PI Series Process Indicators

ELTEC CABLES & INSTRUMENTS

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Features

- Universal Sensor Input (All Thermocouple , Pt-100 and Linear Input)
- Provision for transmitter supply
- Provision for Inverse Scaling
- Provision for Retransmission output
- Optional RS-485 Modbus Protocol

Specifications

DESCRIPTION		PI-XX	PI-XXU	PI-XX2	PI-XXX
Display	Type	7 Segment LED (White Display for PV)			
	No. of Digits	4 Digits Single Row			
	LED Indication	N.A.	N.A.	Alarm Status	Alarm Status

INPUT SPECIFICATION

Measurement	Input Type	Analog	Universal	Universal	Universal
	Input		T/C : J, K, R, S, N, T, B ∣ RTD : Pt-100		
		Analog : 0-1 VDC, 0-3.3 VDC, 0-5 VDC, 0-10 VDC, 0-20 mA, 4-20 mA			
	Accuracy	0.3% FS			
	Resolution		T/C : J, K, R, S, N, T, B : 1 °C ∣ Pt-100 : 1 °C/ 0.1 °C		
		1/ 0.1/ 0.01/ 0.001	Analog : 1/ 0.1/ 0.01/ 0.001		

OUTPUT SPECIFICATION

Alarm Output	Relay	N.A.	N.A.	5A @ 250VAC / 30VDC	5A @ 250VAC / 30VDC

FUNCTIONAL SPECIFICATION

	PI-XX	PI-XXU	PI-XX2	PI-XXX
Alarm 1 Function	N.A.	N.A.	Low/ High/ Band	
Alarm 2 Function	N.A.	N.A.	Low/ High/ Band	
Serial Communication	N.A.	N.A.	N.A.	RS-485 Half Duplex
Retransmission	N.A.	N.A.	N.A.	0-20 mA, 4-20 mA (500Ω Max) 0-10 Volt (1KΩ Max)
Transmitter Supply	N.A.	5 VDC / 10 VDC / 12 VDC / 24 VDC @ 30 mA		

GENERAL SPECIFICATION

Supply Voltage	90 - 270 VAC/ DC (24 VDC Available on Request)							
Temperature And Humidity	Operating : 0-50°C ∣ Storage : -20° to 75°C ∣ 95 % RH (Non-condensing)							
Dimensions in mm (H x W x D)	Model No.	Display Height	Model No.	Display Height	Model No.	Display Height	Model No.	Display Height
48 x 48 x 85	PI-44	0.36"	PI-44U	0.36"	PI-442	0.36"	PI-44X	0.36"
72 x 72 x 65	PI-77	0.56"	PI-77U	0.56"	PI-772	0.56"	PI-77X	0.56"
48 x 96 x 53	PI-88	0.56"	PI-88U	0.56"	PI-882	0.56"	PI-88X	0.56"
96 x 96 x 53	PI-99	0.56"	PI-99U	0.56"	PI-992	0.56"	PI-99X	0.56"

I-THERM ORDER CODE GUIDE :

PI	XX	X	X	X
PI-XX-X-X-X	SIZE	CONFIGURATION	COMMUNICATION	SUPPLY
	4 ---->> 48 x 48	N : Only Linear Input	N	A -->> 230 VAC
	7 ---->> 72 x 72	U : Universal Input With X'ter Supply	N	B -->> 24 VDC
	8 ---->> 48 x 96	2 : Universal Input + 2 * Alarm + X'ter Supply	N	
	9 ---->> 96 x 96	X : Universal Input + 2 * Alarm + X'ter Supply + RTS Output	C	

ORDERING EXAMPLE : PI-88-X-C-A

SIZE	CONFIGURATION	COMMUNICATION	SUPPLY
PI-88	X	C	A
48 x 96	Universal Input + 2 * Alarm + X'ter Supply + Re-Transmission Output	RS-485	230 VAC