

rEye Sigfox Adaptor

RS485 / MODBUS + 2 DRY CONTACTS

KEY FEATURES



Plug n Play with Standard Industry Interfaces
RS485/Modbus, 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: A



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

Energy Monitoring

Power Meter Reading, Current Load, Battery Status

Process Monitoring

Level, Flow, Pressure, Temperature

Safety & Security

Motion Detection, Fire & Gas Alarm

Machine / Structure Monitoring

Vibration, Inclination, Temperature, Load, Proximity, Fault

Environmental Monitoring

Temperature, Humidity, Noise, Leak, Air & Water Quality

and many more.....



INPUTS

1 x RS485 : 2-Wire Interface, MODBUS RTU Protocol, upto 15 slaves, Optional Termination Resistor, baud rate upto 115200 bps
2 x Digital Inputs: Dry Contacts (NO/ NC)
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



rEye Mobile App: MODBUS & 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