

RELATIVE HUMIDITY AND TEMPERATURE TRANSMITTERS AND CONTROLLERS

ETRANS – HTC26 Datasheet

For 90% and Above High
Humidity Environments

Precise Measurement,
Ultimate Control



RELATIVE HUMIDITY AND TEMPERATURE

MODEL Etrans- HTC26



Description

HTC26 (For 90% and Above High Humidity Environments) HTC26 Series devices are electronic devices that enable intense relative humidity above 90% and temperature data in industrial environments to be converted into a standard analog signal and transmitted to another system. During the design phase, compliance with international standards, reliability, and ease of use were taken as the foundation. For this reason, they are devices that can be comfortably used and are widely preferred for many different applications across numerous sectors.



General Features

- 2 x 4 Digit Numeric Display
- 2 x LED Display
- 2 x Analog Output (0/4-20 mA, 0/2-10V)
- 2 x Programmable Solid State Relay
- RS485 Communication Interface
- 100-240 Vac/dc Universal or 24 Vac/dc Supply
- -40...+120°C Sensor Temperature Range
- Isolation Between Input and Output Modules
- Wall Type, Duct Type, and Cabled Mounting Options
- 3 Different Protective Filter Options
- Stepped Sensor Heating Function
- Sensor Fault Detection and Routing
- Four Different Relay Functions for Control or Alarm
- Standard MODBUS RTU Communication Protocol
- Adjustable Scale for Analog Outputs
- 100 ms Sampling and Control Cycle
- PC Configuration

Technical Specifications

Supply Voltage (PS)	100-240V AC/DC (+10% / -15%) or 24V AC/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 ≤ 500 Ω) / Voltage: 0/2-10V (RL ≥ 1M Ω)
Solid-State 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)
Accuracy (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
Ambient Temperature	Device: -10°C...+60°C / Sensor: -40°C...+120°C
Storage Temperatur	-20°C...+70°C
Memory	100 Years, 1,000,000 Renewals
Weight	220gr

Device Connection

Communication Interface	Data B, Data A, Data G (Terminals 1, 3, 4)
Solid-State Relay Outputs	C, 1, 2 (Terminals 5, 6, 7)
Analog Outputs	1, 2 (Terminals 8, 9)
Supply Voltage	Z (Terminals 11, 12)

Electrical Wiring Diagram

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 - °C	Out 2 %Rh	NC	L	N
Communication Interface			Semiconductor Relay Outputs			Analog Outputs		Supply Voltage			

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