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.


**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