

LANSEN

Water leakage detection

LAN-MIOTY-G2-LDS/LDP

DEVICE

The Lansen leakage detector alerts as soon as water is detected. The device detects water leakage 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 in home environment.

USAGE

The device can be used where there is a concern that leakage could occur, such as under the dishwasher, in the basement, pipes, or wherever there is a junction that is of concern. Device is started by just dipping the leakage cable into water for 5 seconds.

FIRMWARE

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

INTERVAL

SAMPLE Check for leakage every 30 seconds
TRANSMISSION 60 minutes or when leakage is detected/restored

MIOTY DATA

LEAKAGE Leakage status now & last 24 hours
Current leakage sensing level
Duration of last leakage
BATTERY Battery voltage
OPERATING Total operating time (years)
Run time since powerup (years)
BATTERY Low battery (2.6V)
NOT ACTIVATED If device has not been activated yet

POWER/LIFETIME

POWER SUPPLY ER14505 3.6V Li-SOCI2 battery.
Soldered non-replaceable battery (G2-LDP) or
battery holder (G2-LDS, optional for G2-LDP)
VOLTAGE 2.4 to 3.6V
LIFESPAN 14 years expected*, standard configuration and
recommended operating temperature.
RADIO 14 dBm (25mW) output power to antennas
ERP up to typical: 13 dBm (20mW)

GENERAL INFORMATION

STANDARDS 2014/53/EU (RED)
MATERIAL White, ABS
SIZE (W x H x D) 32 x 88.5 x 25.5 mm

OPERATING CONDITIONS

RADIO TRANSMITTER Max: 0°C to +85°C
Recommended: +5°C to +50°C
RELATIVE HUMIDITY Non-condensing

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.

The model G2-LDP has one leakage cable while G2-LDS supports up to two leakage cables for simultaneous monitoring of two areas.

MEASUREMENTS

Every message contains information such as leakage status and duration of current alarm. The message also gives information about current leakage sensing level which can give early indication of small water leakage that is not large enough to trigger an alarm.



*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.

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Specifications in this document are subject to change without notice

v.1.2