



Water Meter RF Module

Water meter module with uni-directional radio communication.

The water meter radio module has been developed for automated data collection from water meters in apartments, using Itron external radio collectors. Thanks to the uni-directional communication by wireless M-Bus the water meter can easily be integrated into a third party radio system.

FEATURES

- » Uni-directional wM-Bus, radio communication
- » Hundreds of data telegrams sent per day
- » Data transmission all year round
- » Patented, fast and simple communication interface (inductive)
- » Easy to install
- » Can be refitted at any time

Compatibility

The water meter radio module is compatible with all Itron or Allmess apartment water meters which are equipped with a modular register.

- » Easy to install, even on previously installed meters

Meter index synchronization

The opto-electronic scan which transmits the water meter index to the communication module ensures continuous synchronization between the meter and the radio module.

The opto-electronic scan's advantages are obvious:

- » Backflow detection
- » Tamper-proof
- » The accuracy of the meter's measurements is not affected by the module

Comprehensive data protocol

The brief protocol provides the following information:

- » Current meter index
- » Fixed date value
- » Identification number
- » Configuration data
- » Error reports



UNI-DIRECTIONAL RADIO INTERFACE

The radio telegrams deliver various Information like device identification, consumption values and device status.

INDUCTIVE COMMUNICATION INTERFACE

The standard integrated communication interface enables the water meter RF-Module to be gathered quickly and securely. All the relevant parameters of the module can be programmed, such as meter starter index, the fixed date billing or the leakage threshold. In addition, the interface in connection with Itron software enables high speed access to a variety of service extended data sets and status functions:

- » Password protection
- » 2 annual fixed dates
- » 18 end-of-month indexes
- » 18 mid-month indexes
- » Remaining battery life time
- » Error and manipulation reports

Technical data

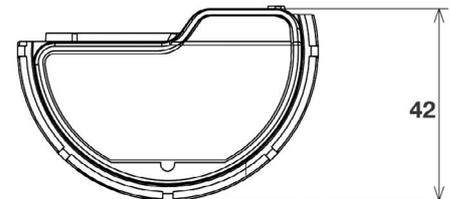
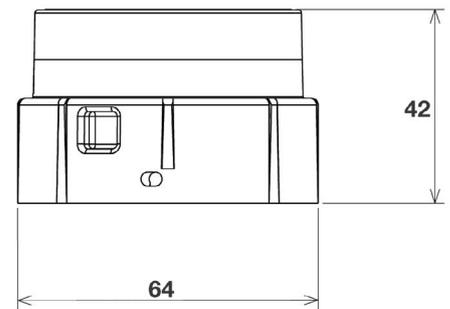
Characteristics

Register scan	Opto-electronic with dismount and backflow detection
Battery life time	12 years + 1 year reserve
Operating temperature range	+5°C to +55°C
Protection class	IP 65
Compatible devices	Itron / Allmess apartment water meters +m

Radio specifications

Protocol	EN 13757-3/-4 wireless M-Bus
Operating mode	C1 Mode
Frequency band	868 MHz

Dimensions



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