



Features

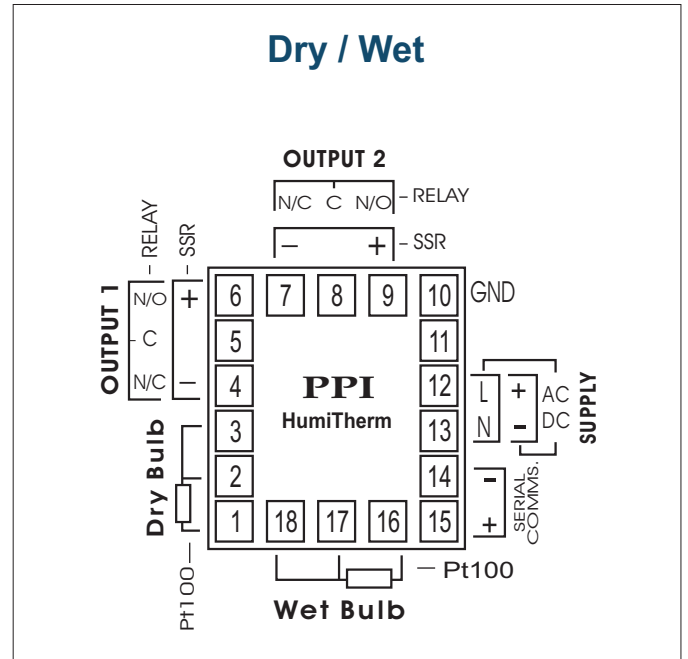
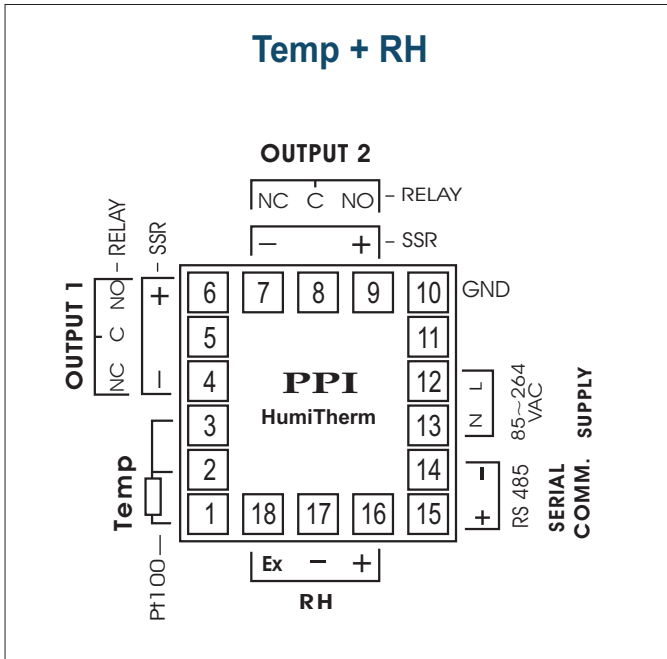
- Independent Displays for Temperature & %RH
- Input Versions :
 - (1) Dry Bulb / Wet Bulb
 - (2) Temperature / RH Transmitter
- Independent Zero Offset Adjustment for Temperature & %RH
- Facility to View & Store Min/Max Process Value
- °C / °F Units Selection for Temperature Indication
- Independent Programmable Alarms for Temperature & %RH
- Optional Serial Communication Port
- DIN Standard Dimensions (mm) : 48(H) X 48(W) X 110(D)

Specifications

Display	
Digital Readout	Upper Readout : 4 digits, 0.39" Bright Red LED, 7 Segment Lower Readout : 4 digits, 0.3" Luminous Green LED, 7 Segment
Status Indicators	5 Red LEDs (3mm Round)
Keys	
Type	4 Tactile Switches
Functions	PAGE, DOWN, UP, ENTER
Sensor / Signal Input	
Temperature Input	RTD Pt100, 3 wire
%RH Input	Dry Bulb / Wet Bulb Version : RTD Pt100, 3 wire Temperature + RH Transmitter Version : 0 - 5 VDC Linear
Accuracy	RTD Pt100 : ± 0.25% of reading ± 1°C DC Linear Volts : ± 0.25% of reading ± 1 LSD
Display Range	RTD Pt100 Input : 0 to 150 °C DC Linear Volts : Adjustable from -199.9 to 999.9 Counts
Display Resolution (User Programmable)	Temperature : 0.1 Fixed %RH : 0.1 Fixed
Zero Offset	User Adjustable over Full Range
ADC	16 Bit (±32,768 Counts), Sigma-Delta (ΣΔ)
Sampling Time	500mS (2 Samples per Second)
Input Resistance	> 8 MOhm
Common Mode Rejection	> 100dB at 50/60 Hz
Signal Conditioning	L-C Analog Filter

Alarms	
Numbers	2, Independent
Programmable Parameters	Mode : Process Low, Process High Logic : Normal, Reverse Hysteresis : 0.1 to 25.0 Unit Counts Inhibit : No, Yes
Outputs (Optional)	Relay Change-over Contacts or SSR Drive (Jumper Selectable) Output-1 Temperature Alarm, Output-2 for %RH Alarm
Outputs	
Relay	Contact Type : Potential-free Change-over Contacts Contact Rating : 5A Resistive @ 120/240 Vac Contact Life : > 5,00,000 Operations at Rated Voltage / Current
SSR Drive	> 4.2 VDC into 1KOhm Minimum
Serial Communication	
Port	RS485, 2-wire, Half Duplex, Start-Stop Synchronized
Protocol	Modbus RTU
Baud Rate	Settable : 1200, 2400, 4800, 9600
Max. Distance	1200 Metres
Power Supply	
Type	Switch Mode (SMPS)
Line Voltage	Standard : 85~264 VAC, 50/60Hz Optional : 18~36 VDC
Consumption	5VA Max
Physical	
Mounting	Plug-in with Panel Mounting Clamps
Overall Dimensions	48(H) X 48(W) X 110(D) mm
Panel Cutout	45(H) X 45(W), mm
Terminals	Screw Type
Weight	225 gm, Appx.
Environmental	
Operating Ambient	0~55°C & 5~90%RH Non-condensing
Storage Temperature	-10 to +70 °C
EMC Standards	EN50081-2 & EN 50082-2 Generic Stds for Industrial Environment
Safety Standards	Meets EN61010, Installation Catagory II
Atmospheres	Not Suitable for use in Corrosive or Explosive Atmospheres. The Panel in which the Instrument is Mounted must be free of Electrically Conductive Pollution.

Back Panel Terminations



Ordering Code

Input		Output 1		Output 2		Power Supply		Options	
DW	Dry / Wet	0	None	0	None	0	85~264 VAC	N	None
TR	Temp + RH	1	Relay/SSR	1	Relay/SSR			S	Serial Port

Example Code

TR-1-1-0-S

Temperature + RH Transmitter Input, Output-1 Relay/SSR, Output-2 Relay/SSR, 85~264 VAC Supply, Serial Port