



MAIN FEATURES

- *Indicator Transmitter to measure Differential Pressure.*
- *Diff. Pressure Range is 0 - 100 Pascal (typical).*
- *0 – 10VDC , Output signal (typical). Could be changed to 0-5VDC if specified.*
- *Low Diff. Pressure Alarm , Dead Band and Offset , to be programed using two simple Push buttons .*
- *Fully calibrated.*
- *Low power consumption*
- *Excellent long term stability*
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DESCRIPTION

DP-100 is an advanced Transmitter strictly calibrated in the laboratory for the range of 0 to 100 Pascal .

The 0-10VDC output signal (typical) is linearly proportional to the diff. pressure which makes system integration quick and easy (Could be changed to 0-5VDC if specified) .

A Low Alarm Setting is programed inside the Transmitter along with Alarm Dead Band using two programming Push Buttons .

It is also possible to adjust the Zero reading offset if required using the same two Push Buttons.

Its size, low power consumption and up-to-25 meter signal transmission making it the best choice for various applications, including those most demanding ones.

The **DP-100** features a 2-line LCD display on the front cover one line for Differential Pressure display and for Low Diff. Pressure Alarm Display.

Low Diff Pressure Alarm shall be indicated on the front LCR screen and shall illuminate an LED in the front face and activate the Alarm relay.

It is convenient to connect and special packages can be provided according to users' request.

TECHNICAL DATA**Display**

2-line X 16 Character LCD display

Ranges

Diff. Pressure 0 - 100 Pascal

Accuracy

+ - 0.5% of F.S.

Input Power

24VDC (typical) .

Output signal

Signal span 0 – 10VDC .

Characteristic

Linear

Isolation voltage

500 Vac

Operating temp.

-40-70°C

Storage temp.

-40-70°C

Response time

≤3ms(10% to 90%F.S.)

ELECTRICAL CONNECTIONS

Cable Connection

PIN 1 – Input Power . (12 – 30VDC)

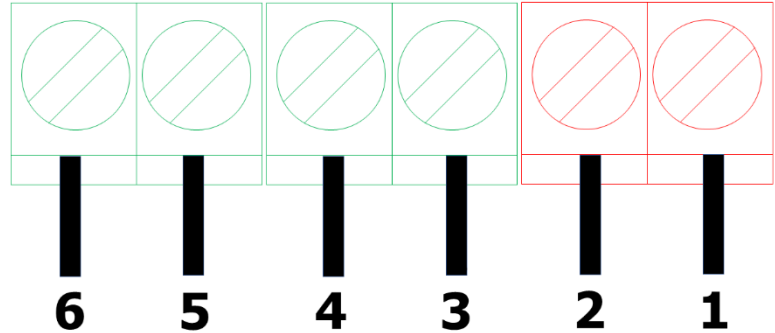
PIN 2 – Ground

PIN 3 – Diff. Pressure output
0 – 10 VDC

PIN 4 – Normally Open Alarm Contact

PIN 5 – Common Alarm Contact

PIN 6 – Normally Close Alarm Contact



HOW TO PROGRAM

Buttons:

- "Λ+V" *Press both to enter setting mode or to SAVE*
- "V" *Decrease the value*
- "Λ" *Increase the value*

Enter Password

- Press "Λ+V" , display shows "1230".
- Press "Λ" to change password to "1234"
- Press "Λ+V" together to enter
- (Press Λ+V twice or enter wrong password will logout setting mode.)

Low Differential Pressure Alarm Setting

- Display shows "ALARM = ".
- Press "Λ" to increase, press "V" to decrease.
- Press "Λ+V" to save and enter next level.

Low Differential Pressure Dead Band Setting

- Display shows "D.B.".
- Press "Λ" to increase, press "V" to decrease.
- Press "Λ+V" store and exit.

Low Differential Pressure Offset Setting in Pa

- Display shows "OFFSET =".
- Press "Λ" to increase, press "V" to decrease.
- Press "Λ+V" to save and enter next level.

Differential Pressure OFFSET Setting

- Display shows "OFFSET".
- Press "Λ" to increase, press "V" to decrease.
- Press "Λ+V" to save and EXIT programming.
- Display shows "DONE"

HOW TO ORDER**DP-100-AA-BB-OPTIONS****AA – OUTPUT VOLTAGE**

- 0 – 10 VDC (TYPICAL)
- 0 – 5 VDC
- OTHERS (PLEASE SPECIFY)

BB – SUPPLY VOLTAGE

- 24 VDC (TYPICAL)

OPTIONS - (PLEASE SPECIFY)