



Compatibility: LoRawan / Sigfox / OMS

Reference: H00-001-004-LOR-200

H0E-006-003-SIG-200

H0E-006-003-OMS-200



SmartMeter dry contact

VMC Pressure Controller, adjustable.

This OMS-Sigfox and LoRawan radio module allows multiple information to be collected simultaneously. Our know-how in RF, offers us extremely long autonomy of the order of more than 12 years with a rate of sending data every 32 seconds in the OMS framework and, on the other hand, are only from 1 year to 10 years in the other versions of radio protocols [s1]. It meets the 13757-3, -4 and TC294 standards and is compatible with OMS 2.00 and 3.00 in T1, C1 modes. It is possible to program this

module according to your needs and it can be received by all compatible and approved WirelessMbus systems.

A robust AES128 or 256 level encryption key can, depending on the customer's needs, secure data transmissions. As part of Sigfox and LoRawan transmissions, the sending rates can be programmed from 10 minutes to several hours, with our USB Dongle programming tools. LoRawan and Sigfox transmissions are not encrypted.

Technical specifications

- **Frequency:** 868Mhz
- **Encryption:** AES 128 or 256 or none as per customer request
- **Operating range:** Storage from -40°C to + 70°C
- **Reading possible:** between -20°C and +55°C
- **Contact:** dry or NPN
- **Maximum frequency:** 10 Hz
- **Pulse duration:** 25 ms
- **Sigfox model:** modem developed by CRDM and approved by Sigfox

Communications

- **OMS:** Sending frequency every 32 seconds in OMS 3.00 and 4.00 modes. Encryption: AES 128 or 256 or none as per customer request. Implies having a receiver on site.
- **LoRawan and Sigfox:** the transmission rate can be programmed every 10 minutes to once a day

The advantages of the product

- Already several thousand products are installed in extreme environments and, therefore, we have very good field feedback from our customers. The latter are in critical environments of +40C° permanently.

