ACW-MR2-EX
ATEX metering/dry contacts

COUNTER • ATEX • IP65 • IoT CLOUD • AMR

Network

- Sigfox™
- LoRaWan®*
- Sigfox ACW-GW repeater compatible

Performances

- Range : up to 15km

Autonomy

- 8 years with 3 Tx/day
- One LS14500Ex battery
- Battery level indicator

Divers

- Switch configuration
- Downlink configuration
- Waterproof IP65 box
- Zone 2 environment
- Web platform
- SMS and Mails Alerts

The ACW-MR2-EX allows you to report two digital inputs towards a web platform or to **get remotely the index metering** informations from a **gas** counter done on a regular basis (configurable reports time).

This modem exists with 2 digital inputs intended to work on the new LPWAN networks dedicated to the IoT: Sigfox and LoRaWan. Ideal to supervise your equipment's on the web, It is perfectly adapted for an urban environment and to be used in a difficult environment.

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ATIM_ACW–MR2–EX_DS_EN_V1.8

Technical features

Dimensions	177 x 55 x 55 mm
Antenna	Integrated (¼ wave)
Temperature	-20°C à +55°C (functioning mode)
	-40°C à +70°C (storage mode)
Mounting	Wall, tube, DIN-Rail
Box	IP 65
Power supply	1x LS14500Ex
Weight	160 g
Frequency	865 – 870 MHz
Power	25 mW (14 dBm)
Speed	Sigfox : 100 bps
	LoRaWan : 300 bit/s to 10 Kbit/s

Consumption	Sigfox	LoRaWan
Tx mode	60 mA	60 mA
Rx mode	35 mA	35 mA
Sleep mode	1,4 µA	5 µA
Certification	CE/<ℰ> II 3 G, Ex ic IIA T3 Gc @ 55°C	

References

2   pulse counters + 1 "cable cut" :

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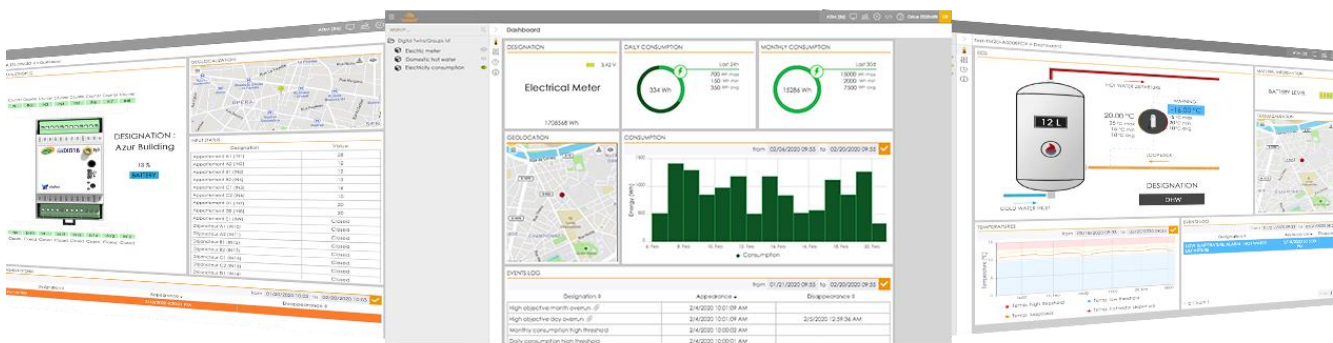- ACW/LW8-MR2-EX
  LoRaWan

Gaz meter cable :

- CAB/MTRGAZ1
  M16 connector IP40

ATEX Lithium battery :

- BAT/MTRGAZ1
  LS14500EX battery

ATIM Cloud Wireless™ Platform (option)

Control all your ATIM devices using Sigfox and LoRa on the same secured Web platform!
Manage and operate your IoT data very easily.
Thanks to new LPWAN networks, device remote management is simple and accessible to anyone.

Managing the products by groups	Emails & SMS alerts	Products geolocation
Real time visualisation	Secured API	Personalization: white label
Signal quality	Export your data	Downlinks
Mobile app	On-call management	

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