



Technical Specification

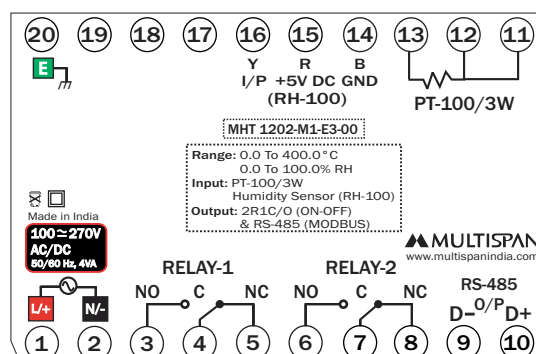
1. Upper display, 7 seg, red 0.56" LED for process value sensor 1.
Lower display, 7 seg, White 0.56" LED for process value sensor 2.
2. Dimension : Size : 96(H) X 96(W) X 54(D) mm.
Panel Cutout : 92 X 92 mm.
3. Input : PT-100/3W & Humidity sensor (RH 100)
4. Range : PT-100(0.0 To 400.0 °C)
Humidity (0.0 TO 100.0 % RH)
5. Supply : 100 To 270V AC/DC, 50/60 Hz, Approx 4VA
6. Output : 2Relay 1C/O (On-Off) + RS 485 Modbus
7. Protection Level : IP-65 (Front side) As per IS/IEC 60529 : 2001

NOTE:

1. Make all connection properly according to 'CONNECTION DIAGRAM' given below.
Then turn ON instrument. Set all parameters according to your requirement.
Then press ENTER key to store new value in memory.
2. Display-1 (upper) indicates temperature value for Pt-100 and Display-2 (lower) indicates temperature value for Humidity.

Accurate Sensing of humidity is subject to proper mounting of humidity sensor as per application area. Please consult our support engineers if needed.

Connection Diagram



USER CONFIGURATION

Menu-1

Power ON

Press  key

3 0.0 Temperature
5 0.0 Humidity

Set 1

5 E t 1 For Temp.
0 5 0.0 (0 To 400.0)

Press  key

Hysteresis 1

H Y S 1 (0.1 To 99.0)
0 0 0.5

Press  key

Time 1

t 1 n 1 (If RMod1=COOL)
0 0 0.5 (0.0 To 99.9Min)

Press  key

Set 2

5 E t 2 For Humidity
1 0 0.0 (0 To 100.0)

Press  key

Hysteresis 2

H Y S 2 For Humidity
0 0 0.5 (0.1 To 99.0)

Press  key

Time 2

t 2 n 2 (0.0 To 99.9Min)
0 0 0.5

Press  key

Address

A d d r
0 1 (1 to 127)

Baud Rate

b A U d (9600,19200,38400,2400,4800)
9 6 0 0

Press  key

Parity

P r t y
n o n e (None,Even,Odd)

Data type

d t y p
s i g n e (Sign integer, Float)

Frame Delay

F r d
2 in ms

Continuous Long press  key

Pass Word

P A S S
0 1 2 3 (123)

Press  key

Set Low Limit

S L L
0 0 0.0

Press  key

Set High Limit

S H L
4 0 0.0

Press  key

Mode 1

n o d 1 For Temp.
H E A t Heat/Cool

Press  key

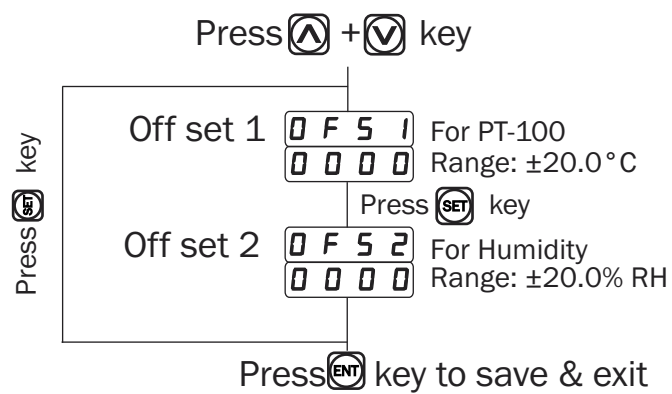
Mode 2

n o d 2 For Humidity
L - A L (L-AL/H-AL)

Press  key

Press  key to save & exit

Menu-2



MODBUS

Salve Address :	1 to 127
Baudrate :	2400,4800,9600,38400bps
Parity :	None,Even,Odd
Datatype :	Sign integer, Float
Frame delay (FMD)	ms

Sr.No	Access Type	Parameter	Register	
			Data Type	
			Integer	Float
1	R	Temperature	0	0
2	R	Humidity	1	2
3	R/W	Set 1	2	4
4	R/W	Hysterisis 1	3	6
5	R/W	Time 1	4	8
6	R/W	Set 2	5	10
7	R/W	Hysterisis 2	6	12
8	R/W	Time 2	7	14
9	R/W	Set Low Limit	8	16
10	R/W	Set High Limit	9	18
11	R/W	Offset 1	10	20
12	R/W	Offset 2	11	22
13	R/W	Mode 1	12	24
		Selection		
		Heat		
		Cool		
14	R/W	Mode 2	13	26
		Selection		
		High Alarm		
		Low Alarm		