

RADIO MODULE APT-OMS-NA-6

Description

Radio module is used to remotely read the amount of water consumption detected by mechanical water meter and wireless transmission of these data using standard W-MBUS.

The mechanical water meter contains a circle with a reflective area. Data about water consumption is acquired by monitoring this reflective area. Even backflow can be detected.

There is no display on the radio module APT-OMS-NA-6.

Construction

APT-OMS-NA-6 consists of a plastic cover with a hole for an infrared diode on top and a transport at the bottom. Cover protect PCB, antenna, and battery. Module uses a 16-bit microprocessor with very low consumption, radio module, and lithium battery. The lower part of the case is attached using 3 screws and protected against leaks using a seal.

Installation APT-OMS-NA-6 on water meter

1. Check reflective area and cover of water meter. In case it is dirty, clean it or use different water meter.
2. Remove paper sensor cover from the module. Keep the cover for covering sensor when replacing.
3. Insert radio module to water meter until you hear locks click and seal the water meter. It is recommended to use plastic seal and paper sticker.
4. Switch radio module to working mode by placing magnet to the body of module for approx. 30 seconds.
5. In case module is supplied with water meter, installation has to be performed by an authorized person.

Technical details

Environment temperature	5 to 50 °C
Power	lithium battery 3 V
Dimensions	70 x 44 x 71 mm
Material	polycarbonate
IP rating	IP 64
Electromagnetic rating	E1
Working frequency	868 MHz
Transmission power	< 5 mW

Transport and storage

Transport

- can be transported by all common covered means of transport
- has to be packaged in original packaging
- devices in original packaging must be transported in a way that prevents its mechanical damage
- must not be transported with aggressive substances

- temperature must be in a range of 0 °C to +55 °C, relative humidity in a range of 45 % to 75 %

Storage

- devices must be packaged in original packaging
- temperature must be in a range +10°C to +30°C, relative humidity in a range of 45 % to 75 %
- devices must be stored in clean covered areas without aggressive substances and stored in a way that prevents mechanical damage.

Disposal



This device is subject to a waste management in accordance with local legislation.

Possible minor faults and their elimination

Any APT-OMS-NA-6 defects should be repaired by manufacturer only.

Warranty terms and conditions

If device is installed and handled according to manufacturer instructions mentioned in Installation and service manual, manufacturer provide warranty under the valid legislation unless agreed differently.

The warranty is void if device was used contrary to Installation and service manual or damaged:

- during transport or storage by customer or reseller
- when mounted or dismantled to the customer device

Declaration of conformity, declaration of directive RoHS

You can find declaration of conformity and declaration of directive RoHS on producer's web page: www.metra-su.cz

Warranty and post warranty repairs

Warranty and post warranty repairs have to be done by manufacturer. Pack the defective product and send back to the address:

APATOR METRA s.r.o.

Havlíčková 919/24

787 01 Šumperk

Tel.: 583 718 263

Fax: 583 718 150

E-mail: prodej@metra-su.cz

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