

Protocol

Power Meter Wireless IoT

Know your energy consumption easily

- ✓ No more shock billing
- ✓ To make your consumption more efficient
- ✓ To identify anomalies
- ✓ To read your remote electric meter

Hourly meter message

The message containing the hourly reading information sent to the portal shall consist of the following components:

1	1	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h
R	Active 1										Reactive 1								Time	

- R Message identifier for meters with hourly read electrical pulse counter type
- Active 1 Pulses read relating to active energy 1 at the reference time indicated by the field “time”.
- Reactive 1 Pulses read relating to reactive energy 1 in the reference hour indicated by the field “time”.
- Time Sequential number of the time relating to Active 1 and Reactive 1 readings

Example: 1100000007800000B40A (message in hexadecimal)

- 11 =R (Identification meter counter)
- 000000078 =120 (Active power pulses 1 read from 9 to 10)
- 0000000B4 =180 (Reactive power pulses 1 read from 9 to 10)
- 0A =10 (Reference time of reading)

Protocol

Daily counter message

The message containing the daily reading information sent to the portal shall be composed of the following components:

1	1	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	h	
R	Active 1									Reactive 1									Battery status	

Where:

- R Message identifier for meters with electric pulse counter type daily reading
- Active 1 Cumulative value of pulses related to active energy 1 on the reference day indicated by the time field (timestamp Unix Epoch) set via a POST call to the server
- Reactive 1 Cumulative value of pulses related to reactive energy 1 on the reference day indicated by the time field (timestamp Unix Epoch) set via a POST call to the server.
- Battery sta- Battery charge status (0=good 1=replace)

Example: 52007800B401 (message in hexadecimal)

- 01 =R (Meter ID counter)
- =120 (Active power 1 read from 9 to 10)
- =180 (Reactive power 1 read from 9 to 10)
- =1 (Battery status)