

WMM-868 WIRELESS METERING MODULE / M-BUS

PRODUCT DATASHEET

The Wireless Metering Module WMM 868 enables wireless reading of water, gas and heat meters that are equipped with a M-Bus interface. Moreover, an integrated radio transmitter ensures reliable transmission of consumption data to distant Wireless M-Bus Bridges on basis of the standardized communication protocol EN 13757-4.

FEATURES

- Equipped with a sophisticated 868.95 MHz ISM radio band transmitter
- Wireless communication complies with EN 13757-4
- Enables reading of meters with difficult access such as shafts or cellars
- Applicable to all types of meters with M-Bus interface
- Suitable for reading of water, gas and heat meters
- Periodically transmits consumption data in 8 second intervals
- Simple installation on wall mounting plates with snap-in mechanism
- On-site programming using IrDa interface permits configuration of meter type
- Both with battery power and external power usable
- Sophisticated power down modes enable a typical battery lifetime of 12 years
- Data updating with battery power once a day
- Data updating with external power every 3 minutes
- Equipped with a waterproof IP 68 enclosure
- CE (!) R&TTE Approval



ORDERING INFORMATION

Product	WMM-868 WIRELESS METERING MODULE / M-Bus	
Model number	71010-020501MB	M-Bus Interface

SPECIFICATIONS

Power Supply

Battery	2 Lithium batteries 3.6V
Lifetime	12 years (typical)

External Power	To increase the reading cycles from 1 per day to every 3 minutes the WMM-868 can be operated with external AC or DC power supply. 7,5 V AC to 24 V AC, I = 10mA or 5,0 V DC to 24 V DC, I = 10mA
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RF Interface

Certifications	Complies with EN 13757-4 [2005], EN 300220	
Modulation	868.95 MHz, FSK	
Operation mode	T1, 100kcps as specified in EN 13757-4	
Transmission power	7 mW	
RF coverage	Reading range depends on environment	
	shafts	depends on material
	cellar in a building	up to 60 m
	installation duct in a high rise-building	up to 70 m
	ground floor in a building	up to 100 m
	outdoors	up to 400 m

M-Bus Interface

Standards	Confirm to EN 13757-2 and EN 13757-3
Cable length	Equipped with a cable of length 3 m

Mechanical Specifications

Enclosure	Waterproof IP 68 enclosure
Dimensions	104 x 104 x 42
Mounting	Designed for wall-mounting

Environmental Specifications

Temperature range	-15 °C to +55 °C operating temperature range -15 °C to +55 °C limit for storage and transport
Humidity	≤ 100% relative humidity
Approvals	CE (!) R&TTE