

rEye Sigfox Adaptor

RTD + 2 DRY CONTACTS

KEY FEATURES



Plug n Play with Standard Industry Interfaces

RTD (PT100/1000), Dry Contacts



Low Power Consumption

Runs on Battery Power for Years



Connects to **Low Cost**, Long Range SIGFOX **Wireless IoT Network**

No additional network infrastructure required

rEye-SFX: C

OUTPUT



Wireless Protocol : Sigfox RC4, 920-922 Mhz, upto 24dBm

Number of Transmissions (*selectable*) : max 140 per day

Data Payload: 12 bytes data per transmission

Connects to : Sigfox Global Public Network

Compliance: IMDA, Sigfox Ready Class 0, FCC/CE Module

BODY

Dimensions: 10cm x 10cm x 4cm

Ingress Protection: IP67 Capable

Material: Flame Resistant ABS / ASA

Mounting Options: Wall / Pole / Bracket

Operating Temp: -20 to +50 deg C



APPLICATIONS

RTD / Temperature Sensor

Freezer / Cooler Temp Monitoring

Server Room Temp Monitoring

Industrial Process Temp Monitoring

Art Gallery Temp Monitoring

Environmental/Ambient Temp Monitoring

Greenhouse Temp Monitoring

Cold Chain Monitoring

Boiler/Heater Temp Monitoring

Surface Temp Monitoring

Dry Contact Sensor

Door Open / Close Monitoring

Water / Liquid Leak Monitoring

PLC / Controller Alerts

Process (Level, Pressure) High/Low Switch

Fire Panel Remote Monitoring

INPUTS

1 x RTD : PT100 / PT1000 Temperature Sensor Compatible

2/3/4 wire Connections available

Adjustable Sampling Rate

2 x Digital Inputs: Dry Contacts (NO/ NC)

Sensor Input Interface: Screw Terminals



POWER SUPPLY

2 x Lithium Thionyl Chloride Batteries: Each 3.6V, 4000mAh, Size: 18505

External Supply Option: 9 to 24Vdc Stable Power Supply



MODES & SETUP

Bluetooth SMART

rEye Android App: RTD Sensor & Sigfox Settings over BLE

Modes: Event-based (alerts) and/or Interval Based Transmission



Device to Cloud : Data is processed and stored by rEye IoT Cloud

IoT Dashboards : Customizable dashboards to visualize data & alarms

System Integration : RESTful APIs to integrate with customer applications

SMS / Email Alerts : Provision to send alerts or updates to stakeholders