



USER MANUAL

ENVIRONMENTAL MONITORING SYSTEM

HUMIDITY & TEMPERATURE (JUMBO)

Model : HTI 197J



1. Introduction

Measurement of relevant Climatic data is becoming more and more important. This Humidity & Temperature Indicator offer Very Accurate Measurement of Relative Humidity & Temperature by Excellent readability of the very High intensity Seven Segment LED Display.

The Humidity & Temperature Indicator Housed with roughest Case allow the use in tough industrial environments, Latest Technology and well Proven Sensor Guaranteed Highest Accuracy and Long Term Stable Measurement.

2. Specification

Model	HTI 197J
Display	4 Digit 2 Line 2" (or) 4" (or) 8" Seven Segment LED Display
Range * *	0-60 °C / 0 -100%RH
Resolution *	0.1 or 0.01°C / 0.1%RH
Accuracy * * *	± 0.3°C / ± 1.5%RH
Alarm Output (optional)	2 Relay 5A rated with Individual H / L Settings
Mounting	Wall mountable
Operating Temp.& Humd.	0 - 50°C / 20 to 95 % RH Non Condensing
Power Supply	230V AC / 50Hz

Note: * Temperature resolution is provided on customer request 0.1°C or 0.01°C with different measuring

* * Temperature range (0 to 60°C, -40°C to 60°C , -40°C to 85°C and -40 °C to 125°C)

* * * Different Humidity accuracy sensor is provided on request (± 5%, ± 3%, ± 2% & ± 1.5% of FS)

Due to continuous product improvements, Published specifications may change with out notice

3. Terminal Arrangement

AS PER WIRING DIAGRAM GIVEN ON INSTRUMENT

4. Alarm Setup (optional)

4.1. Temperature High & Low Alarm

4.1.1 : To View the Temperature High Alarm Value , Press  TEM. SET key for Few Sec till the Temperature Display Shows



4.1.2 : To Change the High Alarm Value , Press  UP and  DOWN keys to select the Desire Value (Roll over the Blinking Digit between 0 - 9) and Press  MODE Key to Next Digit Selection and Repeat the Above for all the four Digit and Select the Desire Value and Save by  ENT Key. The Display Shows Low Alarm Value as



4.1.3 : To Change the Low Alarm Value , Press  UP and  DOWN keys to select the Desire Value (Roll over the Blinking Digit between 0 - 9) and Press  MODE Key to Next Digit Selection and Repeat the Above for all the four Digit and Select the Desire Value and Save by  ENT Key and the Display Automatically Return back to Read Mode.

4.2. Humidity High & Low Alarm

4.2.1 : To View the Humidity High Alarm Value , Press  HUM. SET key for Few Sec till the Humidity Display Shows



4.2.2 : To Change the High Alarm Value , Press  UP and  DOWN keys to select the Desire Value (Roll over the Blinking Digit between 0 - 9) and Press  MODE Key to Next Digit Selection and Repeat the Above for all the four Digit and Select the Desire Value and Save by  ENT Key. The Display Shows Low Alarm Value as



4.2.3 : To Change the Low Alarm Value , Press  UP and  DOWN keys to select the Desire Value (Roll over the Blinking Digit between 0 - 9) and Press  MODE Key to Next Digit Selection and Repeat the Above for all the four Digit and Select the Desire Value and Save by  ENT Key and the Display Automatically Return back to Read Mode.

NOTES:

1. IF READ EXCEEDS THE ALARM HIGH OR LOW SET THE DISPLAY WILL GET FLASH.
2. DURING DISPLAY FLASH RESET THE ALARM BY PRESSING  ALM RST KEY FOR 3 SEC TILL THE FLASH STOP.
3. AUDITABLE BUZZER AND RELAY OUTPUT OPTIONS ALSO AVAILABLE BY CUSTOMER REQUIREMENT.

5. USER CALIBRATION

NOTE : DON'T ENTER IN THIS MODE WITHOUT MASTER EQUIPMENT AND OPERATE BY TECHNICAL PERSON, WHO IS FAMILIAR IN USING ELECTRONIC INSTRUMENTS WITH THE HELP OF USER MANUAL.

5.1. TEMPERATURE CALIBRATION

5.1.1 : To View the ZERO ADJUST Value of Temperature , Power OFF the Instrument and Power ON by pressing  TEM. SET key till the Temperature Display Shows



5.1.2 : To Change the ZERO Value , Press  UP and  DOWN keys to select the Desire Value (Roll over the Blinking Digit between 0 - 9) and Press  MODE Key to Next Digit Selection and Repeat the Above for all the four Digit and Select the Desire Value and Save by  ENT Key. The Display Shows SPAN ADJUSTMENT Value as



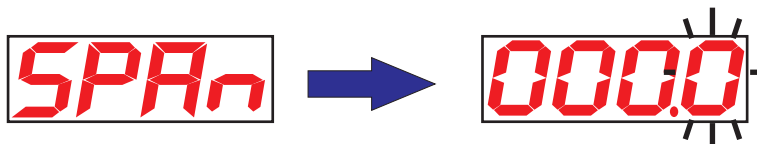
5.1.3 : To Change the SPAN Value , Press  UP and  DOWN keys to select the Desire Value (Roll over the Blinking Digit between 0 - 9) and Press  MODE Key to Next Digit Selection and Repeat the Above for all the four Digit and Select the Desire Value and Save by  ENT Key and the Display Automatically Return back to Read Mode.

5.2. HUMIDITY CALIBRATION

5.2.1 : To View the ZERO ADJUST Value of Humidity , Power OFF the Instrument and Power ON by pressing  HUM. SET key till the Humidity Display Show



5.2.2 : To Change the ZERO Value , Press ▲ UP and ▼ DOWN keys to select the Desire Value (Roll over the Blinking Digit between 0 - 9) and Press ► MODE Key to Next Digit Selection and Repeat the Above for all the four Digit and Select the Desire Value and Save by ■ ENT Key. The Display Shows SPAN ADJUSTMENT Value as



Previous selected SPAN ADJUSTMENT Value between (-19.9 to 19.9)

for Few Sec

5.2.3 : To Change the SPAN Value , Press ▲ UP and ▼ DOWN keys to select the Desire Value (Roll over the Blinking Digit between 0 - 9) and Press ► MODE Key to Next Digit Selection and Repeat the Above for all the four Digit and Select the Desire Value and Save by ■ ENT Key and the Display Automatically Return back to Read Mode.

For further clarification kindly contact us.



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