

Water/electricity/gas Index meter reader / Dry contacts

ACW-MR4



The ACW-MR4 has 4 inputs, configurable in metering or All-or-Nothing (Dry Contacts).

He transmits by radio the index of any meter: water, gas, electricity. Data transmission takes place at regular intervals which can be configured as required.

This product can be adapted for use in several sectors: Smart Industry, Smart City or even Smart Building.

The main function of ACW-MR4 the acquisition of consumption data in real time; in order to centralize this information, to analyze it and ultimately to save money.

This sensor is also available in a version equipped with an optical sensor (for light pulse meters), with a mechanical sensor (for meters with a toothed wheel) or with an opening / closing sensor (for use in Dry Contacts).



READ

Read the index of metering or Dry Contacts information and transmits it to the network



MONITORE

Easy monitoring and exploitation of data thanks to our web platform



ALERT

Set up alerts SMS and emails from our Atim Cloud Wireless platform



Smart metering : Optimization of buildings energy consumption



The ACW-MR makes any meter communicating: water, electricity or gas. Thanks to the regular transmission of the meter index, it becomes possible

obtain a more detailed analysis of the consumption data for a building. For example, schools or hospitals have significant savings potential. The ACW-MR allows to identify positions, or sectors that consume more energy than others, and also allows the identification of water leaks (for example, when abnormal consumption data come back) or to detect fraud (in case of cable break: wirecut). The rapid identification of these faults allows rapid intervention and limits unnecessary consumption, especially in the event of a leak.

Technical features

Dimensions / Weight	177 x 55 x 55 mm / 300gr	
Antenna	Integrated (1/4 wave) 2dBi	
Storage T°	-40°C / +85°C	
Operating T°	-25°C / +70°C	
Mounts to	DIN-rail, Wall, Mast	
Casing	IP65, anti-vandal	
Power supply	2 packs of 2 lithium batteries (14,4Ah)	
Frequency	865—870 MHz	
Power	25mW (14dBm)	
Rate	Sigfox : 100bps / 600bps LoRaWAN : 300 bit/s / 10Kbits/s	
Consumption	Sigfox	LoRaWAN
Tx mode	25mA	60mA
Standby mode	7µA	6µA
Rx mode	18mA	25mA

>5 years of battery life

Supplied in deep sleep mode (wake up through magnet or push button)

Battery level indicator

>15km of range

USB setup,
Downlink or Bluetooth (BLE 4.2)

Compatible with Sigfox repeater (ACW-GW) and LoRaWAN (ACW-EXT, only on Orange network)

Visual or audible signal indicating network connection and radio quality

2 years Warranty

Datalogging and redundancy of data