

Wireless M -Bus 868 MHz COMPACTRADIO MODULE

modradiocomp001001.in



Compact 868 MHz radio module with integral inductive sensor for the meter CDS PLUS/EVO and VTZ pre-equipped water meters. The module can also be mounted on meters from other manufacturers compatible with the Modularis system.

The radio module can be retrofitted at any time and can be secured with a seal.

The radio interface is configured and deactivated upon delivery and activates automatically after mounting the module on the meter.

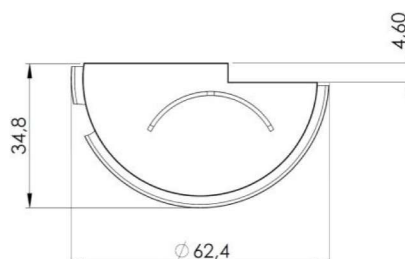
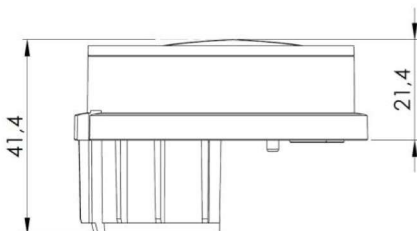
- ☒ Protection class: IP68
- ☒ Optical interface
- ☒ Wireless M-Bus 868 MHz radio module (EN 13757-4)
- ☒ Direct mounting without cables
- ☒ Back flow detection
- ☒ Automatic radio activation
- ☒ Tamper detection (removal or external magnetic fields)
- ☒ Lifetime: 12 years + 1

DESCRIPTION

Wireless M-Bus Radio module compliant with Standard EN 13757-4 on systems for remote reading of meters via radio.

The radio interface is configured and deactivated upon delivery and activates automatically after mounting the module on the meter. The factory settings enable the read-out of the device both over mobile and fixed receivers. The factory settings can be modified over the opto-head and the Configuration Tool software (available as an option).

DIMENSIONS (mm)



NOTE: THE GRADUS COST ALLOCATORS AND RADIO MODULES FOR CDS PLUS/EVO METERS COMPLY WITH THE WIRELESS M-BUS STANDARD EN 13757-4 AND THUS CAN BE READOUT OVER ONE SINGLE DATA COLLECTION SYSTEM.

TECHICALSPECIFICATIONS

Wireless M-Bus EN 13757-4		
OMS compliance: OMS-Spec Vol2 Primary v301 (short telegram)		
The radio parameters can be modified: transmission interval, modes, AES encryption, telegram length		
Integral radio interface		Frequency: 868 MHz
Radio transmission modes		S1/T1*: unidirectional
AES 128 Encryption		AES: Advanced Encryption Standard Key length: 128 bit (set for each heat meter, activatable)*
Radio telegram options	Short telegram	Total volume, error code, water meter serial number
	Long telegram*	Billing date, total volume on billing date, 15 monthly values, water meter serial number*
Transmission interval (configurable)		2* to 240 minutes
Transmission times (configurable)		00:00 – 24:00 7:00 a.m. – 7:00 p.m.*
Weekdays		Monday - Sunday Monday – Friday*
Calendar weeks		1 – 4*
Months		1 – 12*
Radio activation		Not set* (it can be set with the pushbutton or over the optical configuration tool)
Minumum battery service life		12 years*

* Factory setting

READ-OUT DEVICES AND SOFTWARE

A number of radio receivers (EN 13757-4) compatible with the range of Maddalena radio devices and other Wireless M-Bus EN 13757-4 compliant meters are available:

USB RADIO COLLECT(868 MHz)

Mobile radio receiver

Ease of use

Power supply via USB

Data transfer on PC via USB

ARROW COLLECT (868 MHz)

Mobile or indoor fixed radio receiver

500 MB F RAM

Interfaces: Bluetooth, mini-USB, M-Bus (GSM/GPRS), LAN

Lithium battery; pre-equipped for external power supply

Mobile or fixed read-out SOFTWARE for Windows (8, 7, Vista and XP)

Management of the database of the installed devices

Integral import and export function for easy management of the installed radio devices.

Also compatible with EN 13757-4 compliant Wireless M-Bus devices.

