

Temperature & Humidity Transmitter



- Operating voltage DC 14...35 V
- 0...10 Vdc and 4-20 mA
- Interface : RS-485 ModBus-RTU
- Fixed or field selectable output types
- Simple and fast mounting

Technical Data

Temperature Measuring Range	-40°C...+120°C (selectable ranges)
Temperature Accuracy	±0.15 °C (between 20°C to 60°C)
Humidity Measuring Range	0...100% RH
Humidity Accuracy	±3% RH
Power Supply	15...30 V DC
Power Consumption	< 1.5 W
Current Output	4...20 mA
Voltage Output	0...10 Vdc
Interface	RS-485 ModBus-RTU
Operating Temperature(electronics)	-30...+70°C, 0-85% RH
Operating Temperature(probe)	-40...+120°C, 0-100% RH
Storage Temperature	-30 ...+70°C
Dimensions	Box : 120 x 80 x 55 mm Probe : L:240 mm, D:14 mm Cable Length : 2 m
Weight Packed	500 g

Switch Settings

Output 1 (temperature)

OUT1		Output 1
1	2	
On	On	0-10 V DC
Off	Off	4-20 mA

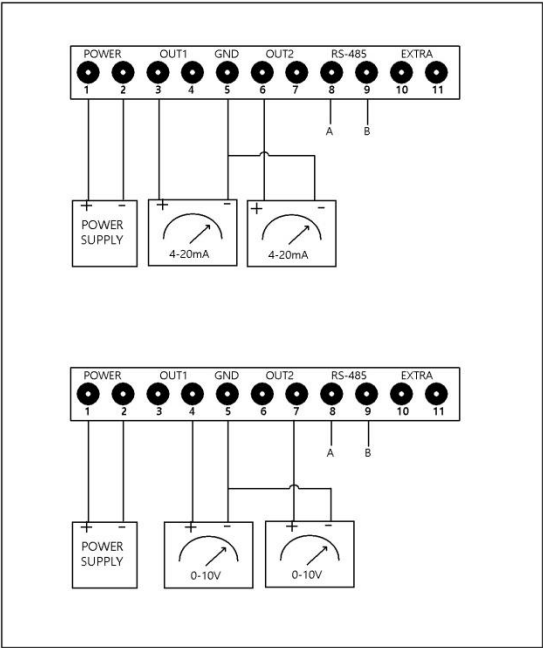
Response Time(Not used)

5	Response
On	Slow
Off	Fast

Range Settings

Scale		Temperature Range
7	8	
Off	Off	-40°C...+120°C
Off	On	-40°C...+70°C
On	Off	0°C...+70°C
On	On	0°C...+100°C

Electrical Connection



Output 2 (humidity)

OUT2		Output 2
3	4	
On	On	0-10 V DC
Off	Off	4-20 mA

Direction(Not used)

6	Direction
Off	Not used
Off	Not used

RS485 Settings

Protocol : RS-485 ModBus-RTU
Baud Rate:9600
Parity: None
Stop Bits:1
Default Slave Address:83

Temperature: OUTPUT1_Reading0
Humidity: OUTPUT2_Reading1

..... Holding Registers	
Adress	Function
16	OUTPUT1_Reading0H
17	OUTPUT1_Reading0L
18	OUTPUT2_Reading1H
19	OUTPUT2_Reading1L