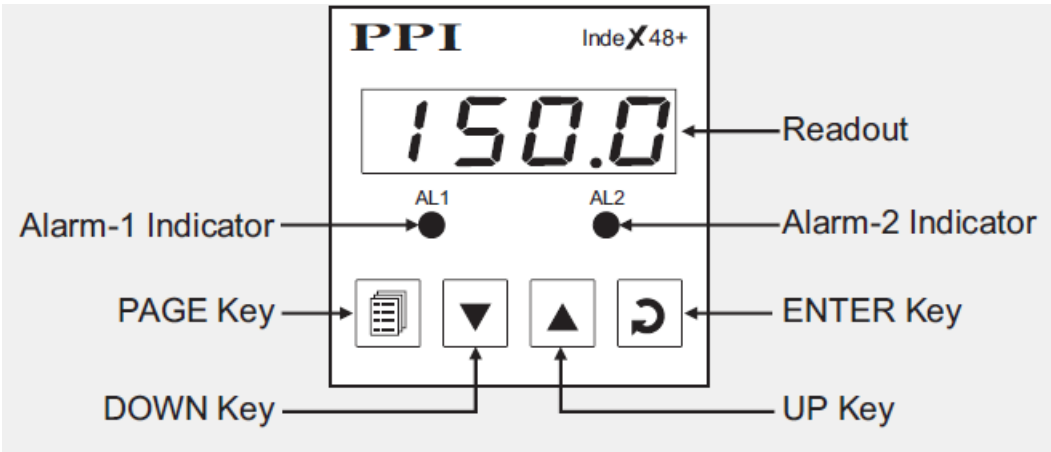
The device also provides PV error indications in case of over-range (PV above max. range), under-range (PV below min. range), or open (thermocouple/RTD broken).

For more details on operation and application, please log on to www.ppiindia.net.

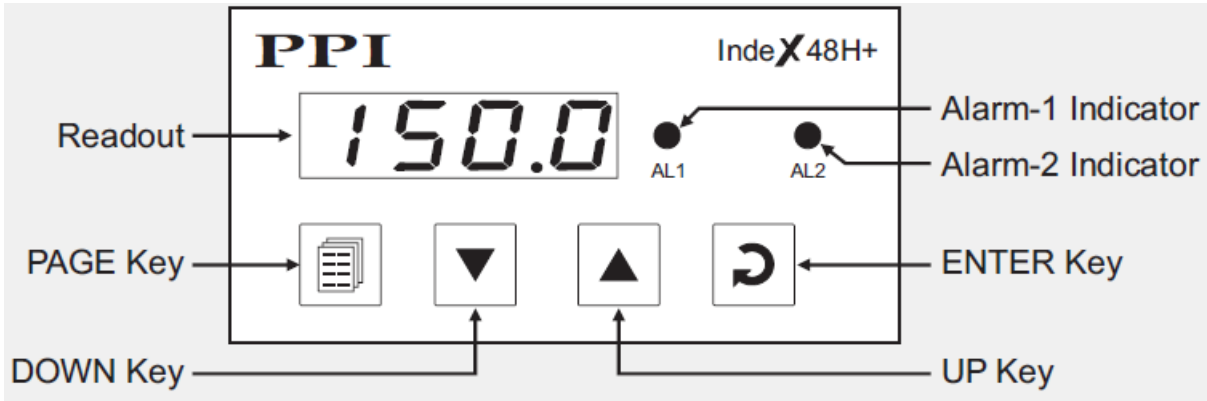
This brief manual is primarily meant for quick reference to wiring connections and parameter searching. For more details on operation and application; please log on to www.ppiindia.net.

FRONT PANEL LAYOUT

INDEX48+/INDEX72+/INDEX96+



INDEX48H+



INPUT/OUTPUT CONFIGURATION PARAMETERS:

INPUT / OUTPUT CONFIGURATION PARAMETERS : PAGE-12	
Parameters	Settings (Default Value)
Input Type InPt	Refer Table 1 (Default : Type K)
Offset For Measured Temperature OFSt	-1999 to 9999 or -199.9 to 999.9 (Default : 0)
Digital Filter For Pv F.Lt	0.5 to 25.0 Seconds (in steps of 0.5 Seconds) (Default : 1.0)

PV MIN/MAX PARAMETERS:

PV MIN / MAX PARAMETERS : PAGE-1	
Parameters	Settings (Default Value)
Maximum Process Value H₁	View Only
Minimum Process Value L₀	View Only
Reset Min / Max Process Value rSt	YES Yes no No (Default : Yes)

ALARM PARAMETERS:

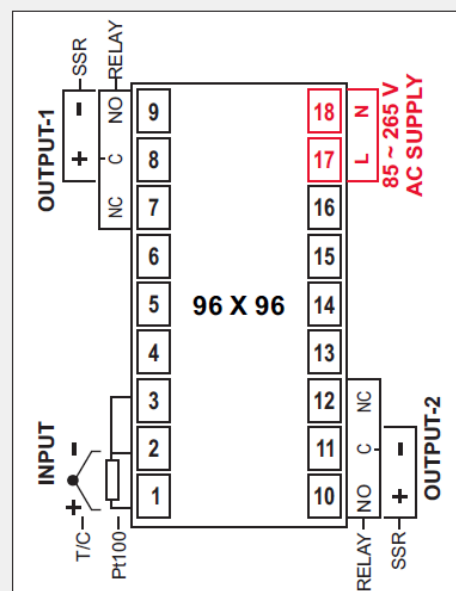
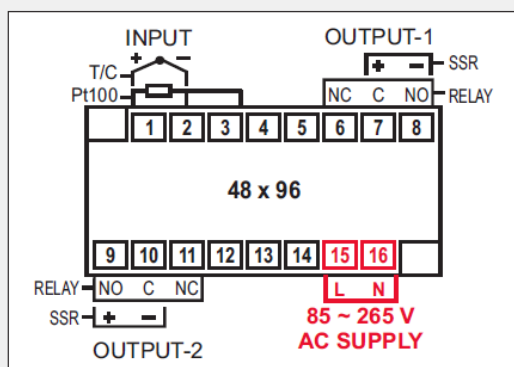
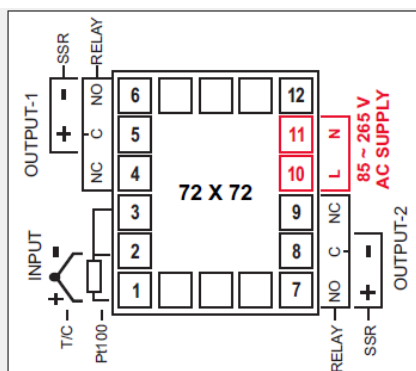
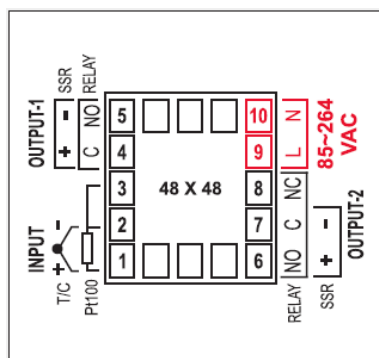
ALARM PARAMETERS : PAGE-11	
Parameters	Settings (Default Value)
Alarm-1 Type A1CL Alarm-2 Type A2CL	none None P_Lo Process Low P_H₁ Process High (Default : None)
Alarm-1 Hysteresis A1HY Alarm-2 Hysteresis A2HY	1 to 999 (Default : 2)
Alarm-1 Logic A1LG Alarm-2 Logic A2LG	nor$\bar{n}$ Normal rEu Reverse (Default : Normal)
Alarm-1 Inhibit A1, h Alarm-2 Inhibit A2, h	YES Yes no No (Default : Yes)

OPERATOR PARAMETERS:

OPERATOR PARAMETERS : PAGE-0	
Parameters	Settings (Default Value)
Alarm-1 Setpoint A 1.5P	Minimum to Maximum Range specified for the selected Input type
Alarm-2 Setpoint A 2.5P	

TABLE 1			
Option	What it means	Range (Min. to Max.)	Resolution
t c _ J	Type J Thermocouple	0 to +960°C	1
t c _ K	Type K Thermocouple	-200 to +1375°C	1
r t d	3-wire, RTD Pt100	-199 to +600°C	1
r t d . 1	3-wire, RTD Pt100	-199.9 to +600.0°C	0.1

ELECTRICAL CONNECTIONS



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; holding pressed speeds up the change.
	UP	Press to increase the parameter value. Pressing once increases the value by one count; holding 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 (Thermocouple / RTD broken)

Contact Information

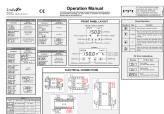
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Documents / Resources

	PPI Inde + Advanced Temperature Indicator with Alarm [pdf] Instruction Manual INDEX48, INDEX72, INDEX96, Inde Advanced Temperature Indicator with Alarm, Advanced Temperature Indicator with Alarm, Temperature Indicator with Alarm, Indicator with Alarm
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References

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