

TEMP + HUMIDITY INDICATOR & CONTROLLER



96 x 96



Wall & Duct Mounted Sensor



Flame Proof

FEATURE

- ★ USFDA 21 CFR Part 11 - GAMP-4 Compatible.
- ★ Isolated 2 X 4-20 mA DC Re-Transmission Output For Temp & RH.
- ★ Micro Controller Based Temp. + Rh Indicator Controller In Single Enclosure.
- ★ Highly Stable Temp.+ Rh Sensor Available With Different Mounting.
- ★ Potential Free Relay Contact Output For Temp. And Rh Up To 4 Nos.
- ★ Process Parameter High And Low LED Status Indication For Both Channels.
- ★ MODBUS RTU Multi Drop RS-485 Serial Communication For PLC, SCADA Etc.
- ★ Password Protection For Calibration And Programming Mode.
- ★ Software Base Calibration For Both Channels.
- ★ User Programmable Offset Correction.
- ★ Sensor Accuracy : RH - 2% / 3% , Temp.- 0.25 % Of Span.
- ★ Ex. Flameproof Model Available For Hazardous Applications.
- ★ Wall Mounting/FLP And Duct Mounted Sensor Available.



Weather Proof Housing-IP65

APPLICATION

- ★ Green House T + RH Indicator & Controller.
- ★ Stability Chambers.
- ★ Warehouse Temp. + Humidity Indicator & Controller.
- ★ Pharma Environments Monitoring Application.
- ★ Laboratory And Scientific Instruments.
- ★ Clean Room Applications.

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TECHNICAL SPECIFICATION

INPUT	Nos. Of Input	2 Nos. (Temp. + Rh)
	Temperature Input	External:4-20 mA Or 0-10 V / RTD Pt-100)
	Humidity Input	External: 0.8 To 3.9 V DC /0-5 V Dc /4-20 mA Or 0-10 V DC)
	Transmitter Power Supply	24 V DC @ 30 mA Max, Isolated From I/P & O/P
	Range Limits	Temp :-40 To 100 *C & Humidity : 0-100 %
	Accuracy	Temp :0.25 % Fs & Humidity : 2% On Fs
	Input Impedance	>330 K For Voltage ,mV, And T/C, 100 R For Current
INDICATION	Indication	Temperature : 4 Digit And Humidity - 4 Digit - Red Led 7 Segment Display.
	Status Indication	Leds For Relay Status & Communication
	Alarm Modes	Very Low/Low/High/Very High
CONTROL MODE	On Off Control	Relay / SSR
	Dead Band Controls	High And Low Set Point For Level Application
OUTPUT	Relay Output	NO - C - NC Contacts , 5 A @240 V AC Resistive
	SSR Output	1 / 2 / 3 / 4 Relays / SSR Output
	Transmitter Power	24 V DC @ 20 mA ,12 V DC @ 20 mA
	Retransmission Current & Voltage Outputs	2 Nos. 0~20/ 4~20 mA, 0~5 V , 0~10 V , 1~5V DC, Fully 3 Port Isolated
COMMUNICATION	Communication Protocol & Method	Modbus RTU RS- 485/RS- 232 Communication
	Programmable Parameter & Max No.	Baud Rate, Parity , Node Address , Stop Bit & 0-256 Unit
	Wireless Communication	GSM/GPRS Base Mobile(SMS) Communication
PROGRAMMABLE PARAMETERS	Set point / Hysteresis / High Scale / Low Scale	Full Range As Per Input Selection.
	Relay Logic	F.S. High & Low Alarm, Dead Band Alarm
	Display Resolution	-1999 To 9999 Fully Configurable For Linear Input
	Programming Of Parameters	Through 4 Tactile Keys
OTHER	Dimensions & Mounting	As Per Box Selection & Wall/Structure 2/2 Holes
	(A) Supply Voltage (B) Power Consumption	(A) 110/230 V AC/24 V DC, 50/60 Hz (B) 4 Watts Maximum
	Operating Ambient Temperature And Humidity	0~50 °C , And Humidity : Below 90%, Non Condensing

ORDERING INFORMATION :

UT-1408																	
1		2		3			4			5		6		7		8	
Housing		Sensor		Ctrl. O/P - T			Ctrl.O/P-RH			Re. O/P - T		Re. O/p RH		Power		Comm.	
Panel-96x96	P	Wall Moun.	W	None	N	—	None	N	—	None	N	None	N	230V AC	1	None	N
Flame proof	F	Duct Moun.	D	Relay	R	1•2	Relay	R	1•2	4-20mA	C	4-20mA	C	110V AC	2	Rs485	4
IP -ABS	I	Flame Proof	F	SSR	S	1•2	SSR	S	1•2	0-10/5V	V	0-10/5V	V	24V DC	4	Rs232	2
				Special	T	1	Special	T	1	Special	T	Special	T			GSM	1

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