

## DEVICE

The ambient temperature and humidity device from Lansen is a plug-and-play room temperature and humidity transmitter. Much care has been taken to design a sleek, good looking device with high security and performance. The design allows for discrete integration when mounted 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.

The battery level is continuously monitored and a low level warning is issued when battery is nearing depletion. The voltage level is sent as well as the low level warning.

## TEMPERATURE SENSOR

The on-board temperature sensor is highly accurate in the entire temperature range, with typical accuracy  $\pm 0,3^{\circ}$ .

## HUMIDITY SENSOR

The on-board humidity sensor is highly accurate in the entire temperature range, with typical accuracy  $\pm 3\%RH$ .

## MEASUREMENTS

Temperature and humidity is measured every 15 minutes and the data is sent using the Wireless MBUS protocol. This makes the sensor ideal for integration in data collecting systems.

The data from the device could also be protected using the AES128 encryption compliant with OMS standard.

Data is normally repeated 3 times to "guarantee" delivery.

## CUSTOMIZATION

The devices can be ordered with customized configuration, such as:

- specific transmission interval, manufacture code, etc.
- encryption

## FIRMWARE

MODES	C, T or S mode (868MHz)
INTERVAL	15 minutes
REPETITION	3 times
ENCRYPTION	AES128 encryption OMS mode 5

## WARNINGS

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

## POWER/LIFETIME

POWER SUPPLY	3.6V Li-SOCI2, AA battery
VOLTAGE	2.2 to 3.6V
LIFESPAN	16 years typical

## GENERAL INFORMATION

STANDARDS	EN 300-220, EN 301-489, EN 60950-1 EN 13757-3/4:2013, OMS 3.0.1
TEMPERATURE	-20° / +55°
RELATIVE HUMIDITY	None condensing
MATERIAL	White, ABS
SIZE (W x H x D)	25.5 x 105 x 22 mm

## DEVICES

LAN-WMBUS-G-TH	Ambient Sensor for temperature/humidity
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