**Technical Specifications for Temperature & Rel. Humidity Display with Alarm system**

**System:**

 The ambient conditions inside the critical rooms such as Server room, Hub Room, NOC Room needs to be monitored as a separate system independent of BMS.

**Operation:**

 The Temperature & Rel . Humidity sensor shall be installed inside the critical room below the return air duct. The sensor shall output the temperature & Rh values to the display unit. The display unit shall be a 1 inch 7 segment display with 3 digits RED and the panel facia shall be SS finish. The display unit shall have the provision for set point, such that when the temperature or Rh rises above the set point, the hooter shall be activated.

The display shall have the option to integrate with BMS to monitor the values in BMS

**Technical Specifications:**

Display : 7 Segment RED LED, 1 Inch, 3 digit

Voltage : 24V AC/DC

Current : 100mA @ 24V

Parameters : Temperature & Relative Humidity

Input : 0 – 10V / 0-20mA

Full Scale : 0 to 50 Deg C for Temperature & 0 to 100% for Rh

Setting : key pad x 4

Front plate : SS 304

Back panel : MS metal enclosure

Output : PFC for each parameter

Indication : Buzzer & Blinking Display when set point is reached