

Smart Temperature and Humidity Monitoring System



Wi-Fi based Temperature and humidity monitoring system is a unique & versatile **Smart product**. It gives the user liberty to **remotely monitor** the room temperature from **anywhere in the world** using their smart phones and/or through a centralized location through their desktops. Each smart device can be **configured via Mobile App** for a threshold value so that incase the temperature breaches the set value it send the **Alert notification** to the authorized user/s. The **easy to use** mobile app, provides a **dashboard** through which use remotely observe the temperature and humidity of the room at a particular instance and also can view a **graphical report** for entire months period. The report can also be **exported to Excel** for further usage/record keeping.

Optionally this smart device can be connected with an **external Alarm system**, which can alert nearby people in case there is a breach of set temperature. This smart device can also get **integrated** with a **smart display** through which user can monitor the temperature from anywhere using a smart wall mount display as shown in the image above.

This product is highly recommended for **Cold Storage, Silo, Server Room, Ware house**, offices etc.

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Smart Temperature and Humidity Monitoring & Control System

Physical Specifications	
Part Number	IESMW5T4
Dimensions (mm)	94 x 50 x 30
Weight(g)	100
Mountable	Wall Mountable

Operating Specifications	
Operating Voltage	200 ~ 270 VAC
Operating Temperature	-30°C to 50 °C

Technical Specifications	
Communication	WiFi
Antenna	Inbuilt Chip Antenna

Probe Specifications	
Probe Type – I: Temperature	0-50 °C with accuracy of $\pm 2^{\circ}\text{C}$
Probe Type – I: Humidity	5-90 % RH with accuracy of $\pm 5\%$ RH
Probe Type – II: Temperature	-30 °C to 80 °C with accuracy of $\pm .5^{\circ}\text{C}$
Probe Type – II: Humidity	2-99 % RH with accuracy of $\pm 3\%$ RH

Relay Specification
5 ampere potential free relay for Interfacing with External Sound Alarm or HVAC

Enclosure
ABS Mold

Messaging
MQTT (SSL Secured)

Wiring Diagram
Plug into any AC outlet with 220V AC

Youtube Links
https://youtu.be/L2jGmllEoGO (Smart Temperature & Humidity Monitoring System Demo)
https://youtu.be/vaip3K1qd0k (Using Sumona's Mobile App)