



Features

- Universal Sensor Input
- Programmable Analog Range (-1999 to 9999)
- Excitation Voltage : 5 VDC / 10 VDC / 12 VDC / 24 VDC
- Two Independent Alarm Outputs
- Program Lock function
- User Calibration Available for Analog Inputs
- Universal supply voltage (90 to 270 VAC)
- 24 VDC Available on Request

Display Specification

Digits	: 4 Digits Single Row 7 Segment LED Display			
LED Indication	: AL1 - Alarm 1 Status AL2 - Alarm 2 Status			
Height \ Model	PI-442	PI-772	PI-882	PI-992
PV (White)	0.36"	0.56"	0.56"	0.56"

Input Specification

Sensor Input	: Thermocouple - J, K, R, S, N, T, B RTD - Pt-100
Analog Input	: 0-1 VDC, 0-3.3 VDC, 0-5 VDC 0-10 VDC, 0-20 mA, 4-20 mA
Resolution	: 1 / 0.1 / 0.01 / 0.001
Accuracy	: 0.3% FS
Sampling Rate	: 250msec

Output Specification

Output 1	: Relay / SSR Drive (Factory Set)
Output 2	: Relay / SSR Drive (Factory Set)
Relay	: 5A @ 250VAC / 30VDC
SSR Drive	: 12 VDC @ 30mA

Functional Specification

Analog Input Logic	: Direct / Reverse
Process Value Offset	: -25 to 25
Input Filter	: 1 to 10
OP1 & OP2 Function	: Alarm
Alarm Modes	: Low / High / Band

Auxiliary Supply Specification

Supply Voltage	: 90 - 270 VAC (24 VDC Available on Request)
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Environmental Specification

Temperature	: Operating - 0 to 50°C
Storage	: -20° to 75°C
Humidity	: 95% RH (Non-condensing)

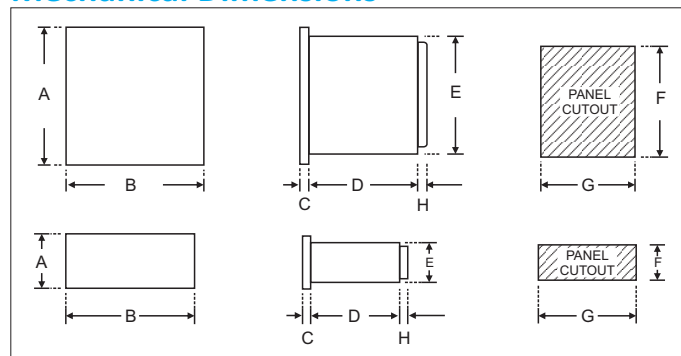
General Description

Model	PI-442	PI-772	PI-882	PI-992
Weight (Gms)	130	230	220	260

Certification

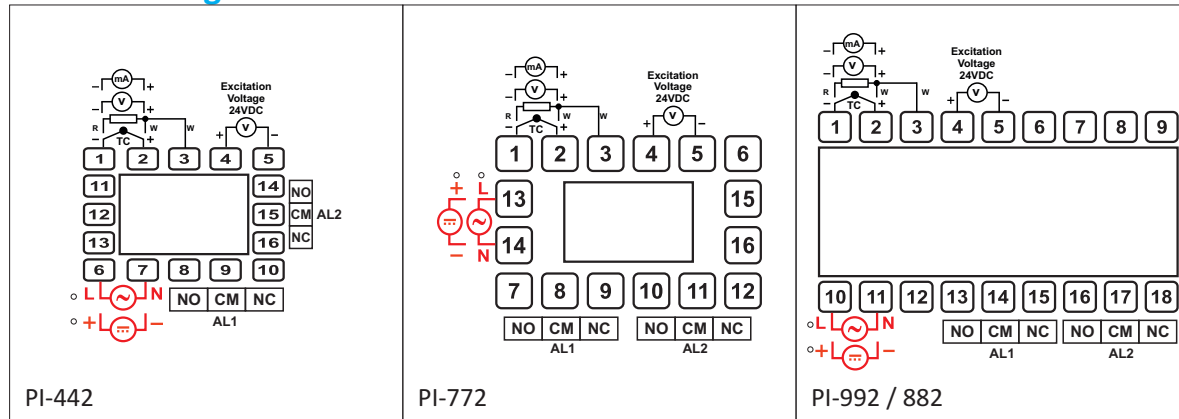
None

Mechanical Dimensions



Dim \ Model	A	B	C	D	E	F	G	H
PI-442	48	48	8	85	43	44	44	9
PI-772	72	72	10	65	66	68	68	9
PI-992	96	96	10	53	89	92	92	9
PI-882	48	96	10	53	43	44	92	9

Terminal Diagram



Order Code : PI-XX2 Series

Size	No. Of Outputs	O/P1 Type	O/P2 Type
4 (48X48X85)	Two	R (Relay)	R (Relay)
7 (72X72X65)		S (SSR Drive)	S (SSR Drive)
8 (48X96X53)			
9 (96X96X53)			

Example : PI-772-R-R

Size	No. Of Outputs	O/P1 Type	O/P2 Type
77	2	R	R
7 (72X72X65)	Two	R (Relay)	R (Relay)

Input Sensor Range

Sensor Input	Range	Resolution	Accuracy
Fe-k(J) T/C	0 ~ 760 °C	1	± 1
Cr-AL(K) T/C	-99 ~ 1300 °C	1	± 1
(R) T/C	0 ~ 1700 °C	1	± 1
(S) T/C	0 ~ 1700 °C	1	± 1
TC - N	-99 ~ 1300 °C	1	± 1
TC - T	-99 ~ 400 °C	1	± 1
TC - B	0 ~ 1800 °C	1	± 1
Pt-100(RTD)	-100 ~ 450 °C	1	± 1
Pt-100(RTD 0.1)	-100.0 ~ 450.0 °C	0.1	± 0.3
0 ~ 20 mA	-1999 to 9999	1 / 0.1 / 0.01 / 0.001	± 0.1 % Of Full Scale
4 ~ 20 mA	-1999 to 9999	1 / 0.1 / 0.01 / 0.001	
0 ~ 1 VDC	-1999 to 9999	1 / 0.1 / 0.01 / 0.001	
0 ~ 3.3 VDC	-1999 to 9999	1 / 0.1 / 0.01 / 0.001	
0 ~ 5 VDC	-1999 to 9999	1 / 0.1 / 0.01 / 0.001	
0 ~ 10 VDC	-1999 to 9999	1 / 0.1 / 0.01 / 0.001	