

APT-OMS-NA-6

Description

The APT-OMS-NA-6 device is designed for reading residential water meters and wireless data transmission. The transmission is carried out using Wireless M-Bus in accordance with the PN-EN 13757 standard and the Open Metering System Volume 3. The open communication protocol allows compatibility with a wide range of devices forming the structure for remote readings and data transmissions. The device is built on a microprocessor system and the optical sensors used allow, among other things, optical reading of water meter data, recognition of water flow direction, reading The radio is fully compatible with water meter data. The device is resistant to a strong external magnetic field and the battery source allows continuous operation for up to 12 years. The data encryption method is implemented using the AES - CBC 128-bit encryption key algorithm, which provides protection against unauthorized access to the measurement data and ensures the integrity of the data transmitted to the system



Advantages

- easy installation on the water meter without further modifications
- quick and easy setup using mobile devices
- operating in the license-free ISM band of 868 MHz
- data encryption using the encryption algorithm AES - CBC 128-bit encryption keys in accordance with PN-EN-13757-3
- current time with the option to take into account time (winter - summer) and leap years
- the possibility to choose the type of device and the settings of the properties associated with the water meter
- five operating modes for data transfer time can be individually adjusted

Contact

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