

## DEVICE

The Lansen door and window device alerts as soon as a door or windows is opened or closed. It is possible to use an external reed relay and magnet, as well the internal onboard reed relay to increase the functionality of the device.

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

## PERFORMANCE

The device has a robust design with tamper detection if opened or removed from the wall. 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. The voltage level is sent as well as the low level warning.

## FIRMWARE

MODES	C, T or S mode (868MHz)
INTERVAL	Immediately / 15 minutes.
REPETITION	3 times.
ENCRYPTION	AES128 encryption OMS mode 5

## WARNINGS

TAMPER DETECTION	Product opened or removed from the wall
BATTERY	Low battery

## POWER/LIFETIME

POWER SUPPLY	3.6V Li-SOCI2, AA battery
VOLTAGE	2.2 to 3.6V
LIFESPAN	16 years typical

## GENERAL INFORMATION

STANDARDS	EN 300-220, EN 301-489, EN 60950-1 EN 13757-3/4:2013, OMS 3.0.1
TEMPERATURE	-20° / +55°
RELATIVE HUMIDITY.	None condensing
COLOR	White
SIZE (W x H x D)	25.5 x 105 x 22 mm
MATERIAL	ABS

## DEVICES

LAN-WMBUS-M	Door and window device
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## ACCESSORIES

LAN-GB-A	Glass break detector.
LAN-EXT-MAG-A	External cable connected reed relay.

## USAGE

The device consist of two parts; a magnet and a sensor. A Wireless MBUS message is sent every time these are separated or rejoined.

## MEASUREMENTS

The total number of openings is sent every 15 minutes using the Wireless MBUS protocol. This makes the sensor ideal for integration in data collecting systems, for energy management and HVAC control.

The data from the device could also be protected using the AES128 encryption compliant with OMS standard. Data is normally repeated 3 times to "guarantee" delivery.

## GLASS-BREAK DETECTOR

The device could be further enhanced by using a glass-break detector mounted on a window. This allows the device to alert if a window is opened or when it is damaged.

## CONFIGURATION

The devices can be ordered with customized configuration, such as:

- specific manufacture code, etc.
- encryption

