

# Process Indicators

PI-442 / PI-772 / PI-882 / PI-992



## Features

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





## Technical Specifications

### 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"

### Keys

4 Controlling keys for configuration and operation

SET  SHIFT  ACK1  ACK2 

### Environmental Specification

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

### 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	250 m Sec

### Auxiliary Supply Specification

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

### Certification

None



Make In India



Accurate



Reliable



Affordable



User Friendly

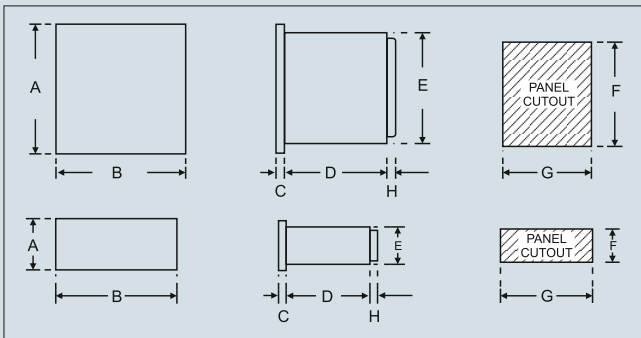
### Functional Specification

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

### General Description

Model	PI-442	PI-772	PI-882	PI-992
Weight (Gms)	130	230	220	260
Enclosure	Molded ABS			
Color	Black			
Accessories	1 Pair of Mounting clamp			
Terminal Cable Size	Barrier Type terminal cable Size ( 2.5 mm <sup>2</sup> )			

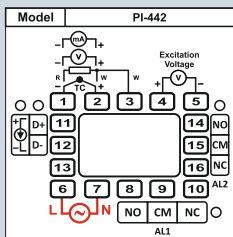
### Mechanical Dimensions



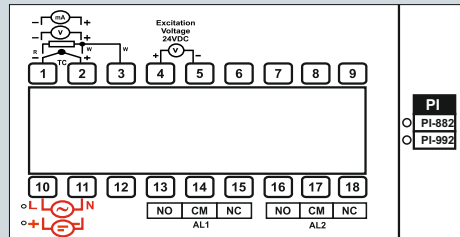
### Mechanical Dimensions

Model	Dim 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-882	48	96	10	53	43	44	92	9
PI-992	96	96	10	53	89	92	92	9

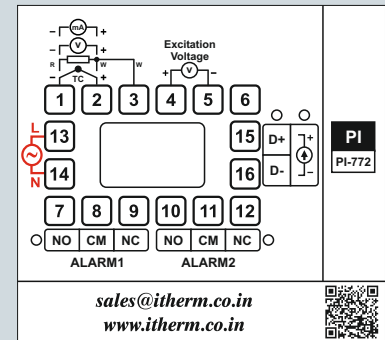
### Terminal Diagram



PI-442



PI-882/992



PI-772

### Order Code : PI-XX2 Series

Size	No. Of Digits	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 Digits	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	-1999 to 9999	1	±1
Cr-AL-(K) T/C	-1999 to 9999	1	±1
(R)T/C	-1999 to 9999	1	±1
(S)T/C	-1999 to 9999	1	±1
TC-N	-1999 to 9999	1	±1
TC-T	-1999 to 9999	1	±1
TC-B	-1999 to 9999	1	±1
Pt-100 (RTD)	-1999 to 9999	1	±1
Pt-100 (RTD 0.1)	-1999 to 9999	1	±1
0 ~ 20 mA	-1999 to 9999	1 / 0.1 / 0.01 / 0.01	} + 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	