

### 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<sup>a</sup>



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