

# 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:*

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| <b>Sensor Type</b> | : 1) Polymer sensing for Temperature<br>2) Capacity polymer sensing for Relative humidity  |
| <b>Range</b>       | : 1) 0.0 to +60.0°C typical for Temperature<br>(Any other as per requirement)<br>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<br>2) $\pm 1.8\%$ for 10 to 95% RH for Relative humidity<br>$\pm 2\%$ 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**

***(An ISO 9001-2008 Certified Company)***

**Plot No.77, Shaktipuram, Industrial Estate Kukatpally, Prashantinagar,  
Hyderabad – 500072.**

**Phones: +91-40-23078848, 23830848, 32901226 Fax: +91-40-23830848**

**Email: [sales@alwaysace.com](mailto:sales@alwaysace.com)**

**Website: [www.alwaysace.com](http://www.alwaysace.com)**