

LANSEN

AC power Finder

LAN-WMBUS-G2-ACF

DEVICE

This device from Lansen is a plug-and-play OMS transmitter for monitoring power loss on an AC power cable. The device monitors if there is power on an AC cable and alerts when power loss on the cable is detected.

Much care have been taken to design a sleek, good looking device with high security and performance.

PERFORMANCE

The device has a robust design and is 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.

FIRMWARE

MODES	Configurable C-, T- or S-mode (selectable on order)
INTERVAL	Configurable 60 s - 1 hour (selectable on order)
ENCRYPTION	AES128 encryption OMS mode 5, Profile A. Configurable ON/OFF and custom KEY
STANDARD	T1-mode, 120 seconds. Encryption ON, unique key

WARNINGS

AC POWER LOSS	No AC power detected
BATTERY	Low battery

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	Battery holder

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-ACF Transmitter including attachment for AC cable

MEASUREMENTS

Every message contains the current status and the message is sent at fixed interval (configurable) or as soon as power loss is detected or when power is restored.

The data is sent using the wireless M-Bus protocol OMS compliant and this makes the sensor ideal for integration in data collecting systems or drive by solutions. Furthermore, the data from the device is protected using the AES128 encryption compliant with OMS standard.

INSTALLATION

The included attachment is mounted directly on the AC cable to be monitored using just zip ties.

The transmitter is preferably mounted on a wall.

CONFIGURATION

The MBUS mode, transmission interval and encryption can be configured using a USB configuration cable connected to a PC.



* 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.