/Door and window detector with including magnet



mioty

This door and window detector uses a reed relay to sense when a door or window is opened or closed and sends an alert over mioty.

An additional door or window can be monitored by adding an external reed relay accessory.

The sleek design allows for discreet integration in any home environment.

LAN-MIOTY-M2 | LAN-920-0056

PERFORMANCE

The device has a robust design and the battery level is continuously monitored and a low level warning is issued when battery is nearing depletion.

MEASUREMENTS

The total number of openings and current opening status is sent periodically. The sensor also send a message as soon as it detects a change in status (door/windows opened or closed). This makes the sensor ideal for integration in data collecting systems, for energy management and HVAC-control or for knowing if doors are opened or closed. The data from the device is protected using the mioty ETSI TS-103-357 encryption.

EXTERNAL REED RELAY WITH MAGNET

Two doors or windows can be monitored with one detector with the addition of an external reed relay, available separately.

FIRMWARE

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

INTERVAL

TRANSMISSION	120 min and immediately when door/window is opened/closed (up to three openings/closings within 20 minutes)

MIOTY DATA

ALARM	Total window/door openings Current status Opening occured 5 min, 10 min or 24 hours ago Duration of last alarm
OPERATING	Total operating time of device (years) Run time since powerup (years)
BATTERY	Battery voltage
LOW BATTERY	Low battery (2,6V)

POWER/LIFETIME

POWER SUPPLY	ER14505 3.6V Li-SOCl2 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)

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: 0° to +85°. Recommended +5° to +50°
RELATIVE HUMIDITY	None condensing

ACCESSORIES

External cable connected reed relay

Magnet kit (extra strong magnet)

Plastic design shell for magnet kit

**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 number of door/window openings. The lifetime is calculated with 24 status changes every 24 hours.

Specifications in this document are subject to change without notice.