

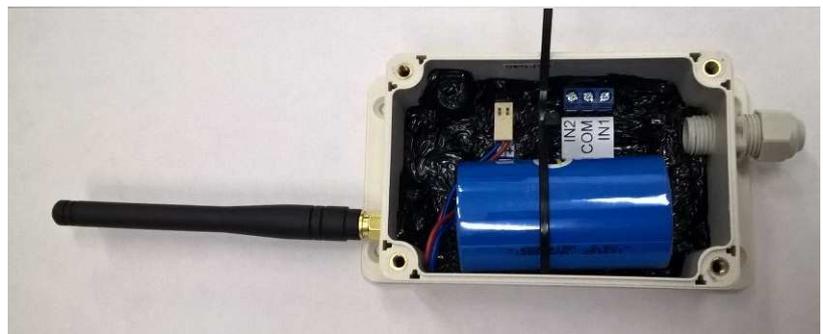
# Sigfox transmitter FLX-SG with 4 reading inputs from various water, gas, heat, electric power meters or sensors

This remote reading system was developed as universal equipment enabling the transmission of measured values from wide range of meters or other sensors with pulse outputs or analog signals. Binary, pulse train or analog signals could be converted to the necessary physical values by exactly tailored firmware or application software.

Especially reading of more meters or necessary values from various sensors which are mounted on the same site as heat exchanging station, electricity switching room in apartment houses, valve chambers on long distribution pipelines for water or heat could be solved with use of single equipment.

Four inputs of the unit should be configured for binary, pulse, analog (voltage) or M-bus functioning.

Unit is capable to supply connected sensors with energy on level 12 VDC from built-in power supply (with limited lifetime of battery).



## Technical parameters

|                         |  |
|-------------------------|--|
| Dimensions LxWxH:       | 100 x 68 x 50mm, max. length 135mm incl. grip and bushings, without antenna  |
| Power:                  | replaceable lithium battery D size   |
| Battery life:           | approx. 10 years (1 message/day) about 1 year with 140 message/day<br>Depends on the power consumption of connected sensors (if any) |
| Protection degree:      | IP67   |
| Moisture:               | 0 - 99%  |
| Operating temperature:  | -10 ° C / + 55 ° C   |
| Short-term temperature: | -20 ° C / + 70 ° C   |
| Storage temperature:    | + 5 ° C to + 35 ° C  |
| Number of inputs        | 4 in various configuration under clients needs   |
| Binary input            | 3,6 VDC, 0,12 mA   |
| Pulse input             | max. frequency 10 Hz, pulse length (High/Low) ≥ 30 ms  |
| Analog input            | 0-10 VDC   |
| Comm. input             | M-bus  |

## 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) |