

**Introduction:**

The THC is a relative humidity and temperature electronic controller. It includes two relay-type control outlets that may be independently configured for functioning as a control or alarm.

**Features:**

- » Configurable setpoint minimum and maximum limits.
- » Sensor disconnection protection/error display.
- » Front-Panel with IP65 protection.
- » Industrial level of EMC test and higher reliability.
- » Adjustable hystereses.

**Application:**

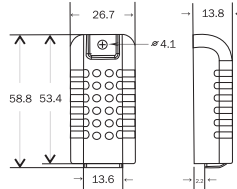
» Flower, fruits, and vegetable storage rooms, air conditioning; data centers.

<b>SPECIFICATION :</b>	<b>Input Type</b> <b>Output Type</b>	PT 100 (RTD RTD.1) + Humidity Sensor, Range:- 20% to 90% RH or 0.0 to 5.0 VDC. 1CO + 1CO, 7 Amp., 230 VAC ( NO - C - NC ) .
<b>Power supply</b>	90~285V AC, 50~60 Hz,	<5w
<b>Power Consumption</b>	Working Environment	Temperature: -10 °C~60 °C Humidity: <80%RH
<b>Working Environment</b>	Storage Environment	Temperature: -20 °C~70 °C Humidity: <90%RH
<b>Measuring Range</b>	Measuring Accuracy	0.0°C to 400°C or -50.0°C to 199.9°C, Humidity: 20.0%~90.0%RH
<b>Measuring Accuracy</b>	Dielectric Strength	Temperature:±1%, Humidity: ±5%
<b>Dielectric Strength</b>	Dimension(mm)	1600V AC (1 Min.) 96W x 96H x 55L

**Humidity Sensor**

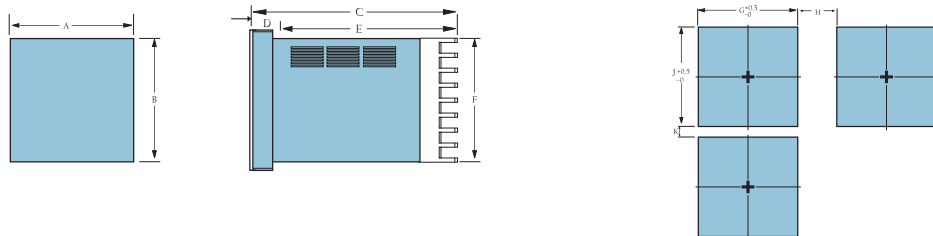


**Sensor Dimension**



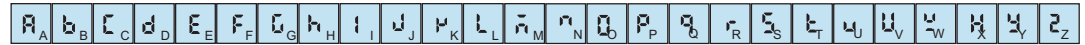
<b>SPECIFICATION :</b>	<b>MODEL</b>	AM 1001
<b>Power supply</b>	Output signal	4.0 to 5.5V DC 0.6 to 2.7V DC
<b>Output signal</b>	Sensing element	Polymer resistor
<b>Sensing element</b>	Operating range	Humidity 20-90%RH; temperature 0~50Celsius
<b>Operating range</b>	Response time	Accuracy humidity +5%RH 10s(average)
<b>Response time</b>	Measuring Accuracy	Humidity: ±5% RH
<b>Measuring Accuracy</b>	Long-term Stability	+1%RH/year
<b>Long-term Stability</b>	Repeatability humidity	+1%RH; temperature +1Celsius
<b>Repeatability humidity</b>	Interchangeability	Humidity hysteresis +1%RH Fully interchangeable

**DIMENSIONS**



<b>Size</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>H(Min)</b>	<b>J</b>	<b>K(Min)</b>
(96 x 96)	96	96	66	3	63	90.3	92	25	92	25

**Display Alphabet Characters**



STARTING MENU	RANGE PARAMETER	SENSOR SELECTION	CONTROL PARAMETER
<p>OPEN Default Screen Use [2] &amp; [2]</p> <p>1000 Press [2]</p> <p>0100 Set Temperature Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>0500 Set Humidity Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>--- Save &amp; Exit</p>	<p>OPEN Default Screen Use [2] &amp; [2]</p> <p>1000 Press [2]</p> <p>0043 Default Password Screen Press [2]</p> <p>0030 Enter Password 030 For Time Parameter Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>-099 Temperature Low Rang Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>0400 Temperature High Rang Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>0000 Temperature Offset Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>0000 Humidity ofset Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>--- Save &amp; Exit</p>	<p>OPEN Default Screen Use [2] &amp; [2]</p> <p>1000 Press [2]</p> <p>0043 Default Password Screen Press [2]</p> <p>0070 Enter Password 070 For Time Parameter Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>PT Temperature sensor selection PT/PT.1 Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>0n0t Control Action TP/ON-OFF Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>--- Save &amp; Exit</p>	<p>OPEN Default Screen Use [2] &amp; [2]</p> <p>1000 Press [2]</p> <p>0043 Default Password Screen Press [2]</p> <p>0090 Enter Password 090 For Time Parameter Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>HFAL Mode selection Heat/cool Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>0002 Temperature Hysteresis Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>H-AL Alarm Mode Selection Low Alarm/High Alarm Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>H70d Humidity Hysteresis Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>0020 Set Delay Time Use [2] &amp; [2]</p> <p>1555 Press [2]</p> <p>--- Save &amp; Exit</p>

1555 Password	0000 Humidity ofset	0495 Temperature Hysteresis
1555 Set Temperature	PT Temperature sensor selection	H-AL Low Alarm/High Alarm
1555 Set Humidity	1nPT Temperature sensor selection	H70d Alarm Mode Selection
1555 Temperature Low Rang	0tRL Control Action	H495 Humidity Hysteresis
1555 Temperature High Rang	0n0t TP/ON-OFF	dELY Set Delay Time
1555 Temperature Ofset	1n0d Mode selection	