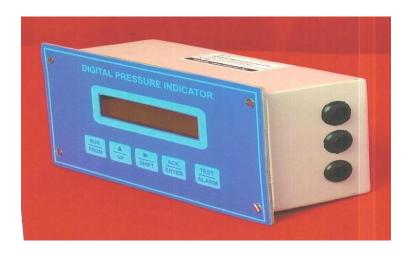


# DIGITAL PRESSURE INDICATOR USER MANUAL



**INTRODUCTION:-** The model PI- 01 is a DIGITAL PRESSURE INDICATOR WITH ALARM.

## **SPECIFICATIONS:**

INPUT : 4-20 mA / 0-10 v.

DISPLAY : 16 x 2 LCD display with backlight.

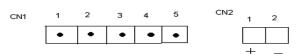
OUTPUT : Potential free relay output for alarm.

ALARM : Audible buzzer.
CONNECTORS : Terminal block

POWER : 24VAC / 24 VDC.

SIZE : 145[W] X 50[D] X 80[H] MM.

## **CONNECTOR DETAILS:**



- 1. 24V AC / DC INPUT (+) 1) 4-20mA or 0-10 V (+) 2. 24V AC / DC INPUT (-) 2) 4-20mA or 0-10 V (-)
- NO
   POLE
   NC

#### **OPERATION -**

WHEN WE POWER ON THE INDICATOR IT SHOWS-

1. Indicator Display 148 PASCAL

ALARM STATE: OK

- 2. To see the values in menu, press enter operator password.
- 3. To modify the values in menu, enter manager password.
- 4. Press RUN PRGM to enter password.

Operator password: 1000(configurable)

Manager Password: 5678 (fix)

- 5. Press UP key to increment the digits from 0 to 9.
- 6. Press SHIFT key to shift right to next digit.



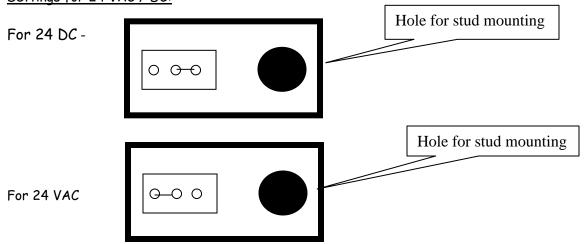
- 7. Press ENTER key to save the value is entered.
- 8. Press UP key to see next menu.
- 9. LOW ALARM is value of pressure in Pascal below which, if pressure decreases, buzzer gets ON.
- 10. HIGH ALARM is value of pressure in Pascal above which, if pressure increases, buzzer gets ON.
- 11. HYSTERISIS is the value of band at LOW ALARM AND HIGH ALARM.
- 12. LOW RANGE is minimum pressure value to display.
- 13. HIGH RANGE is maximum pressure value to display.
- 14. LOW ALARM DELAY is the time in seconds after which buzzer gets ON, when pressure goes below LOW ALARM value.
- 15. HIGH ALARM DELAY is the time in seconds after which buzzer gets ON, when pressure goes below HIGH ALARM value.
- 16. ALARM ACK DELAY is the time in second. In alarm condition buzzer is on. To turn off we press ACK key so that buzzer will stop but still pressure is in alarm condition then after the ALARM ACK DELAY time buzzer will again on.
- 17. NO. OF SAMPLES: this is the value for the averaging to display. Maximum value of NO. OF SAMPLES is 12.
- 18. OFFSET:-After the calibration if any difference in display value and standard
  - meter then user can set this value on positive or negative side to match the readings.
- 19. CHANGE PASSWORD: Here user can change the operator password only if he login through manager password.
- 20. SET ZERO: Apply 4 mA and set the SET ZERO.
- 21. SET SPAN: apply 20 mA and set the SET SPAN.

#### **Settings for input:**

For 4-20 mA – Put jumper link on J1

For 0-10 v – Remove jumper link from J1

### Settings for 24 VAC / DC:



Address: Narhe Industrial Estate, Lane No. 1, Sr. No. 44/21, Narhe Gaon, Tal-

Haveli, Pune, Maharashtra 411041 Tel: +91 9284025858

Email: Info@abacuselectronics.in Webiste: www.abacuselectronics.in