TeleMON™

Telemetric Monitoring System

TeleMON™ is to monitor Ambient Environment condition and / or Auxiliary Equipment conditions remotely. Using **TeleMON™**, the environment parameters such as temperature, humidity, air quality, fire, smoke, pressure, wind, light, etc. can be monitored remotely. Data collected by **TeleMON™** can be accessed and displayed at your remote station.

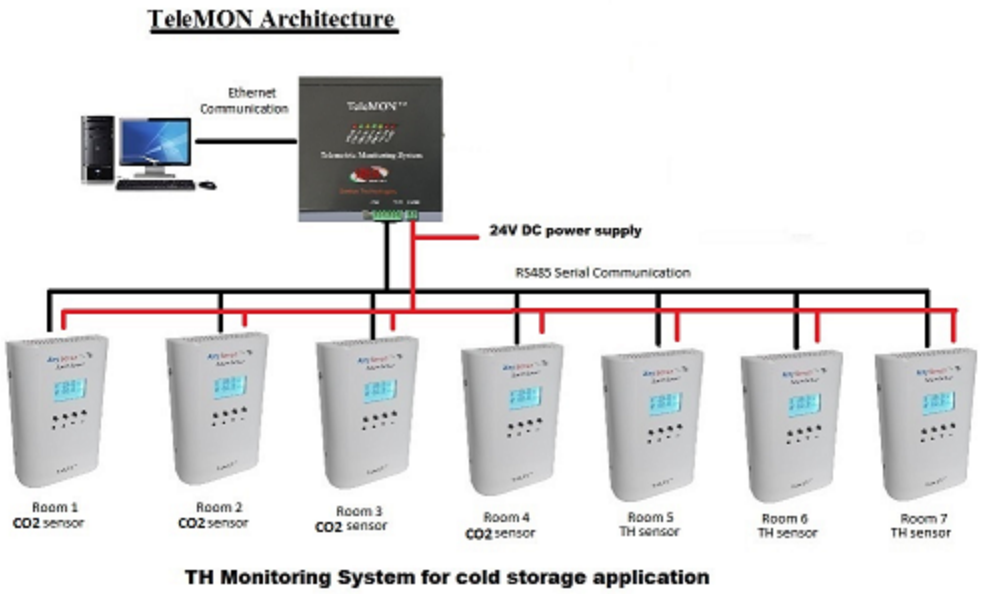
TeleMON Key Features:

- ✓ Aggregation of Multiple TeleMON in the field under a single TeleMON through Modbus TCP Server
- ✓ Get environment data to your remote central place via Ethernet.
- ✓ Remote monitoring of ambient environment, states of auxiliary equipment and signals from other sensors. Remote Control of auxiliary equipment such as valves, breakers, switches, etc.
- ✓ Networked Nodes can be connected to the TeleMON™ on serial network.
- ✓ Up to 32 Networked Nodes can be connected to the TeleMON™ on a serial network so as to reduce wiring.
- ✓ Configurable real time scanning time
- ✓ TeleMON™ can be accessed by remote clients via Ethernet using simple TCP/IP protocol.
- ✓ Up to 5 Clients can connect to TeleMON™ for remote communication.
- ✓ Provision for onboard data logging with real time stamp with configurable periodicity.
- ✓ Front panel LED indications for Device health and Communication Status.
- ✓ Powered using AC/DC.
- ✓ Packaged in industrial grade metallic enclosure with DIN rail mounting or Flange mounting
- ✓ View the data on web browser on PCs, Laptops, and Smart phones.

TeleMON Applications:

- ✓ Monitoring of Ambient Environment at Solar Power Plants, Control Rooms, Machinery Room, Remote Unmanned Stations, Buildings and Complexes, Warehouses, Cold Storage areas, Hospitals, etc.
- ✓ Monitoring of Temperature and Humidity inside the Server racks, and Data Centers
- ✓ Monitoring and Supervisory Control of HVAC systems, Lighting, Water Supplies, Garden irrigators, Fountains, etc.
- ✓ Web based monitoring and control of the parameters in real time and trending in real time and of historical data, which makes accessing data and visualization simple.

Architecture



Electrical Specifications

Input Power	12-24VAC/DC 85-265VAC, 47-63Hz (Optional)
Communication Ports	2 x RS485 for **Modbus-RTU** Comm. 1 x 10/100MBPS Ethernet for Web Access
Indicators	Power & Error LEDs Serial Port activity LEDs Ethernet Port activity LED
Connector	2 x 3 pluggable Screw Terminal **RS-485** Comm. 1 x 2 pluggable Screw Terminal for Power Input1x RJ45 Ethernet port
Protection	Reverse Polarity protection Short Circuit Protection 4kV ESD Protection for Power & Communication lines

Mechanical Specifications

Dimension	100mm x 100mm x 60mm (approx.)
Weight	300g (approx.)
Mounting	DIN Rail

Environmental Specifications

Operating Temperature	0°C - 60°C
Operating Humidity	10 % - 95 % RH
Ingress protection	IP 30

Hardware

Processor	Fan less CPU – ARM Speed up o 475MHz software malfunction protection watchdog timer
Interfaces	RJ45 for Ethernet RS485 screw terminals for serial communications

Software

Operating System	LINUX 2.6
Application software	Web based GUI for Configuration & Monitoring Modbus-RTU on serial comm.
Communication	Ethernet Serial communication

Order code

Sl No.	Description	Order code
1	Ethernet communication(Eth)	**TeleMON-V2**
2	Ethernet and SMS facility	**TeleMON-V3**
3	Eth, SMS, call and Email facility via cloud	**TeleMON-V4**

Contact us.

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