LANSEN
Water leakage detection

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 when in home environment.

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 while G2-LDS supports up to two leakage cables for simultaneous monitoring of two areas.

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 are of concern. Devices with soldered battery (G2-LDP) is started by just dipping the leakage cable into water 5 seconds.

MEASUREMENTS

Every message contains information such as leakage status, number of days since last leakage, duration of last leakage detection, how many years the device has been operating, and current battery voltage. A message is sent once every 60 minutes from the device or as soon as leakage is detected.

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

FIRMWARE
MODES	MIOTY ETSI TS-103-357

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

WARNINGS
BATTERY	Low battery
LEAKAGE	If leakage has been detected
ACTIVATION	If device has not been activated yet.

POWER/LIFETIME
POWER SUPPLY	ER14505 3.6V Li-SOCl2 battery
VOLTAGE	2.4 to 3.6V
LIFESPAN	14 years typical
RADIO	14 dBM (25mW) output power to antennas

GENERAL INFORMATION
STANDARDS	2014/53/EU (RED)
	MIOTY ETSI TS-103-357
MATERIAL	White, ABS
SIZE (W x H x D)	32 x 88.5 x 25.5 mm

OPERATING CONDITIONS
RADIO TRANSMITTER	Max: -30^0 to $+85^0$ Recomended $+5^0$ to $+50^0$
RELATIVE HUMIDITY	Non-condensing

v.1.0