

## 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. This status is transmitted in every packet.

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

## FIRMWARE

MODES	Configurable C, T or S
INTERVAL	Configurable 60s - 1 hour
ENCRYPTION	AES128 encryption OMS mode 5, Profile A. Configurable ON/OFF, and KEY
STANDARD	T1-Mode, 90 seconds, Encryption ON.

## WARNINGS

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

## POWER/LIFETIME

POWER SUPPLY	3.6V Li-SOCI2, AA battery
VOLTAGE	2.4 to 3.6V
LIFESPAN	14 years typical, depending on configuration and operating temperature.
RADIO	14 dBm output power to antenna

## GENERAL INFORMATION

STANDARDS	2014/53/EU (RED) EN 13757-3/4:2013, OMS 4.0.2
TEMPERATURE	-40° to +85°
RELATIVE HUMIDITY.	None condensing
COLOR	White
SIZE (W x H x D)	25.5 x 105 x 22 mm
MATERIAL	ABS

## DEVICES

LAN-WMBUS-M2	Door and window device
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## ACCESSORIES

LAN-GB-A	Glass break detector.
LAN-EXT-MAG-A	External cable connected reed relay
LAN-CF-CABLE	USB Configuration cable.

## MEASUREMENTS

The total number of openings and current opening status is sent periodically 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.

## GLASS-BREAK DETECTOR

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

## CONFIGURATION

The MBUS mode, transmission interval and encryption can be configured using a USB configuration cable connected to a PC.

