

WMBR RADIO MODULE WIRELESS M-BUS

- WMBR Radio Module Wireless M-Bus 868 MHz for Super-Dry SFU-SCU water meters
- Transmission mode T1 on 868 MHz frequency
- Supporting OMS standard (Opening Metering System)
- It can manage an AES 128 data cryptography
- Battery life 12 years + back up power (depending on operating conditions)
- Radio module protection grade: IP 54 (alternatively IP67 available on request)
- Radio module can be pre-set for inductive pulse output
- In compliance with Wireless Mbus EN 13757-4 standards
- Radio module operating temperature (min/max): 0 ... 60 °C
- Radio module storage temperature (min/max): -20 ... 50 °C



MBC WIRED MODULE M-BUS

- MBC Wired Module M-Bus with 0,90 m long cable for Super-Dry SFU-SCU water meters
- Power supply with wired Bus network (if connected)
- Around 2 years of functioning/data storage with Bus network not connected, thanks to back up battery
- M-Bus module protection grade: IP 65
- Reverse flow detection up to 255 pulses
- Primary and secondary address pre-set or programmable via software and hardware (es. Micromaster) Primary 0-250/Secondary 8 digit
- Processor with 2 sensor to detect pulses and processing time
- In compliance with M-Bus EN 13757-3 standards
- Wired module operating temperature (min/max): 0 ... 70 °C
- Wired module storage temperature (min/max): -25 ... 70 °C



B-i RML BUILT-IN RADIO MODULE LoRaWAN™

- B-i RML Built-in Radio Module for Super-Dry SFU-SCU water meters
- Transmission to LoRaWAN™ network and in wM-Bus C1 or T1 mode
- Dual radio LoRaWAN™ and wM-Bus
- LoRaWAN™ ready in wM-Bus mode (automatic switchover)
- Bidirectional, battery powered, long range transceiver with low power consumption
- Long range wireless data transmission
- Pre-installed long-life battery
- NFC
- Configurable reporting interval
- Easy installation
- Average life 8 years (depending on device location and reporting interval)
- Secure communication
- Diameter 64.0 mm
- Height 39,2 mm
- Weight 60 g
- IP Rating IP68
- Operating temperature -5 °C ... + 65 °C
- Tx power up to + 20 dBm
- Rx sensitivity: -140 dBm
- Activation type OTAA
- LoRaWAN™ version: 1.0. 3^a



The company's policy is one of continuous product improvement and the right is reserved to modify the specifications herein contained without notice – 10/19