Relative Humidity and Temperature Control Devices and Transmitter

HTC08

Device Features

2 pcs 4 Digit Numeric Display
2 pcs Led Display
2 pcs Analog Output (0/4-20mA, 0/2-10V)
2 pcs Programmable Semiconductor Relay
RS485 Communication Interface
100-240Vac Universal or 24Vac/dc Supply
Isolation Between Input/Output Modules
Wall Type and Wired Type Mounted Options
2 Different Protective Filter Options

Graduall Sensor Heating Function
Sensor Error Detection and Redirection
Four Different Relay Functions for Control or Alarm
Standard MODBUS RTU Communication Protocol
Adjustable Scale for Analog Outputs
100 ms Sampling and Control Cycle

HTC08 Series devices are electronic devices that enable the relative humidity and temperature data in industrial environments to be converted to a standard analog signal and sent to another system. They are ergonomic devices whose compliance with international standards, reliability and ease of use have been ensured at the design stage. For this reason, they are the devices that can be used and preferred for many applications in many sectors.

Device Connection

1	2	3	4	5	6	7	8	9	10	11	12
Data B	Data A	Data G	Rly 1	Rly C	Rly 2	Out 1 °C	Out –	Out 2 %Rh	NC	L	N
Contact Interface			Semiconductor Relay Outputs			Analog Outputs			Supply Voltage		

Technical Specifications

Supply Voltage (PS)	100-240Vac/dc +10%, -15% 24Vac/dc +10%, -20%
Power Consumption	4W, 6VA
Measurement Range	Temperature : -40...+120°C Relative Humidity : 0...100%Rh
Analog Outputs	Current : 0/4-20mA (RL≤500Ω) Voltage : 0/2-10V (RL≥1MΩ)
Semiconductor Relay Outputs	250Vac, 80mA, NO Contact
Resolution	Temperature : 0,1°C Relative Humidity : 0,1%Rh
Accuracy	Temperature : +/-1°C (-20°C...+70°C) +/-2°C (-40°C...+120°C) Relative Humidity : +/-2%Rh (10%Rh...90%Rh) +/-4%Rh (0%RH...100%RH)
Repeatability	Temperature : +/-0,1°C Relative Humidity : +/-0,1%Rh
Sampling Period	100 ms
Operating Temperature	Device : -10°C...+60°C Sensor : -40°C...+120°C
Storage Temperature	-20°C...+70°C
Memory	100 Years, 1000.000 Renewable
Weight	220 gr

Product Code

HTC08 - _ _ / °C Rh / _ _ _ / _ / _

Supply Voltage :

0 = 100-240Vac (Universal)
1 = 24 Vac/dc

Communication Interface :

0 = N/A
3 = RS485 Communication Unit

Analog Outputs :

0 = N/A
1 = 0/4-20 mA Current Output
2 = 0/2-10V Voltage Output

Mounting Shape:

0 = Wall Type
1 = Channel Type
2 = Cable Type

Sensor Rod Length :

1 = 10 cm
2 = 20 cm
3 = 30 cm

Filter Type :

1 = Sinterized Bronze
2 = Teflon
3 = Stainless Sinterized

Temperature Range :

0 = 0....+60 °C
1 = -40....+60 °C
2 = -40....+120 °C

Sensor Connection :

0 = N/A
1 = Flange
2 = ½" Fixed Raccord
3 = ½" Adjustable Raccord

Cable Length :

0 = N/A
1 = 2 m
2 = 5 m
3 = 10 m
4 = 15 m
5 = 20 m
6 = 25 m
7 = 30 m
8 = 35 m
9 = 40 m