

Two Channel Wireless Data Logger: Wi-Fi-02-UL



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Basic Description: This system is used for multi-point data accumulation e.g. if there are multiple points where temperature & Humidity (or any two analog parameters) are to be monitored and recorded locally. The alarms will be generated locally. Such multiple instruments will be interfaced to a PC through a centralized receiver.

Specifications:

Input – Analog 1: PT100 / PT1000 / 4 – 20 mAmp / 0 – 5 VDC

Input – Analog 2: PT100 / PT1000 / 4 – 20 mAmp / 0 – 5 VDC

(For Both inputs the type is Factory Selectable)

Excitation Voltage: Excitation Voltage for sensors is generated through the data logger keeping the sensor alive on the internal battery in case of main power failure.

Display: 16 Character x 2 Line alphanumeric LCD Display

A-D Converter: 18 Bit Analog to Digital Converter

Logging Interval: 1 Sec. to 1hour (User Selectable)

Logging Types: Continuous / Value Triggered / Time based

Data Storage: 60,000 Samples (Expandable to 120,000 Samples)

Data Retrieval: Data Retrieval on a PC through Wireless receiver

Real Time: Internal Real Time Clock with Battery Back Up

Output: Wireless Communications (2.4GHz License Free)

Alarm: Local Audio – Visual alarm

Operating Power: Mains Power operated adapter / charger provided with the system with Internal rechargeable Li-Ion battery.

Operating Time: Approx. 12 Hours when fully charged

Battery Life: Approx. 4 Year

Application Areas:

Blood Banks, Pharmaceutical store rooms, Deep Freezer Temperature Monitoring, HVAC room temperature monitoring, Plastic molding plants, applications where production / production parameters are need to be monitored centrally.

Optional Features:

USB port for each data logger to download the stored data locally

GSM (SMS Facility) in the receiver to report the alarming conditions to the concerned persons over SMS