

SIGFOX reading module

WZU-SG

For heat meters Landis+Gyr UH50/UC50/T550

Radio reading systems are widely used by central heating network operators. However, SIGFOX technology provides a new level of communication, battery life, operating costs and large urban areas coverage. At low investment costs, it also significantly improves work efficiency and reduces error rates during reading by human operators. It avoids disturbing the privacy of customers and reduces the security risks for the human readers. WZU-SG module provide a number of features for the user. It allows you closely monitoring of customer consumption over time, signal failures, unauthorized interventions.



Recorded and transmitted data

- **The serial number of the meter**
- **Energy meter count at the time of reading**
- **Volume counter at the time of reading**
- Current time
- Date of reading
- Records of monthly consumption for last 12 months to date of reading
- Maximum power consumption
- Battery operating time
- Time of failure
- **Warning messages:**
 - Fault reports of the meter**
 - Low battery - Battery voltage drop**

Regularly sent data are shown in **bold**. Other data are sent sequentially.

Technical parameters

Physical dimensions:	fits directly to meter interface bay, external antenna
Power:	Lithium batteries 2xAA
Battery life:	11 years**
Operating temperature:	-10 ° C / + 55 ° C
Short-term temperature:	-20 ° C / + 70 ° C
Storage temperature:	+ 5 ° C to + 35 ° C

** Under normal operating conditions + 5 ° C to + 35 ° C

Min. operating temperature -10 ° C (<15 days / year), Max. operating temperature + 55 ° C (<15 days / year).

Radio communication

SIGFOX protocol	
Frequency:	868 MHz
Enhanced power:	25 mW
Communication 1 - 2x daily (up to 4 times a day - battery life 6 years)	