



PPI HumiTherm-i Temperature Humidity Indicator Instruction Manual

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PPI

Huma Thermic

Composite Temperature + Humidity Indicator

Version : RTD Pt100, 3-wire for Temperature

DC Linear (Voltage) for Humidity

Operation Manual

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Huma Thermic Temperature Humidity Indicator

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

ALARM PARAMETERS FOR TEMPERATURE: PAGE-10

Parameters	Settings (Default Value)
TYPE Temperature Alarm Type	none None P_Lo Process Low P_Hi Process High (Default : None)
AL.SP Temperature Alarm Setpoint	-50.0 to 150.0°C or -58.0 to 302.0°F (Default : For Process Low : -50.0 For Process High : 150.0)
AL.HY Temperature Alarm Hysteresis	0.1 to 25.0 °C or °F (Default : 0.2)
AL.LG Temperature Alarm Logic	dir Direct rev Reverse (Default : Direct)
AL.IH Temperature Alarm Inhibit	no No yes Yes (Default : Yes)

ALARM PARAMETERS FOR RELATIVE HUMIDITY: PAGE-11

Parameters	Settings (Default Value)
Alarm Type TYPE	none None P_Lo Process Low P_Hi Process High (Default : None)
%RH Alarm Setpoint AL.SP	0.0 to 100.0% (Default : For Process Low : 0.0 For Process High : 100.0)
%RH Alarm Hysteresis AL.HY	0.1 to 25.0% (Default : 0.2)
%RH Alarm Logic AL.LG	dir Direct rev Reverse (Default : Direct)
%RH Alarm Inhibit AL.IH	no No yes Yes (Default : Yes)

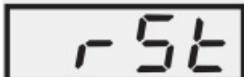
ZERO-OFFSET PARAMETERS: PAGE-12

Parameters	Settings (Default Value)
Zero Offset for Temp. Value db.of	-25.0 to +25.0°C (Default : 0.0)
Zero Offset for %RH Value rh.of	-25.0 to +25.0% (Default : 0.0)

SUPERVISORY PARAMETERS: PAGE-13

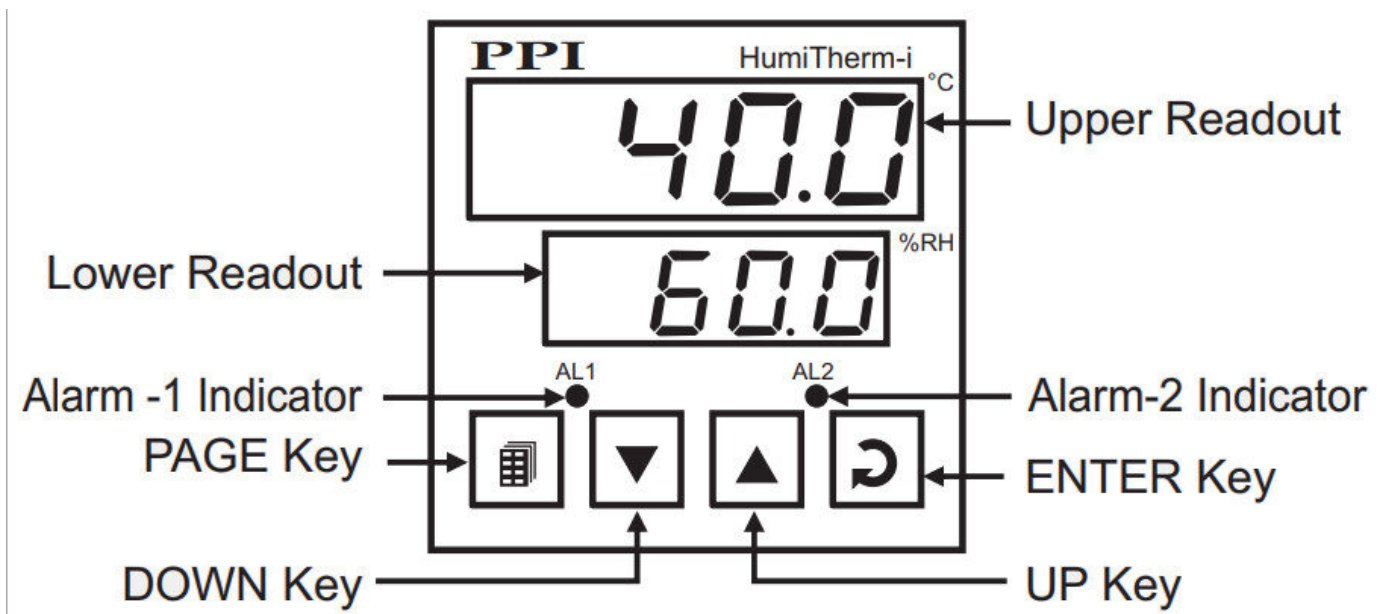
Parameters	Settings (Default Value)
Unit Selection for Temperature	°C °F (Default : °C)
Dry-Bulb Temperature and % RH Min / Max Monitoring	No Yes (Default : No)
Password For Resetting PV High – Low	0 to 250 (Default : 0)
Baud Rate	 (Default : 4800)
ID Number for Temperature Loop	1 to 8 (Default : 1)
ID Number for RH Loop	1 to 8 (Default : 2)

OPERATOR PAGE AND PARAMETERS : PAGE – 0

Parameters	Settings (Default Value)
 Maximum Dry Bulb Temperature Value	View Only
 Minimum Dry – Bulb Temperature Value	View Only
 Maximum %RH Value	View Only
 Minimum Peak of RH	View Only
 Reset Command	 No  Yes (Default : No)
 Reset Pass – Code	0 to 250 (Default : 0)

FRONT PANEL LAYOUT

Front Panel

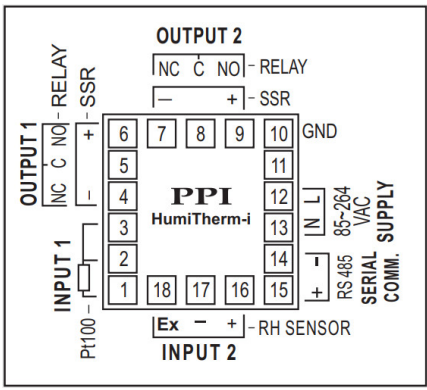
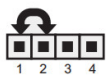
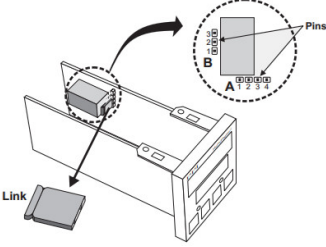
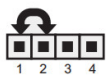
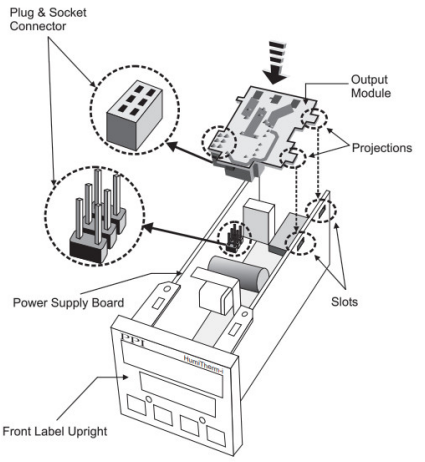
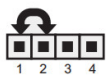
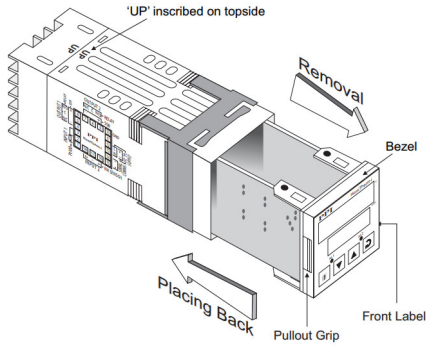
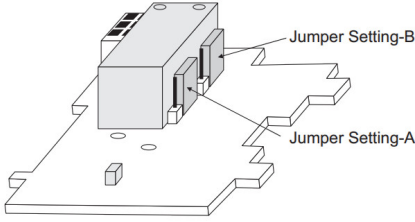
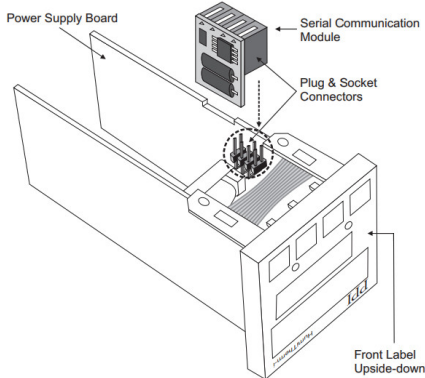


Keys Operation

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 (Dry-Bulb Temp. above Max. Range)
	Under-range (Dry-Bulb Temp. below Min. Range)
	Open (Sensor open / broken)

ELECTRICAL CONNECTIONS	JUMPER SETTINGS OUTPUT-1	MOUNTING DETAILS OUTPUT-2 MODULE									
	<table border="1" data-bbox="584 192 1003 427"> <thead> <tr> <th>Output Type</th><th>Jumper Setting - A</th><th>Jumper Setting - B</th></tr> </thead> <tbody> <tr> <td>Relay</td><td></td><td></td></tr> <tr> <td>SSR Voltage Pulses</td><td></td><td></td></tr> </tbody> </table> 	Output Type	Jumper Setting - A	Jumper Setting - B	Relay			SSR Voltage Pulses			
Output Type	Jumper Setting - A	Jumper Setting - B									
Relay											
SSR Voltage Pulses											
ENCLOSURE ASSEMBLY	JUMPER SETTINGS OUTPUT-2	MOUNTING DETAILS SERIAL COMM. MODULE									
	<table border="1" data-bbox="611 810 979 983"> <thead> <tr> <th>Output Type</th><th>Jumper Setting - A</th><th>Jumper Setting - B</th></tr> </thead> <tbody> <tr> <td>Relay</td><td></td><td></td></tr> <tr> <td>SSR Voltage Pulses</td><td></td><td></td></tr> </tbody> </table> 	Output Type	Jumper Setting - A	Jumper Setting - B	Relay			SSR Voltage Pulses			
Output Type	Jumper Setting - A	Jumper Setting - B									
Relay											
SSR Voltage Pulses											

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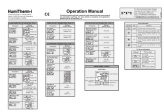
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Documents / Resources

	PPI HumiTherm-i Temperature Humidity Indicator [pdf] Instruction Manual HumiTherm-i, HumiTherm-i Temperature Humidity Indicator, Temperature Humidity Indicator, Humidity Indicator
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References

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

