

RR10 - M-Bus

Wireless M-Bus radio receiver

Your benefits

- Wireless in-house meter reading transmission - wireless M-Bus:
  Installation of complex wiring connections in existing cellars is not required (no coordination work with property owners, no changes to buildings)
- Proven radio transmission in combination with the radio module RCM® for GWFcoder® water and gas meters:
  Long range
- No parameterisation required for initial start-up (secondary addressing):
  Easy and fast on-site installation
- Radio connection from just one source:
  One contact for transmitting and receiving data – clear system/responsibility limits

Applications

- Smart metering – readout of electricity, gas, water and heat meters
- Wireless transmission of meter readings to in-house data gateway
- For all verified masters with M-Bus interface

Properties

- M-Bus protocol according EN 13757-2 and -3
- No external supply required - M-Bus supply
- Reception of up to 64 GWFcoder® water or gas meters (Dependent on the sent data protocol length)

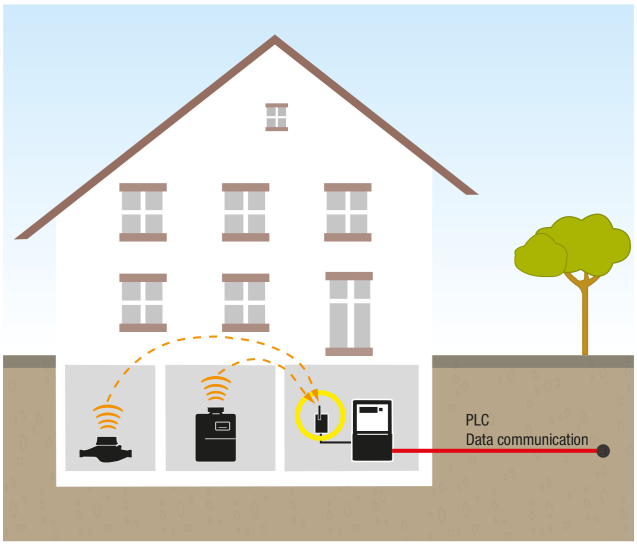
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The radio receiver allows you to receive consumption data from water, gas and heat meters at a central location in a building and to provide this data on a standardised interface EN 13757-3. This interface enables, e. g. intelligent electricity meters to read data and to send it to a central server where customers can, e. g. read their daily water, gas or heat consumption via a web portal. The radio receiver RR10 - M-Bus in combination with the radio module RCM® for GWFcoder® water or gas meters creates a «wireless M-Bus bridge», meaning complex wiring connections routed through cellars to water and gas meters are not required.



General performance

- The radio receiver supports the following functions:
  - Primary address search
  - Secondary address search
  - Readout (secondary and primary)
  - Active list - filter function
  - Active list - setting primary address

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Technical Data

Data transmission M-Bus	
Baude rate	2400 baud
Primary address	1-250 programmable
Secondary address	Meter number (8 digits)
No. of meters	64 (Dependent on the sent data protocol length)

M-Bus device load	
Load (incl. power supply)	6 M-Bus unit loads (9 mA)

Max. cable length	
M-Bus connection cable	1 m
M-Bus transmission range	Network dependent

Dimensions and weights	
Dimensions	140 x 55 x 25 mm
Weight	app. 60 g

Application	
Temperature	-10 to + 55 °C
Protection class	IP54

Radio reception	
Wireless M-Bus EN 13757-4 mode T1	Radio protocol RCM®
Radio reception frequency	868,95 MHz
Range	Depends on ambient conditions (up to 100 m)

Type of mounting
Screw fastening

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