



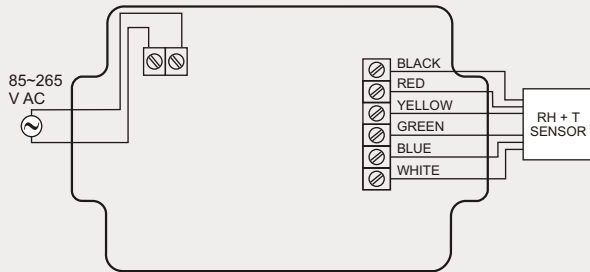
- **Input : RH and T signals from sensor**
- **Accuracy : ± 2% RH, ± 0.5 °C**
- **User programmable**
- **85~265 V AC SMPS**
- **Sensor break indication**
- **Isolated retransmission output corresponding to either temperature or humidity**

SPECIFICATIONS All specifications at ambient of 25 °C, unless specified otherwise

INPUT	
Input	Basic RH and T signals from sensor
Range limits	0~100% RH -20~100 °C (32 ~ 212 °F) Also see sensor range and Fig1
Accuracy	± 2% RH, ± 0.5 °C
Compatible sensors	Integral, outside enclosure SHT20 (General purpose / wall mount) SHT30 (Wall mount) SHT40 (Duct mount) SHT20, SHT30 & SHT40 must be ordered separately Upto 50 meters
Distance between sensor & instrument	Upto 50 meters
Resolution	0.1 or 1
INDICATION	
Display	Upper : 4 digit, 7 segment 0.56" (14.2 mm) green LED display Lower : 4 digit, 7 segment 0.56" (14.2 mm) red LED display
OUTPUTS	
Retransmission output	Current or voltage corresponding to RH or T
Current output	4~20 mA / 0~20 mA isolated from input
Maximum load for current output	600 ohms
Voltage output	0~10 V DC isolated from input
Load for voltage output	>10 Kohms
Mutual isolation between input/output/supply	1 KV AC / 1 minute

PROGRAMMABLE PARAMETERS	
Unit	°C, °F
Resolution	User selectable 0.1, 1 0 ~ 100 0 ~ 100
High scale	0 ~ 100
Low scale	0 ~ 100
Digital filter	A (minimum) ~ F (maximum)
Bias for Rh & T	-10 to 10
Retransmission output	Corresponding to RH or T
OTHER	
Keyboard	Tactile, 3 keys
Dimensions (in mm)	85(H) x 120(W) x 55(D)
Mounting	Field / wall mount
Supply voltage	a) 85~265 V AC, 50/60 Hz b) 20~35 V DC (optional)
Power consumption	3 watts maximum
Operating ambient temperature	0 ~ 50 °C
Relative humidity	Below 90%, non condensing

CONNECTION DIAGRAM



ORDERING INFORMATION

ORDER CODE	
2048	A

A	Configuration		
	Integral I/P	Remote I/P	Analog output (4~20 mA)
01	1	0	0
02	0	1	0
03	1	0	1
04	0	1	1

Ordering Options

The following ordering options are available on request. Minimum order quantity and/or minimum order value may apply.

Option details	
1.	0 ~ 10 V DC analog output
2.	24 V DC supply voltage

RH + T SENSORS (To be ordered separately)

SHT20
GENERAL PURPOSE /
WALL MOUNT
-20 ~ 60 °C



2049 XX

XX	Cable Length
05	5 meters
10	10 meters
15	15 meters
XX	User specified in meters

SHT30
WALL MOUNT
-20 ~ 100 °C



2050 XX

XX	Cable Length
05	5 meters
10	10 meters
15	15 meters
XX	User specified in meters

SHT40
DUCT MOUNT
-20 ~ 100 °C



2169 XX

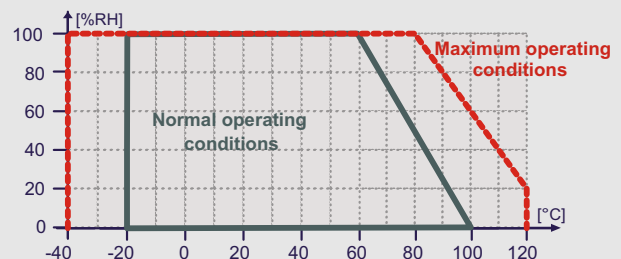
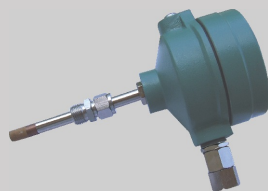
XX	Cable Length
05	5 meters
10	10 meters
15	15 meters
XX	User specified in meters

OTHER PRODUCTS

RH + T CONTROLLER



2-WIRE PROGRAMMABLE RH + T TRANSMITTERS



radix

RADIX ELECTROSYSTEMS PVT LTD

EL-135/136/137, Electronics Zone
TTC Indl. Area, MIDC, Mahape
Navi Mumbai - 400 710, India
+ 91 22 42537777 | sales@radix.co.in

OTHER ENQUIRIES

Instruments sales@radix.co.in
Sensors sensors@radix.co.in
Gauges gauges@radix.co.in
Automation automation@radix.co.in
Level level@radix.co.in