

# DIGITAL HUMIDITY & TEMPERATURE CONTROLLER



MODEL AI-RHTC

## *Application:*

To monitor the temperature & humidity of a chamber, room, machine alongwith online display & 2 relay outputs , 1 relay output for alarm upon exceeding set temperature & 2<sup>nd</sup> relay output for alarm upon exceeding set humidity.

## *TECHNICAL SPECIFICATIONS:*

<b>Sensor Type</b>	: 1) Polymer sensing for Temperature 2) Capacity polymer sensing for Relative humidity
<b>Range</b>	: 1) 0.0 to +60.0°C typical for Temperature (Any other as per requirement) 2) 0.0 to 100.0%RH typical for Relative humidity
<b>Output</b>	: 2 Relay Output (2 Sets of NO/CO/NC), 1 each for Temperature & Humidity
<b>Resolution</b>	: Fixed 0.1 for both Temperature & Relative humidity.
<b>Accuracy</b>	: 1) $\pm 0.5$ C for -30.0 to +50.0 Deg. C for Temperature 2) $\pm 1.8\%$ for 10 to 95% RH for Relative humidity $\pm 2\%$ for all other ranges.

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<b>Display</b>	<b>: 2 X 4 Digit RED LED Display (1 Each for Humidity &amp; Temperature)</b>
<b>Supply Voltage</b>	<b>: 230 V AC, Single Phase to Indicator, Sensor Supply Built In</b>
<b>Mounting</b>	<b>: Sensor is externally wired onto the instrument, Instrument is Panel mounting type</b>
<b>Sensor Housing</b>	<b>: PVC Tube with 4 Core Shielded Extension Cable Length 1 mtrs. from Probe to Electronics ( Extra Cable on Request )</b>
<b>Instrument Enclosure</b>	<b>: ABS Plastic Enclosure of Size 96 x 96 x 110 mm. (L x B x D)</b>
<b>Weight</b>	<b>: 800g. Approx.</b>

*Manufactured By:*

## **ACE INSTRUMENTS**

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