



PPI HumiTherm Plus Recording Plus Printer Interface Instruction Manual

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PPI HumiTherm Plus Recording Plus Printer Interface



OPERATOR PAGE PARAMETERS

OPERATOR PAGE PARAMETERS	
Parameters	Settings (Default Value)
Select Prnt Option>>	None Print (New) Re-Print (Old) Print Info Page (Default : None)
Temp. Set Value >>	SP Low Limit to SP High Limit (Default : 25.0)
%RH Set Value >>	SP Low Limit to SP High Limit (Default : 60.0)
Temp. Lo Deviation >>	0.2 to 99.9 (Default : 2.0)
Temp. Hi Deviation >>	0.2 to 99.9 (Default : 2.0)
%RH Lo Deviation >>	0.2 to 99.9 (Default : 2.0)
%RH Hi Deviation >>	0.2 to 99.9 (Default : 2.0)
Change Password >>	1 to 100 (Default : 0)

SUPERVISORY

SUPERVISORY > SENSOR INPUT	
Parameters	Settings (Default Value)
Temp. Zero Offset >>	-50.0 to 50.0 (Default : 0.0)
%RH Zero Offset >>	-50.0 to 50.0 (Default : 0.0)

SUPERVISORY > RECORDING	
Parameters	Settings (Default Value)
Recording Interval (min) >>	0 to 250 Min (Default : 5 Min)
Alarm Toggle Records >>	Enable Disable (Default : Enable)
Delete PC Records >>	Yes No (Default : No)
RTC Time >>	0 to 23 for Hour 0 to 59 for Min (Default : NA)
RTC Date >>	1 to 31 (Default : NA)
RTC Month >>	1 to 12 (Default : NA)
RTC Year >>	2000 to 2099 (Default : NA)

SUPERVISORY > PRINTER SETTING	
Parameters	Settings (Default Value)
Line Per Page >>	25 to 100 (Default : 65)
Top Margine >>	1 to 5 (Default : 2)
Bottom Margine >>	1 to 5 (Default : 2)
Header & Footer >>	No On First Page Every Page (Default : No)
Enable >>	Yes No (Default : No)

SUPERVISORY > PRINT EVENT	
Parameters	Settings (Default Value)
Alarm Toggle >>	
RTC Modify >> Interval Modify >> Power Up >> Door Open >> Mains Fail >> Setpoint Modify >>	Yes No (Default : Yes)

SUPERVISORY > PASSWORD	
Parameters	Settings (Default Value)
Change Password >>	1000 to 1999 (Default : 123)

SUPERVISORY > EXIT	
Parameters	Settings (Default Value)
Exit Setup Mode >>	Yes No (Default : No)

FACTORY

FACTORY > TEMPERATURE > ALARM FACTORY > HUMIDITY (%RH) > ALARM	
Parameters	Settings (Default Value)
Hysteresis >>	0.1 to 99.9 (Default : 0.2)
Inhibit >>	Yes No (Default : Yes)

FACTORY > TEMPERATURE > CONTROL FACTORY > HUMIDITY (%RH) > CONTROL

Parameters	Settings (Default Value)
Tune >>	Yes No (Default : No)
Setpoint LO Limit >>	-99.9 to SETPOINT HI LIMIT (Default : 10.0)
Setpoint HI Limit >>	For RTD: Setpoint Lo Limit to 600.0 For mA/V: Setpoint Lo Limit to 999.9 (Default : 60.0)

FACTORY > TEMPERATURE > CONTROL
FACTORY > HUMIDITY (%RH) > CONTROL

CONTROL ZONES : DUAL

Parameters	Settings (Default Value)
CZ Prop Band >>	0.1 to 999.9 (Default : 50.0)
CZ Integral Time >>	0 to 3600 Sec (Default : 100 Sec)
CZ Derivative Time >>	0 to 600 Sec (Default : 16 Sec)
HZ Prop Band >>	0.1 to 999.9 (Default : 50.0)
HZ Integral Time >>	0 to 3600 Sec (Default : 100 Sec)
HZ Derivative Time >>	0 to 600 Sec (Default : 16 Sec)
Cycle Time >>	0.5 to 100.0 Sec (Default : 10.0 Sec)

CONTROL ZONES : SINGLE

Parameters	Settings (Default Value)
Proportional Band >>	0.1 to 999.9 (Default : 50.0)
Integral Time >>	0 to 3600 Sec (Default : 100 Sec)
Derivative Time >>	0 to 600 Sec (Default : 16 Sec)
Cycle Time >>	0.5 to 100.0 Sec (Default : 10.0 Sec)

FACTORY > TEMPERATURE > SENSOR INPUT

FACTORY > HUMIDITY (%RH) > SENSOR INPUT

Parameters	Settings (Default Value)
Input Type >>	* RTD Pt100 0-20mA 4-20mA 0-5V 0-10V 1-5V (Default : For Temp. Input : RTD Pt100 For %RH Input : 0-5V) *Available for Temp. Input only

FACTORY > TEMPERATURE > SENSOR INPUT FACTORY > HUMIDITY (%RH) > SENSOR INPUT			
Parameters	Settings (Default Value)		
Signal LO >>	Input Type	Settings	Default
	0 to 20mA	0.00 to Signal High	0.00
	4 to 20mA	4.00 to Signal High	4.00
	0 to 5V	0.000 to Signal High	0.000
	0 to 10V	0.00 to Signal High	0.00
	1 to 5V	1.000 to Signal High	1.000
Signal HI >>	Input Type	Settings	Default
	0 to 20mA	Signal Low to 20.00	20.00
	4 to 20mA	Signal Low to 20.00	20.00
	0 to 5V	Signal Low to 5.000	5.000
	0 to 10V	Signal Low to 10.00	10.00
	1 to 5V	Signal Low to 5.000	5.000
Range LO >>	-199.9 to RANGE HI (Default : 0.0)		
Range HI >>	RANGE LO to 999.9 (Default : 100.0)		

FACTORY > COMPRESSOR		
Control Strategy : Heat + Cool		
COMPRESSOR STRATEGY >>		CONT. OFF CONT. ON SP BASED P V BASED (Default : CONT. ON)
CONT. ON	SP BASED	PV BASED
Time Delay (sec) >> 0 to 1000 Sec (Default : 200 Sec)	Boundary Set Value >> 0.0 to 100.0 (Default : 45.0)	Compressor SP >> 0.0 to 100.0 (Default : 45.0)
	Control Zones >> SINGLE DUAL (Default : SINGLE)	Hysteresis >> 0.1 to 99.9 (Default : 2.0)
	Time Delay (sec) >> 0 to 1000 Sec (Default : 200 Sec)	Time Delay (sec) >> 0 to 1000 Sec (Default : 200 Sec)

FACTORY > COMPRESSOR		
Control Strategy : Heat + Cool		
COMPRESSOR STRATEGY >>		CONT. OFF CONT. ON SP BASED P V BASED (Default : CONT. ON)
CONT. ON	SP BASED	PV BASED
Time Delay (sec) >> 0 to 1000 Sec (Default : 200 Sec)	Boundary Set Value >> 0.0 to 100.0 (Default : 45.0)	Compressor SP >> 0.0 to 100.0 (Default : 45.0)
	Control Zones >> SINGLE DUAL (Default : SINGLE)	Hysteresis >> 0.1 to 99.9 (Default : 2.0)
	Time Delay (sec) >> 0 to 1000 Sec (Default : 200 Sec)	Time Delay (sec) >> 0 to 1000 Sec (Default : 200 Sec)

FACTORY > BOILER WATER LEVEL	
Parameters	Settings (Default Value)
Enable >>	Yes No (Default : No)
Water Level Startegy >>	Single Switch Dual Switch Lo-hi Dual Switch Lo-vlo (Default : Single Switch)
Switch-1 Logic >>	Close : Water Lo Open : Water Lo (Default : Close : Water Lo)
Switch-2 Logic >>	Close : Water HI Open : Water HI (Default : Close : Water HI) OR Close : Water VLO Open : Water VLO (Default : Close : Water VLO)

FACTORY > DOOR OPEN	
Parameters	Settings (Default Value)
Enable >>	Yes No (Default : No)
Switch Logic >>	Close : Door Open Open : Door Open (Default : Close : Door Open)
Door Alrm Dly (sec) >>	0 to 1000 Sec (Default : 60 Sec)

FACTORY > MAINS FAILURE	
Parameters	Settings (Default Value)
Enable >>	Yes No (Default : No)
Switch Logic >>	Close : Mains Fail Open : Mains Fail (Default : Close : Mains Fail)

FACTORY > FACTORY DEFAULT	
Parameters	Settings (Default Value)
Set To Default >>	Yes No (Default : No)

FACTORY > PASSWORD	
Parameters	Settings (Default Value)
Change Password >>	2000 to 2999 (Default : 321)

FACTORY > EXIT	
Parameters	Settings (Default Value)
Exit Setup Mode >>	Yes No (Default : No)

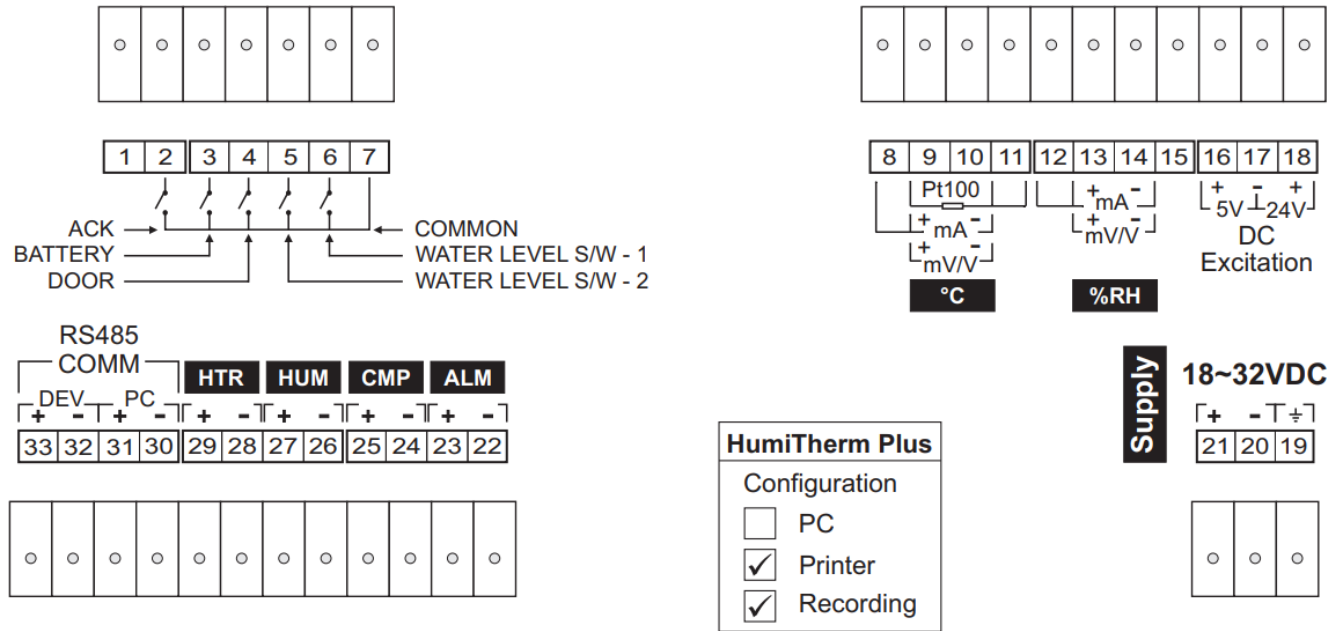
FRONT PANEL KEYS

Symbol	Key	Function
	Scroll	Press to scroll through various Process Information Screens in Normal Operation Mode.
	Alarm Acknowledge	Press to acknowledge and mute (if active) alarm output.
	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.
	SET-UP	Press to enter or exit set-up mode.
	ENTER	Press to store the set parameter value and to scroll to the next parameter.

PV ERROR INDICATIONS

Message	Error Type	Cause
OPEN	Sensor Open	Sensor (RTD Pt100) Broken / Open
OVR	Over-range	Temperature above Max. Specified Range
UNR	Under-range	Temperature below Min. Specified Range

ELECTRICAL CONNECTIONS



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

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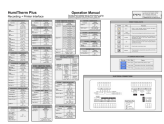
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Documents / Resources



[PPI HumiTherm Plus Recording Plus Printer Interface](#) [pdf] Instruction Manual
HumiTherm Plus Recording Plus Printer Interface, Recording Plus Printer Interface, Plus Printer Interface, Printer Interface, Interface

References

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