



Networks

-  Sigfox™
-  LoRaWan®
-  Compatible Sigfox ACW-GW repeater






Performances

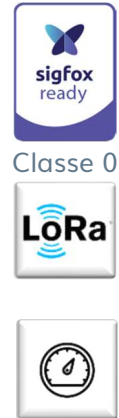
-  Range : up to 15 km

Power Supply

-  One battery 3.6 Ah
-  Battery level indication

Diverse

-  Configuration by DIP light switch
-  Configuration by downlink
-  Waterproof housing IP65
-  Web platform
-  SMS & Emails alerts



The ACW-MR2 allows detailed and accurate reporting of electricity or water consumption to a web platform. It measures the counting index and transmits it at regular intervals.

This radio modem exists with 2 counters, designed to work on new LPWAN networks dedicated to the Internet of Things: Sigfox or LoRaWan. Ideal to supervise your equipments on the Web, it is perfectly adapted in urban environment and for a use in complex environment.



Technical features

<i>Dimensions</i>	177 x 55 x 55 mm	
<i>Antenna</i>	Integrated (¼ d'onde)	
<i>Temperature</i>	-20°C à +55°C (operating mode) -40°C à +70°C (storage mode)	
<i>Fixation</i>	Mural, tube, DIN Rail	
<i>Housing</i>	IP 65	
<i>Power supply</i>	1 Lithium battery 3.6 Ah	
<i>Weight</i>	160 g	
<i>Frequency</i>	865 – 870 MHz	
<i>Power</i>	25 mW (14 dBm)	
<i>Speed</i>	Sigfox : 100 bps LoRaWan : 300 bit/s à 10 Kbit/s	
<i>Consumption</i>	Sigfox	LoRaWan
Tx Mode	60 mA	76 mA
Rx Mode	35 mA	29 mA
Standby	1,5 µA	2,5 µA

References

2 counting inputs + 1 cable break :

- ACW/SF8-MR2
Sigfox
- ACW/LW8-MR2
LoRaWan

Optical or mechanical counter sensor:

- CAPT/OPTx
Sensor + cable for electric meter
- CAPT/MECA
Sensor + cable for mechanical meter

Available with ACW Platform subscription.

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Spreading Factor	10 min	30 min	1 hour	2 hours	6 hours	12 to 24 hours
SF12	1 year	2,5 years	3 years	6 years	8 years	9 years
SF10	1,5 year	3,5 years	5,5 years	7 years	8,5 years	9 years
SF8	2 years	4 years	5,5 years	7 years	8,5 years	9 years
SF7	2 years	4 years	5,5 years	7 years	8,5 years	9 years

Autonomy ACW/LW8-MR2 LoRaWAN Version

Use in counting mode, with one battery 3.6 Ah, use at 90% of the time in a range of ambient temperature between 10°C and 35°C.

Frame transmission	Autonomy
10 minutes	< 1 year
30 minutes	1 year
1 hour	2,5 years
Once a day	>10 years

Autonomy ACW/SF8-MR2 Sigfox Version



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