



CONVERGING UNIVERSE

Thermocouple WIFI Node



Thermocouple LoRaWAN Node can take any K type thermocouple and send data to LoRaWAN Network over a regular interval or based on event/Alarm. Using WiFi thermocouple data can be send over network using HTTP/MQTT/Modbus TCP. Making it ideal for both process monitoring as well as sending data to cloud

Key Features at a glance:

Application Areas:



WiFi Connectivity



Smart Irrigation



Compact Din Rail Mounting



Cold Chain monitoring



Rugged Durability



Machine Health Monitoring



Comprehensive Safety And Reliability



Smart Logistics



Personal Support for your Implementation



Utility Management



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Specifications

| | |
|-------------------|---|
| Input Power | Unregulated 9 – 24 VDC/Battery Powered |
| Power Consumption | Less than 1 W @ 12 VDC |
| Protections | Reverse Polarity, Overvoltage (+/- 35 VDC), Short Circuit, Transient Voltage, TVS/ESD |
| Connector | 5mm pitch screw terminal blocks |
| Enclosure | ABS Enclosure |
| Installation Type | Plug and Play |
| Dimensions | Modular Architecture (130mm x 70mm x 50mm) |
| Warranty | 12 Months from date of installation or 18 Months from date of delivery (whichever is earlier)* |

Sensor

| | |
|-----------------|----------------------------|
| Input | K type thermocouple |
| Resolution | 0.25 C |
| Measuring Range | 0-700 C |

Wireless Transmitter

| | |
|-------------------|-----------------------------|
| Antenna | 2 dB/Inbuilt |
| Wireless Protocol | WIFI |
| Frequency band | 2.4 GHZ |
| Protocol Support | HTTP/MQTT/MODBUS TCP |
| Data Format | JSON/ MODBUS |



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| Environment | |
|-----------------------|------------------------------------|
| Operating Temperature | 0 to 65°C |
| Storage Temperature | -10 to 70°C |
| Operating Humidity | 5 – 95% RH (non-condensing) |

| Mounting | |
|--------------------|---|
| Built Architecture | Modular |
| Mounting | DIN Rail Mountable, Wall Mountable |
| Installation | Plug and Play Device |

| ORDERING INFORMATION | |
|---------------------------|---------------------|
| Product Name | Product Code |
| Thermocouple LoRaWAN Node | XXXX |

Dimensions (all units in mm)

