

WIRELESS MBUS MODULE FOR WATER METER SINGLE JET REMOTE READING

Wireless MBUS Module transmission for single jet water meter remote reading.

Easy to install and configure, it is designed with ultra-low power consumption components and special algorithms for energy savings. In addition to the actual consumption and up to 12 months of historical values, it can detect several fraud attempts against the meters, maximum flow rate exceeded and plumbing system downstream leakage.

Direct installation on the water meter dial.



- Size :** DN15 and DN20
- Connection :** Direct on the water meter dial
- Min Temperature :** +1°C
- Max Temperature :** +55°C
- Protection Class :** IP68
- Specifications :** Wireless M-Bus EN 13757-4
Unidirectional data transmission
Lithium battery 3.6V long life (up to 10 years)
Reading by infrared optical sensor

WIRELESS MBUS MODULE FOR WATER METER SINGLE JET REMOTE READING**SPECIFICATIONS :**

- M-Bus radio EN 13757-4
- One-way data transmission (during operation) encrypted
- Bidirectional data transmission during configuration
- Programmable data transmission frequency
- 3.6 V Li-SOCl₂ lithium battery
- Battery lifetime 10 years + 1 year data backup (in optimal conditions)
- Reading by infrared optical sensor
- Magnetic / optical anti-fraud protection
- Anti-fraud protection by sealing and self-destructing label
- Clip-on module directly on the meter
- Protection class IP68

USE :

- Water distribution
- Min and max temperature Ts : +1°C to 55°C

RANGE :

- Wireless M-BUS module for single jet water meter ref.1701/1702/1740/1746 **Ref. 1749001**

WIRELESS MBUS MODULE FOR WATER METER SINGLE JET REMOTE READING
SPECIFICATIONS :

For water meter	Single jet
Data	Ref. 1749001
Transmission frequency	868 MHz $\leq$ 10mW
Measure Sensibility ²	1 liter
Power supply	Lithium battery 3.6V
Size (mm)	30 x 67 x 67
Weight (Gr)	43
Configuration	With wireless receiver 1749007 and software 1749014
Transmitted data	Consumption Total of backward flow 12 monthly historical values battery status Alarms
Alarms	Discharged battery Module removal Magnetic fraud attempt Max flow rate overlapping Backward flow Leakage detection
Signal coverage in optimal place (meters)	Up to 300
Signal coverage in building (meters)	Up to 50

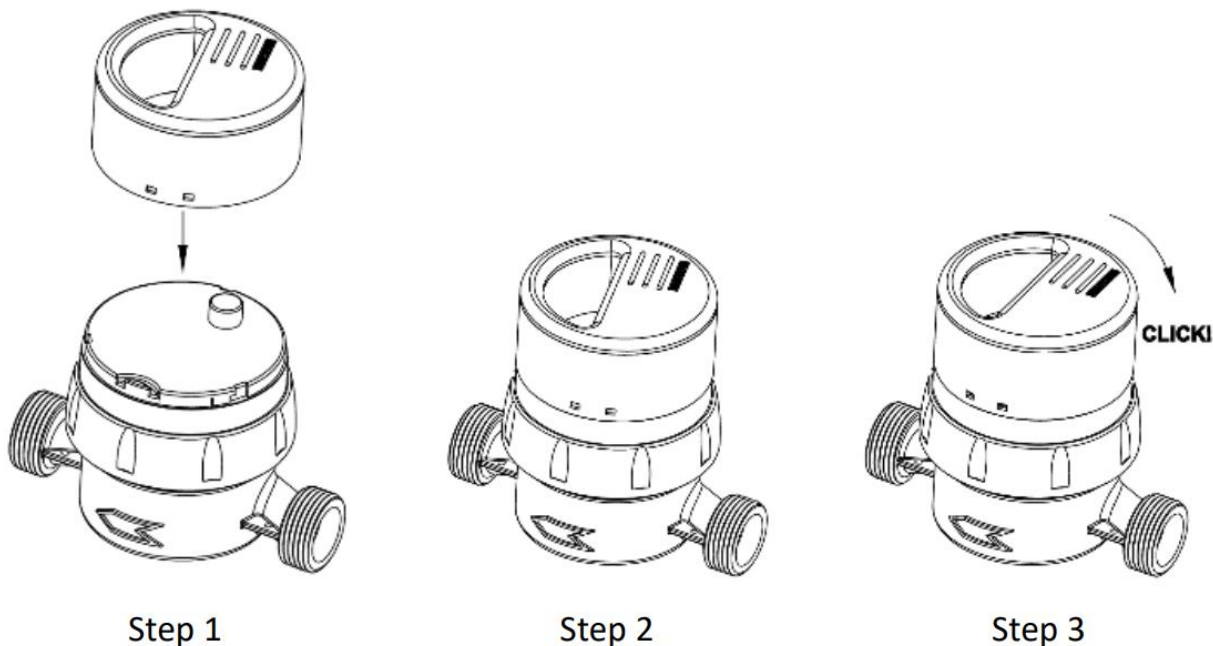
WIRELESS MBUS MODULE FOR WATER METER SINGLE JET REMOTE READING

Installation :

It is recommended to install the modules away from metal objects or any potential radio shielding, in a place protected from tampering. For its functioning, the device must be configured by using the B METERING software. The installer has the task of checking the propagation conditions of the radio signal during installation.

Commissioning :

Configure the radio module by using the 1749007 receiver and the B METERING Software. To complete the configuration process, press the red button located on the lower plate of the module. During the configuration process, the red LED will start to blink. The configuration can be considered as successfully completed when the red LED keeps blinking for 20 seconds or so. If the red LED blinks for a couple of seconds only, the configuration wasn't successful and it will be necessary to repeat the procedure. For the complete configuration instructions, please refer to the software manual. Once the configuration is completed, connect the module on the meter as shown in the picture. It is absolutely necessary to pair the optical index of the meter inside the hole placed on the plate of the module. With one hand, keep the meter rotating dial steady, with the other hand press then carefully the module and turn it in a clockwise direction to lock it to the meter. Check on the reading software the correct data collection and check that no alarm is active. To avoid possible frauds on the module, it is possible to insert the orange seal in the two small holes placed on the left side of the module and apply an adhesive seal.



STANDARDS :

- Manufacturer certified ISO 9001 : 2015 and ISO 14001 :2015
- DIRECTIVE 2014/68/UE : Products excluded from directive (article 1, § 2b)
- Radio Transmission according to **M-BUS EN13757-4**

ADVICE : Our opinion and our advice are not guaranteed and SFERACO shall not be liable for the consequences of damages. The customer must check the right choice of the products with the real service conditions.

Sferaco 90 rue du Ruisseau 38297 St Quentin Fallavier Tel: + 33 (0) 474.94.15.90 Fax: + 33 (0) 474.95.62.08 Internet: www.sferaco.fr E-mail : info@sferaco.fr