IQnexus

LoRaWAN™
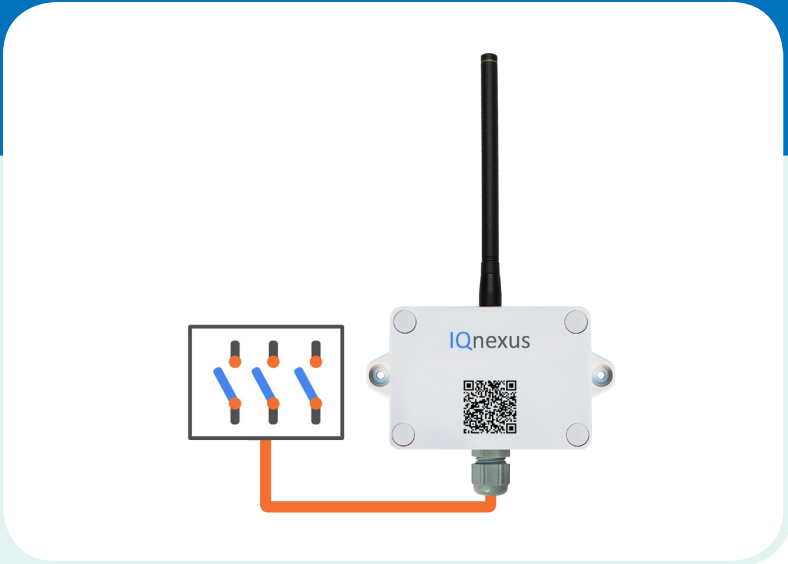
Wireless Digital Input Sensor for Dry Contacts

Ready-to-use wireless sensor to monitor up to three digital inputs (dry-contacts). The sensor is transmitting on event and send out a periodically heartbeat message.

Three dry-contacts can be monitored by a single sensor providing significant reduction of costs for implementation and deployment.

MAIN FEATURES

- Door-Open/Closed, Equipment Status
- Up to three Dry-Contacts per Sensor
- Event based and heart-beat transmission
- High in-house penetration
- Over The Air (OTA) configuration
- Up to 10 years operation with low battery alert
- AS923/AUS915 LoRaWAN AUS/NZ compliant
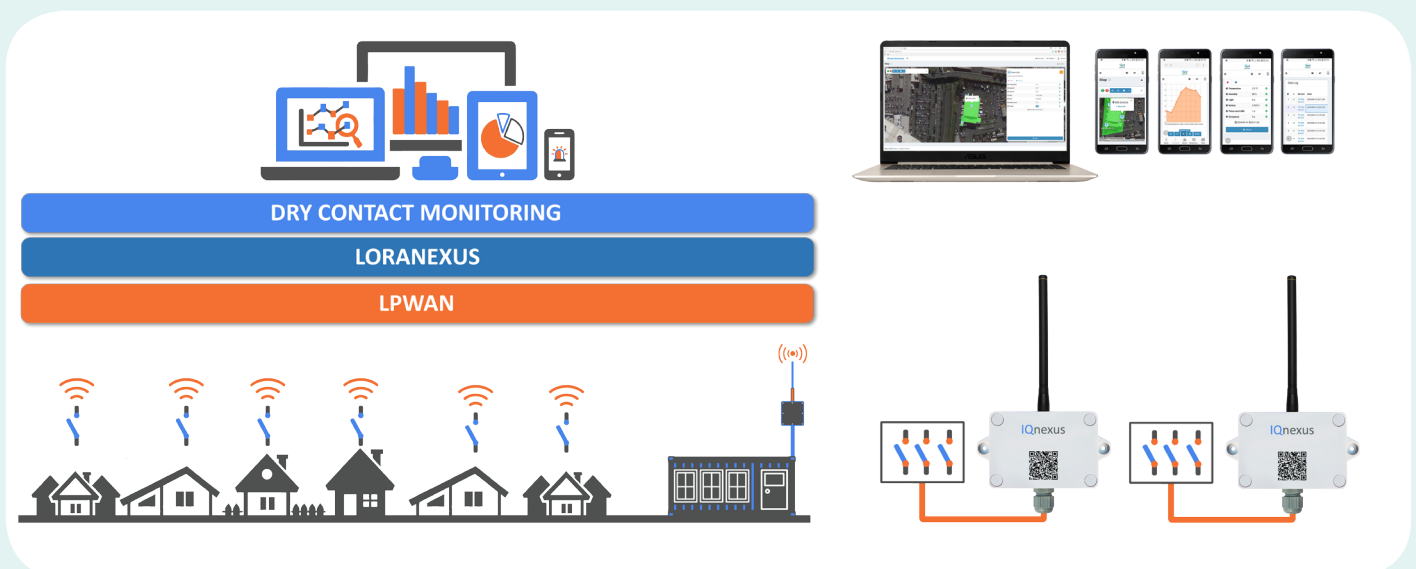
VERSIONS

Optional ModBus with external I/O Modules

RADIO COMPLIANCE

- EU868, AU915, AS923, US915
- RCM mark for AUS/NZ
- AS/NZS 4268, AS/NZS CISPR
- Frequency Range 860-928 MHz

CONFIGURATION

Configuration via the LoRaWAN network of, periodicity, real-time-clock and data encryption.
Event based, change of value and periodic heartbeat transmission.

DRY CONTACT MONITORING

LORANEXUS

LPWAN

Wireless Digital Input Sensor for Dry Contacts

Features	
Model Name	SEN-DIGITAL
Frequency Band	EU868, AU915, AS923 and US915 (other frequencies on request)
Transmission Range	Urban Environment Radius – 15 km
WAN Protocol	LoRaWAN 1.0.2
Modulation	Based on LoRaWAN
RF Transmitter	SX1276
Receive Sensitivity	-140 dBm
Operating Temperature	-40°C ~ 60°C
Storage Temperature	-20°C ~ 60°C
Sensors	3 Digital Inputs for Dry Contacts
Power Voltage	3.6 V Nominal
Battery	2 non rechargeable AA Lithium Batteries
Antenna Type	External SMA
Ingress Protection	IP64 (IP67 on request)
Dimensions	L 83mm x W 63mm x H 33mm
Weight	80 g (145 incl. Batteries)
Mounting	Flanged box mounted with two screws