

TEMPERATURE / PROCESS INDICATORS



DPI-948



DPI-967

MODEL WISE DESCRIPTION

Model	Product Description	Configuration	Size	Part no.
DPI-948	Temperature & Process Indicator	(1 AI + 1 AO + 1 SO)	96 x 48 x 120	1301
DPI-967	Temperature & Process Indicator (5 Digit model)	(1 AI + 1 SO)	96 x 96 x 120	1306

CONFIGURATION

- AI: Analog Input from Process transmitter in the form of 4-20mA or from the Temperature Sensors.
- AO: Analog Output proportional to Analog input, available in the form of Retransmission output of 4-20mA or optionally 0 -10V
- SO: Serial Output in the form of RS-485 on MODBUS RTU interface.

FEATURES

- Microcontroller based Design
- Software linearized for better measurement accuracy
- Available in all standard DIN sizes
- Works on universal 90-240VAC
- Universal and User selectable input from process transmitters/temperature sensors
- Industrial standard Analog and Digital Interface

DESCRIPTION

Libratherm offers various models of Digital Temperature and Process Indicators as shown in the above table. User has the choice of selecting the model based on the type of Input, type of analog or digital interface and required size. All the models are designed to suit most of the Industrial applications.

Part no. 1301 : DPI-948:

This Indicator is available in the size of 96w x 48h x 120d mm, accepts input from J,K,R,S,B thermocouple, Pt-100, 4-20mA and provides retransmission of 4-20mA and serial output of RS485 MODBUS interface.

Part no. 1305 : DPI-967:

This Indicator is available in the size of 96 x 96 x 120 mm with 5 digit display and accepts any one of the input from RTD (Pt-100)/4-20mA/0-10V. This model is suitable for indication resolution of 0.01 or 0.1 count.

TECHNICAL SPECIFICATIONS

Process Input	4-20mA or 0-10V
Display Range	-2000 to +2000 or 0 to 4000 count with programmable decimal point (4 Digit model DPI-948) -1999 to +9999 / 0 to 19999 with programmable decimal point (5 Digit model DPI-967)
Resolution	0.1,0.01,0.001 count
Temperature Input	Thermocouple type – J, K, RTD(Pt-100) or R, S, B sensor
Temperature Range	Full +ve range of the selected input type.
Resolution	1oC/0.1oC for thermocouples and 0.1oC/0.01oC for Pt-100.
Sampling rate / Display rate	The input is read @40mS / the display is updated @1 second.

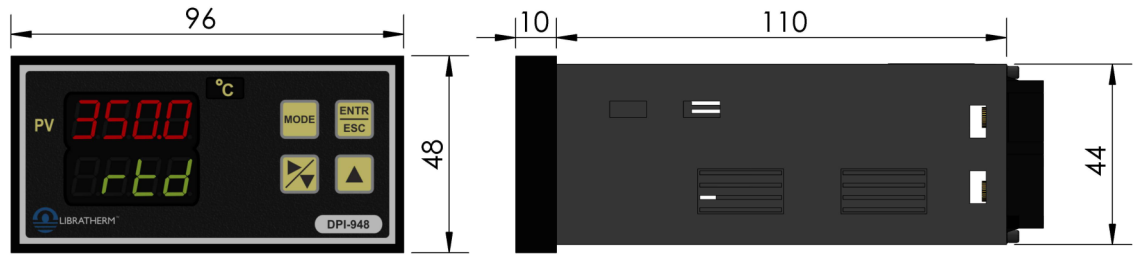
Indicating Accuracy	+/- 1 °C for Thermocouple throughout the range and +/- 0.1°C for Pt-100 . for (4-20)mA or (0-10)V - absolute to the linear input signal
Display (DPI-967)	5 digit 0.5" Red 7-segment display for process variable. 5 digit 0.5" Green 7-segment display for Input type and others.
Display (DPI-948)	4 digit 0.33" Red 7-segment display for process variable. 4 digit 0.33" Green 7-segment display for Input type and others.
Settings	Using Front panel Feather touch key board to set various parameters like Span Hi/Lo values, MODBUS slave ID, Input selection, calibration etc...
Retransmission Output (Analog)	4-20mA linearized and proportional to the selected input type and range.
Supply	(90VAC-250VAC), 50/60 Hz, 18 to 48VAC/DC (optional)
Size	As shown in the above table
Enclosure	ABS plastic with polycarbonate front graphic.

Note : Technical specifications are subject to change due to continuous product upgradation.
For any special requirement please contact.

ORDERING CODE

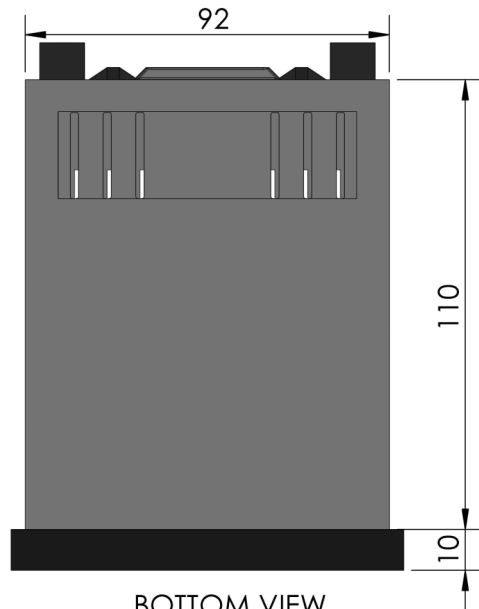
Sr no.	Model	Specifications	Part No.
1.1	DPI-948	Input : J,K,Pt-100,4-20mA	1301-1-1
1.2	DPI-948	Input : J,K,Pt-100,4-20mA with (4-20)mA retransmission	1301-1-2
1.3	DPI-948	Input : J,K,Pt-100,4-20mA with RS485 interface	1301-1-3
1.4	DPI-948	Input : R,S,B thermocouple	1301-2-1
1.5	DPI-948	Input : R,S,B with (4-20)mA retransmission	1301-2-2
1.6	DPI-948	Input : R,S,B with RS-485 interface	1301-2-3
2.1	DPI-967	Input : Pt-100/4-20mA /0-10V with RS485 interface	1305

DIMENSIONAL DRAWING



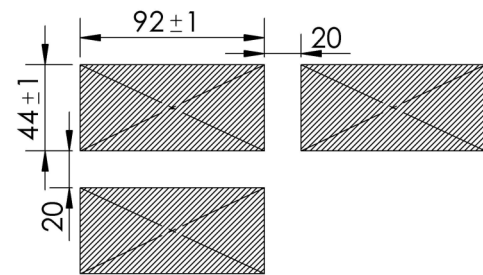
FRONT VIEW

SIDE VIEW



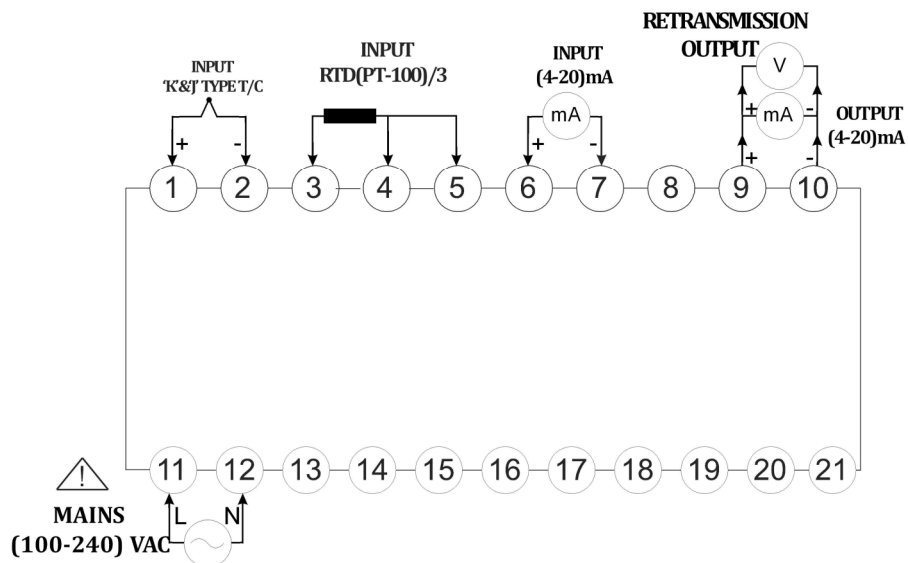
BOTTOM VIEW

PANEL CUTOUT:-

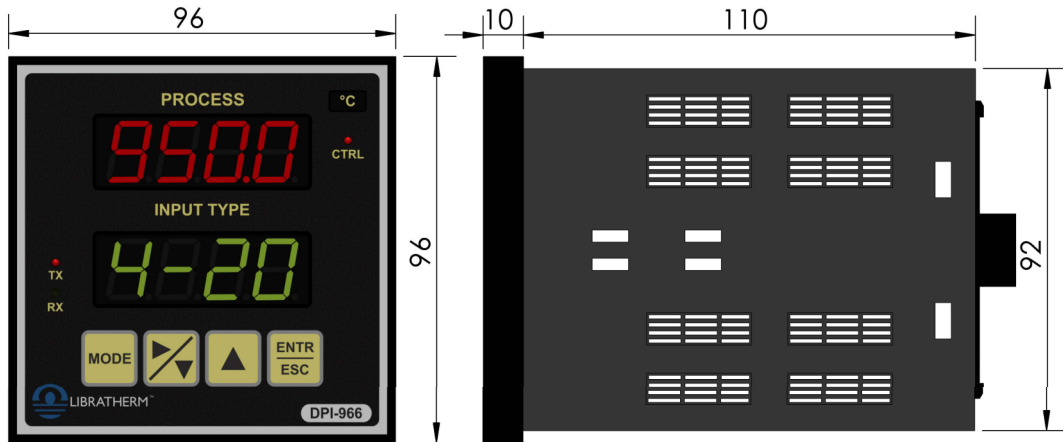


All dimensions are in mm

CONNECTIONS:-

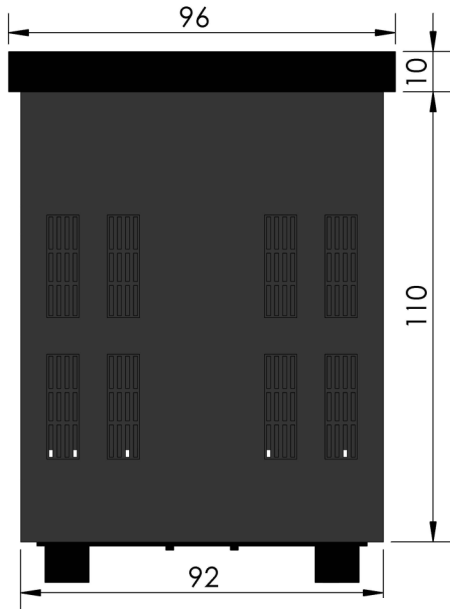


DIMENSIONAL DRAWING

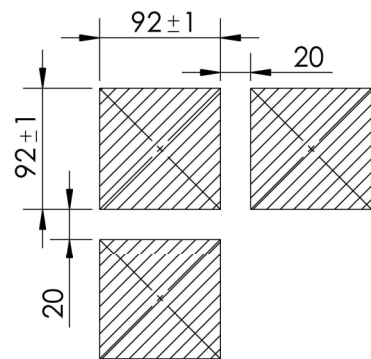


FRONT VIEW

SIDE VIEW



BOTTOM VIEW



PANEL CUT OUT

All dimensions are in mm

CONNECTIONS

