

AMR - Repeater Wireless M-Bus

Highlights

- Radio repetition of W-MBus consumption indexes
- Installation is extremely simple and fast
- Range up to 600m (T1 mode)
- Several repeaters can be associated
- Mains or self powered version
- IP65 standard



The **Wireless M-Bus repeater AMR** (Automatic Meter Reading) from Adeunis RF is a ready-to-use system allowing to **repeat radio frames** from Wireless M-Bus transmitters.

This repeater can **double the range** of Wireless M-Bus transmitters AMR and thus ensure a seamless transmission of radio frames in **harsh environments** or when the **data concentrator is distant**.

By combining several Wireless M-Bus repeaters AMR, **Adeunis RF extends the transport of transmitted frames over several kilometers**.

The implementation of the repeater is immediate («**plug & play**» system).

The **Wireless M-Bus repeater AMR** can support up to **200** Wireless M-Bus transmitters (T1 mode).

This product is available as a mains power version, allowing repetition of data transmitted in **T, R and S mode**. An optional version powered by lithium batteries allows the repetition of data in «**Low Power**» **T1 mode** by providing up to 11 (10+1) years of autonomy.

The combination of products in the **Adeunis RF AMR range** allows you to **create an independent ecosystem** to ensure the emission, transport and collection of consumption indexes using Wireless M-Bus protocol.

Our **Wireless M-Bus** solution provides a full compatibility with EN 13757-4:2005 standard.

W-MBus version performances

RF Power: 14dBm (25mW)
Sensitivity: up to -117dBm
Range: up to 600m line of sight

Wireless M-Bus modes

T1 : mains and self-powered versions
S1, R1 on request

Repeater performances

T1 mode: up to 40 products repeated
(self-powered version)

Consumption & needs

Mains version (Power supply block included)
Supply voltage: 3.6V nominal
Lifespan: up to 8 years with a cycle of one wake-up (4 minutes) per day

General information

Operating temperature: -40°C / +85°C
Dimensions: 145 x 100 x 40 mm
Case: IP65
Standards: EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005

Références

- **ARF7923AA** Wireless M-Bus repeater AMR - Mains
- **ARF7924AA** Wireless M-Bus repeater AMR - Battery

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