**Technical Specifications for Temperature, Rel. Humidity and Differential Pressure 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 and Differential Pressure sensor shall be installed inside the critical room. The sensor shall output the temperature, Rh and Differential Pressure 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, Rh or Diff.Pressure value 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 & Diff Pressure

Input : 0 – 10V / 0-20mA

Full Scale : 0 ~ 50 Deg C - Temperature & 0 ~ 100% for Rh, 0 ~ 50 Pa

Setting : key pad x 4

Front plate : SS 304 Panel Facia

Back panel : MS metal enclosure

Output : PFC for each parameter

Indication : Buzzer & Blinking Display when set point is reached