AMR – TEMP Wireless M-Bus

Highlights

- Radio transmissions of temperature readings

- Very simple and quick to install

- Internal and external temperature sensor

- Range of up to 600 m (T1 mode)

- Battery life of up to 12 years

- IP53 standards

The Adeunis RF **Wireless M-Bus TEMP transmitter** is a ready-to-use system allowing you to **capture temperature measurements and transmit them by radio using the Wireless M-Bus protocol**.

This transmitter incorporates an internal temperature sensor and can also be fitted with an external sensor which allows it to **transmit both internal and external temperatures**.

The CTN type internal sensor can measure temperatures ranging from 0° C to 40° C, in steps of 0.5° C.

The Lithium battery power supply provides battery life of up to **12 years guaranteed in T1 mode with a periodicity of 10s**.

This version has an on-board application allowing you to adjust the data transmission cycle and manage a temperature log, and it also provides information about any variations to temperatures.

By using a combination of **products from the Adeunis RF AMR range you can create an independent ecosystem** allowing you to handle the transmission, transportation and collection of consumption indices and temperature measurements in Wireless M-Bus format.

Our Wireless M-Bus solution offers **total compatibility** with the EN 13757-4:2005 standards.

Performances W-MBus T1

RF power: 14 dBm (25 mW)
RF sensitivity: up to -110 dBm
Range: up to 600 m in free-field conditions

Firmware

Transmission intervals: 10 sec, 10 min. or 12 hours
Index buffering (log of temperatures measured: 3 years)
Log transmitted every 12 hours

Warnings

End of battery life
On delta of temperatures (optional)

Comsumption & needs

Voltage: 3.6 V nominal
Power supply: via Li-SOCl2 battery
Battery life: up to 12 years guaranteed

General information

Operating temperature: -40° C / +85° C
Dimensions: 145 x 100 x 40 mm
Case: IP53
Standards: EN 300-220, EN 301-489, EN 60950, EN 13757-4:2005

References

- **ARF7904AA** Wireless M-Bus transmitter TEMP

- **ARF7906AA** Wireless M-Bus transmitter TEMP
  + external CTN

V3.0