

Wireless M-Bus/OMS Repeater

Signal booster

Applications

The product is suitable for Automatic Meter Reading (AMR) applications and serves as a wireless repeater according to the OMS specification.



Features

- Compact unidirectional Wireless M-Bus repeater according EN 13757-4
- The repeater attains a RF Range of up to 400m at line-of-sight
- The reception and forwarding mode separately adjustable

Benefits

- Maintain up to 50 incoming wireless data telegrams
- Specifications are configurable by means of rotary coding switches
- Independent sending of data telegrams

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1 Operating principle

Compact unidirectional Wireless M-Bus Repeater. Up to 50 incoming wireless data telegrams are stored and forwarded with delay according to specification. In addition, the device generates its own telegrams for the purpose of device management, as well as corresponding receipts to support the installation mode. All transmission parameters permitted by the standard/specification are configurable by means of rotary coding switches. The Repeater attains a RF range * of up to 400 m at line-of-sight.

2 Technical specifications



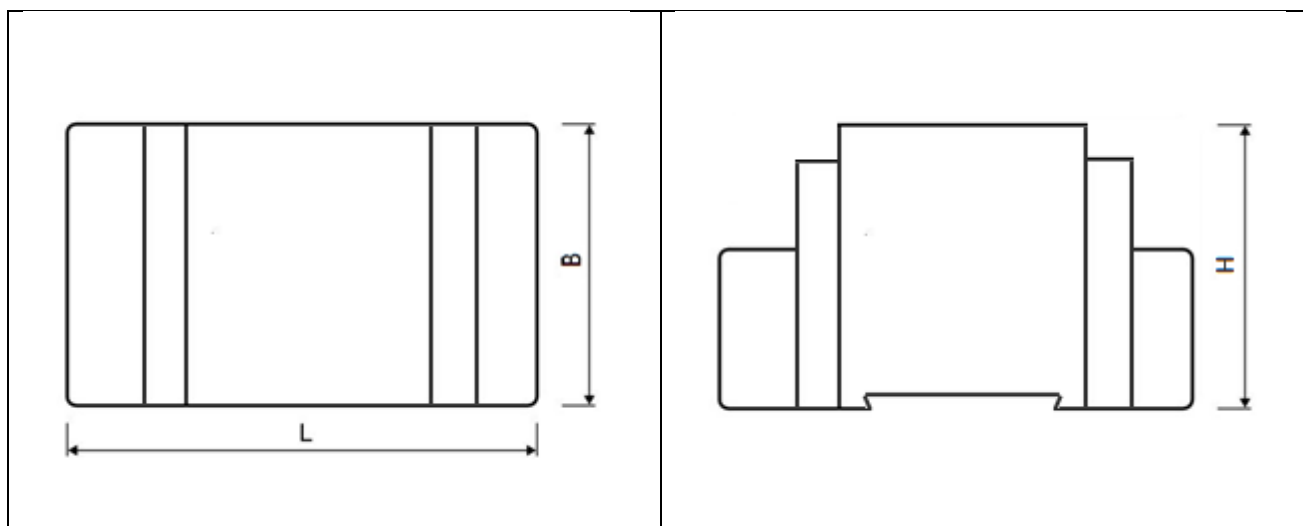
Housing	Snap on DIN – Rail
Antenna	SMA antenna connector (50 Ohm)
Devices	Up to 50 incoming wireless telegrams
Logging	No
Display	3 LED for function
Range	up to 400 m at line-of-sight

Wireless M-Bus/ OMS Repeater	
Versions/ Frequency band	S-Mode: 868,3 MHz T-Mode: 868,95 MHz
Modulation	2-(G)FSK
RF sensitivity	S-Mode: typ. -102 dBm T-Mode: typ. - 96 dBm
RF output power	14 dBm
Supply voltage	5 ... 24V DC
Power consumption	TX: typ. 75 mA RX: typ. 50 mA
Operating temperature	-10 °C... +55 °C
Weight	200 g

3 Project planning notes

Type		
Wireless M-Bus/OMS Repeater	up to 50 incoming wireless telegrams	Art.Nr. 95118

4 Installation



Length	L	98mm
Width	B	53mm
High	H	93mm

For more information regarding mounting, configuration and service, please read the available manual.

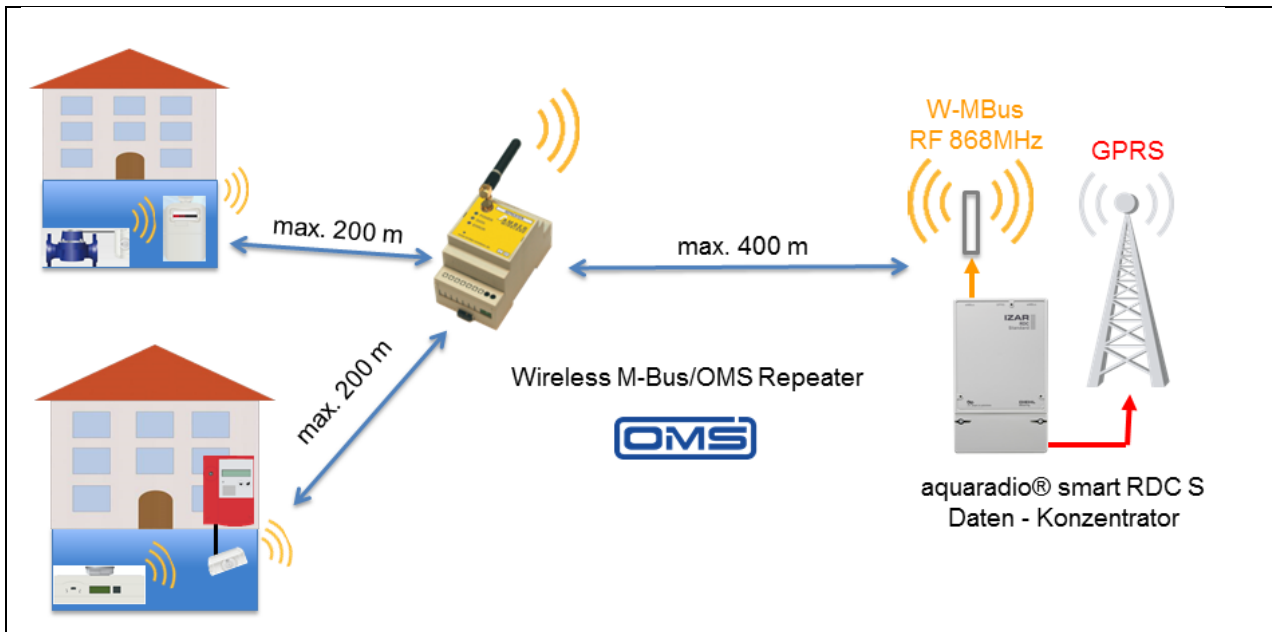
5 Display and user interface

Front panel, consisting 3 LED's and two 2 rotary encoding switches.

6 Accessories

Accessories	
SMA antenna with articulating base	included
Power supply adapter 24 V DC	included

Example: Wireless M-Bus/OMS Repeater integrated in a Fixed Network with aquaradio® smart RDC Standard



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