

WMM-868 WIRELESS METERING MODULE/PULSE

PRODUCT DATASHEET

The Wireless Metering Module WMM 868 enables wireless reading of water, gas and heat meters that are equipped with a pulse transmitter with dry reed contact or open collector 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 dry reed contact or open collector interface
- Supports pulse transmitters with 2, 3 and 4 wires with flow direction and manipulation detection
- Suitable for reading of water, gas and heat meters
- Periodically transmits consumption data in 8 second intervals
- Equipped with leak detection and alarm generator
- Simple installation on wall mounting plates with snap-in mechanism
- On-site programming using IrDa interface permits configuration of meter type, meter reading, meter identification and pulse value
- Battery-powered, no additional power supplies required
- Sophisticated power down modes enable a typical battery lifetime of 15 years
- Equipped with a waterproof IP 68 enclosure
- CE (!) R&TTE Approval



ORDERING INFORMATION

Product	WMM-868 WIRELESS METERING MODULE	
Model number	71010-020501EM	Equipped with pulse input interface

SPECIFICATIONS

Power Supply

Battery	2 Lithium batteries 3.6V
Lifetime	15 years (typical)

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

Pulse Input Interface

Pulse input	Supports pulse transmitters with dry reed contact or open collector interface Suitable for pulse transmitters with 2, 3 and 4 wires with flow direction and manipulation detection
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