

LANSEN

Input module dry contact

LAN-MIOTY-DC-NO/NC

DEVICE

This device from Lansen can be used for monitoring dry contacts, such as relays to a motor or reed switches to a valve, and alerts as soon as the dry contact switches status.

Much care have been taken to design a sleek, good looking device with high security and performance. The design allows for discrete integration.

FIRMWARE

MODES mioty ETSI TS-103-357
ENCRYPTION Network: AES128 encryption

INTERVAL

TRANSMISSION 120 min and immediately when input signal is changed

MIOTY DATA

INPUT SIGNAL Total window/door openings
Current status
Opening occurred past 5 min, 10 min or 24 hours ago
Duration of last alarm

OPERATING Total operating (years)
Run time since powerup (years)

BATTERY Current battery voltage

LOW BATTERY Low battery (2,6V)

TAMPER DETECT Product opened or removed from the wall
(optional, not included in standard product)

POWER/LIFETIME

POWER SUPPLY ER14505 3.6V Li-SOCI2 replaceable battery

VOLTAGE 2.0 to 3.6V

LIFESPAN 14 years expected*, standard configuration and recommended operating temperature

RADIO 14 dBm (25mW) output power to antenna
ERP up to typical: 13 dBm (20mW)

DRY CONTACT 2.2 M ohm internal pull-up

GENERAL INFORMATION

STANDARDS 2014/53/EU (RED)

CASING UV stabilized white, ABS

SIZE 25.5 x 105 x 22 mm

OPERATING CONDITIONS

RADIO TRANSMITTER Max: -30° to +85°. Recommended +5° to +50°

RELATIVE HUMIDITY Non-condensing

DEVICES

LAN-MIOTY-G2-DC-NO Dry contact normally opened.
LAN-MIOTY-G2-DC-NC Dry contact normally closed.

PERFORMANCE

The device has a robust design with optional tamper detection if opened or removed from the wall. If the tamper detection is mounted, a message is sent if sabotage is detected or restored.

The battery level is continuously monitored and a low level warning is issued when battery is nearing depletion.

MEASUREMENTS

The device can monitor up to two dry contacts (input signal) and continuously checks the status of the dry contacts.

The total number of openings and current opening status is sent periodically and a message is also sent as soon as the device detects a change in the input signal. This makes the sensor ideal for monitoring things such as motors or valves. Furthermore, the data from the device is protected using the mioty ETSI TS-103-357 encryption.



*The expected battery lifetime stated is based on simulations and true measurements at 25°C and is valid to the best of our ability but not a guarantee. The calculations and measurements can be sent upon request for your reference. The lifetime also depends changes on the I/O data. The lifetime is calculated with 24 status changes every 24 hours.