

HAN Adapter - P1 Transmitter

DEVICE

This P1 to wireless M-Bus converter from Lansen is a plug-and-play device for seamless integration of Swedish P1-equipped energy meters with Wireless M-Bus data collection systems.

PERFORMANCE

The internal radio antenna is optimized for 868MHz and is tuned for mounting on concrete, wood or plaster.

MEASUREMENTS

Every message contains the current status and the message is sent at fixed interval (configurable) or as soon as there is a change in the input.

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

INSTALLATION

Simply connect the the pre-attached RJ12 cable to the P1 port of the electricity meter.

The transmitter can be mounted with tape or screws.

CONFIGURATION

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



FIRMWARE

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|------------|--|
| MODES | Configurable C-, T- or S-mode |
| INTERVAL | Configurable 20 s - 1 hour |
| ENCRYPTION | AES128 encryption OMS mode 5, Profile A. Configurable ON/OFF and custom KEY |
| STANDARD | T1-mode, 20 seconds. Encryption ON, unique key |

POWER

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|--------------|---|
| POWER SUPPLY | P1 port or optional power splitter |
| VOLTAGE | 5V |
| RADIO | 14 dBm (25 mW) output power to antenna. ERP typical: 13 dBm (19.95 mW) |

GENERAL INFORMATION

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|------------------|--|
| 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 × 105 × 22 mm |

OPERATING CONDITIONS

| | |
|-------------------|-----------------------|
| RADIO TRANSMITTER | Max: -30 °C to +85 °C |
| RELATIVE HUMIDITY | None condensing |

Specifikationerna i detta dokument kan ändras utan föregående meddelande.