

mod.

RFM-TX1

V21.2

Wireless M-BUS transmission module for water meters



Compatible water meters

mod. GSD8-RFM



ENG

Description

The RFM-TX1 is a radio module suitable for the water consumption data radio transmission applicable to the single jet GSD8-RFM water meters. 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.

Technical features

Transmission frequency	W-Mbus EN13757-4 @868 MHz <= 10 mW, T1 mode
Signal Coverage	100 m*
Compatible meters	GSD8-RFM
Measure Sensibility	1 liter
Energy Supply	Lithium battery 3.0V
Battery life	max. 10 years**
Size and Weight	30 x 67 x 67 mm, 43 g
Configuration	Wireless with RFM-RX2 and dedicated software
Working temperature	from +1°C to +55°C
Maximum reading error	0,5%
Protection class	IP68***
Transmitted data	Volume (consumption), total of reverse flow, 12 monthly historical values, battery status , alarms.
Alarms	Discharged battery, module removal, magnetic fraud attempt, maximum flow rate, reverse flow, leakage detection.

* In optimal signal transmission conditions

** The battery life strongly depends on the working time window, set during the configuration process, and on the environmental conditions

*** IP68: maximum 24 hours of continuous submersion at 1 m depth