

DIGITAL TEMPERATURE HUMIDITY INDICATOR

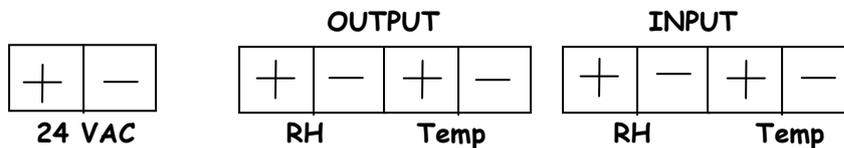


INTRODUCTION:-The model DI-02 is a DIGITAL TEMPERATURE / HUMIDITY INDICATOR with facility of average TEMP and RH value indication for last 24 Hrs. This unit also gives o/p of 2-10 V for each Temp and RH input.

SPECIFICATIONS:

INPUT : 4-20 mA ,PT-1000
 DISPLAY : 16 x 2 LCD display with backlight.
 OUTPUT : 2 to 10 V (2 Nos)
 CONNECTORS : Terminal block
 POWER : 230VAC
 SIZE : 150[W] X 110[D] X 55[H] MM.

CONNECTOR DETAILS



- | | |
|--------------------------------|--------------------------------|
| 1. AC INPUT | 7.Humidity i/p - 4 to 20 mA(+) |
| 2. AC INPUT | 8.Humidity i/p - 4 to 20 mA(-) |
| 3. Humidity o/p - 2 to 10V (+) | 9.Temp i/p (+) |
| 4. Humidity o/p - 2 to 10V (-) | 10.Temp i/p (-) |
| 5. Temp o/p - 2 to 10V(+) | |
| 6. Temp o/p - 2 to 10V(-) | |

OPERATION -

WHEN WE POWER ON THE INDICATOR IT SHOWS-

1. Indicator Display

HR °C LR % RH

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.. HIGH RANGE is maximum Temp value to display

10. 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 reading

11. SET ZERO: SET PT-1000 simulator for 0 °C and set the SET ZERO

12 .SET SPAN :SET PT-1000 simulator for high range and set the SET SPAN

13. LOW RANGE is minimum humidity value to display.

14. HIGH RANGE is maximum humidity value to display.

15. 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 reading.

16.SET ZERO: Apply 4 mA and set the SET ZERO.(for RH)

17.SET SPAN : apply 20 mA and set the SET SPAN.(for RH)

18.After calibration user can see min and max temp value by pressing ▲/TEMP key

19.After calibration user can see min and max RH value by pressing ►/RH key

20.Data can be resetted by pressing both PRGM and RST key at a time

21. At the output stage user get 2V for lower limit and 10 V for higher limit for both temperature and humidity

22. CHANGE PASSWORD :Here user can change the operator password only if he login

through manager password.

23.For wiring remove keypad from motherboard and make required connections

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