

PULSE COUNTER AMR-Wireless M-BUS

DEVICE

The pulse counter device from Lansen is a plug-and-play pulse-counter 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.

MOUNTING

The device can be mounted directly on the wall with sabotage function. An adapter can also be ordered for DIN-Rail mounting.

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
MINIMUM PULSE	5 ms

DEVICES

LAN-WMBUS-G-P	Pulse counter device
LAN-WMBUS-G-OPP	Pulse counter with optical probe

PULSE COUNTER

It is possible to count pulses from two devices simultaneously. These devices could be for example water meters, electricity meters (connected to the S0 port), etc. The advanced debouncing algorithm makes sure that only correct pulses are counted for high reliability. Pulses from LEDs can also be counted using an optical probe.

MEASUREMENTS

The total number of pulses is sent every 15 minutes 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.

