HTT08

Relative Humidity and Temperature Transmitter USERS' GUIDE

HTT08
Bağıl Nem ve Sıcaklık Transmitteri

100-240Vac Üniversal veya 24Vac/dc Besleme
(0/4-20mA, 0/2-10V) Analog Çıkış
Giriş/Çıkış Modülleri Arası İzolasyon
Duvar Tipi, Kanal Tipi ve Kablolu Montaj Seçenekleri
6 Farklı Koruyucu Filtre Seçeneği
100ms Örnekleme

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INTRODUCTION

HTT08 devices are modular devices that designed to measure and transmit the relative humidity, temperature and dew point. Model HTT08 devices can transfer the temperature and humidity or dew point data to other controller devices by analog signals. Complying international standards, reliability and user friendly usage features are the design principles of these devices. So that, they are ergonomic
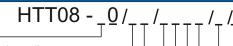
SAFETY PRECAUTIONS

● Before using the device, please read the warnings below and this guide carefully. The accidents or damages resulting from not following the warnings included in this guide are under user's responsibility.
● This device is intended to be used by qualified personnel in industrial environments, do not use in houselike environments.
● Do not use the device at places where corrosive, flammable and explosive gases exist. Contact points may create electrical discharge and this may cause explosion or fire.
● Do not allow metal fragments or lead wire scraps or liquid matters to fall inside this device. Otherwise fire or electrical shck may happen.
● Take the neccessary precautions in order to prevent accidents and damages that may result in case the device gets faulty.
● There is no fuse or switch that brings the device in power down state, these should be added to the system by the user.
● Sensor and signalling cables should not be routed close to the power cables or inductive load cables.
● Do not power up the device before the connections related with the device are performed in accordance with connection diagram.
● Do not power up the device before the connections related with the device are performed in accordance with the connection diagram. While the device is powered, do not touch on the terminals.
● Configuration settings at factory out should be changed according to the user's preferences. The accidents and damages resulting from incorrect configuration settings are under users' responsibility.
● Never disassemble, repair and modify the device. These should be carried out by authorized service.
● Device lifetime is 10 years that is recommended by ministry.

PRODUCT CODE

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

Analog Outputs
0= N/A
1= 0/4-20mA Current Output
2= 0/2-10Vdc Voltage Output

Assembly Type
0= Wall Type
1= Canal Type
2= With Cable

Sensor Probe Length
1= 10 cm
2= 20 cm
3= 30 cm

Filter Type
1= Sintered Bronze
2= Teflon
3= Sintered Stainless Steel

Temperature Range
0= 0 ... +60 ºC
1= -40 ... +60 ºC
2= -40 ... +120 ºC

Sensor Probe 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

CONNECTION DIAGRAM

07	08	09	10	11	12
Out 1	Out –	Out 2	NC	L +	N –
Analog Outputs			Supply Voltage		

Out 1 = Temperature

Out 2 = Relative Humidity

TECHNICAL SPECIFICATIONS

Supply Voltage	100-240Vac/dc : +%10 -%15	24Vac/dc : +%10 -%20
Power Consumption	2W,3VA	
Analog Outputs	0/4-20mA (RL £ 500Ω)	0/2-10V (RL ³ 1MΩ)
Measurement Range	Humidity: 0 ... 100 %RH	Temperature: -40 ... +120 ºC
Resolution	Humidity: 0,1%RH	Temperature: 0,1ºC
Accuracy	Humidity: +/-2 %RH (10%RH...90%RH) +/-4 %RH (0%RH...100%RH)	Temperature: +/- 1ºC (-20ºC ... +70ºC) +/- 2ºC (-40ºC ... +120ºC)
Repeatability	Humidity: +/- 0,1%RH	Temperature: +/- 0,1ºC
Sampling Period	100ms	
Operation Temperature	Device : -10ºC ... +60ºC	Sensorr : -40ºC...+120ºC
Storage Temperature	-20ºC ... +70ºC	
Protection	IP65	
Dimensions	Width : 115mm	Height : 95mm	Depth : 56mm
Weight	210gr	

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