

### DEVICE

The Lanssen door and window device alerts as soon as a door or window is opened or closed thanks to its internal onboard reed relay. The functionality can be increased further by adding an external reed relay and magnet to monitor, for example, another window.

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. and as soon a door / windows has closed / opened

### WARNINGS

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

### POWER/LIFETIME

POWER SUPPLY	ER14505 3.6V Li-SOCI2 battery
VOLTAGE	2.4 to 3.6V
LIFESPAN	14 years typical, depending on configuration, operating temperature and number of openings.
RADIO	14 dBm output power to antenna

### GENERAL INFORMATION

STANDARDS	2014/53/EU (RED) EN 13757-3/4:2013, OMS 4.0.2
CASING	White, ABS, 25.5 x 105 x 22 mm

### OPERATING CONDITIONS

RADIO TRANSMITTER	Max: -30° to + 85° Recommended +5° to +50°
RELATIVE HUMIDITY	None condensing

### DEVICES

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

External cable connected reed relay
USB Configuration cable

### 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. (the door / windows have been 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 AES128 encryption compliant with OMS standard.

### EXTERNAL REED RELAY WITH MAGNET

An external reed relay can be connected to the device so that another window or door can be monitored. In other words, by adding an external reed relay, up to two windows/doors can be monitored and the device will alert if one of them are opened or closed.

### CONFIGURATION

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

