

# LANSEN

Water/flood leakage detection

LAN-WMBUS-G2-LDS/LDP

## DEVICE

The Lansen leakage detector alerts as soon as water is detected. The device detects water leakage on the floor when connected to a sensor cable or other sensor that conducts current when exposed to water. Much care have been taken to design a sleek, good looking device with high security and performance. The design allows for discrete integration when used in home environment.

## FIRMWARE

MODES	Configurable C-, T- or S-mode (selectable on order)
SEND INTERVAL	Configurable 60s - 1 hour (selectable on order)
SAMPLE INTERVAL	30 seconds
ENCRYPTION	AES128 encryption OMS mode 5, Profile A. Configurable ON/OFF, and custom KEY
<u>STANDARD</u>	T1-Mode, 90 seconds, Encryption ON, unique key.

## WARNINGS

BATTERY	Low battery
LEAKAGE DETECTED	Leakage detected
VISUAL	Leakage detected (Red LED)

## POWER/LIFETIME

POWER SUPPLY	ER14505 3.6V Li-SOCI2 battery.
VOLTAGE	2.4 to 3.6V
LIFESPAN	14* years typical, standard configuration and operating temperature.
RADIO	14 dBm (25 mW) output power to antenna. ERP typical: 13 dBm (19.95 mW)
BATTERY	Soldered (G2-LDP) or battery holder (G2-LDS)

## GENERAL INFORMATION

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

## OPERATING CONDITIONS

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

## DEVICES

### LAN-WMBUS-G2-LDS

Transmitter / no cables / battery holder

### LAN-WMBUS-G2-LDP

Transmitter / premounted 1 m non-active cable / soldered battery

### LAN-WMBUS-G2-LDP-KIT-1

Transmitter / premounted 1 m non-active cable / 1 m active cable / soldered battery / 5 mounting clips

## ACCESSORIES

Leakage cables  
Mounting clips  
USB Configuration cable

## PERFORMANCE

The device has a robust design equipped with long lasting high performance battery, The battery level is continuously monitored and a low level warning is issued when battery is nearing depletion. Up to two leakage cables can be connected to the device for simultaneous monitoring (only for G2-LDS).

## USAGE

The device can be used where there is a concern that leakage could occur, such as under the dishwasher, in the basement, or wherever there is a junction that is of concern.

Devices are started by just dipping the leakage cable into water for 5 seconds. This ensures full functionality during installation.

## MEASUREMENTS

Every message contains the leakage status and the message is sent at fixed interval (configurable) or as soon as leakage is detected. Note that the device checks for leakage once every 30 seconds.

The data from the device is protected using the AES128 encryption compliant with OMS standard.

## CONFIGURATION

The MBUS mode, transmission interval and encryption can be configured using a Lansen configuration USB-cable.



\* 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.