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CONVERGING UNIVERSE

Thermocouple LoRaWAN 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. LoRaWAN provide much larger range making it ideal for remote monitoring applications.

Key Features at a glance:

- LoRaWAN Compliant
- Compact Din Rail Mounting
- Rugged Durability
- Comprehensive Safety And Reliability
- Personal Support for your Implementation

Application Areas:

- Smart Irrigation
- Cold Chain Monitoring
- Machine Health Monitoring
- Smart Logistics
- Utility Management

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**
Frequency band	**BW: 125kHz; 865MHz (865.00~867.00)**
Modulation	**LoRa Modulation**
Data Rate	**625bps--50kbps**
Power	**22dBm**
Range Of Communication	**Around 3 Km at clear Line of sight**

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)