



Transmitter 1 analog sensor + 1 dry contact input

ACW-MIO (Multiple Inputs/Outputs)

No need for complex wiring: this device allows you to transmit the information from your 4/20mA or 0/10V sensor via secure long-distance radio transmission. (Operated or private networks)

<p>Long-distance radio transmission of analog sensor measurement and ToR (change state)/counting input</p>	<p>IP66 / 67 protection class with cable gland</p> <p>IP68 option (on request and MOQ)</p>	<p>Modes</p> <ul style="list-style-type: none"> • Datalogging • Data redundancy 	<p>Plug & Play</p> <ul style="list-style-type: none"> • Quick and easy installation • Product delivered pre-configured (MOQ required for specific configuration) <p>Multi-color LED network quality indication</p>	<p>Dynamic control of the external sensor power supply (4-20mA / 0-5V / 0-10V) in 5V, 12V or 24V (default)</p> <p>10 years of autonomy (with one emission /15 min in LoRaWAN SF9)*</p>

*The autonomy of a product depends on several external factors (temperature and humidity, transmission frequency, network quality,...)

4 EXAMPLES OF USE CASES

- Tank / tank / silo level
- Pressure in hydraulic or compressed air networks
- Measurement of river levels, wells, irrigation basins, groundwater
- Humidity measurement in greenhouses



Connectivité



Choose LoRaWAN or Sigfox mode via the configurator.

Optionnel



LTE-M and NB-IoT version: Low-power cellular technologies with wide coverage. Ask for the all-inclusive option with SIM card and prepaid subscription.

Made in France



100% French design and manufacturing, from R&D to production.



*Configurator and generic decoder with the whole range

Easily configure the radio transmitter using the included software :

- Local (BLE)
- Remote via Downlink

FEATURES

Dimensions	147 x 87 x 58 mm		
Antenna	Integrated (1/4 wave) – External antenna option on request		
Temperature	-20°C à +55°C (Operation)		
	-40°C à +70°C (Storage)		
Fixation	By 4 screws or 2 hose clamps		
Case	IP 66/67 and IP68 on request (MOQ required)		
Power	1 pack of 3.6V / 7.2 Ah lithium batteries / 2 packs in CEL version		
Weight	100 g		
Frequency	863 – 870 MHz		
Power	25 mW (14 dBm)		
Version radio	Sigfox : NA		
	LoRaWAN : v1.0.4		
Flow rate	LTEM : 1119 Kbit/s		
	NB-IOT : 158,5 Kbit/s		
	Sigfox : 100 bits/s		
	LoRaWAN : 250 bit/s à 5.5 Kbit/s		
Consumption	LTEM / NB-IoT	Sigfox	LoRaWAN
Mode Tx	NA	NA	30mA
Mode veille	NA	NA	15 µA



Monitor the level and consumption of water from your wells or groundwater in real time.



Monitor your greenhouse environment in real time.

REFERENCES

Designation*	Version
ACW/xxx-MIO-C0	with cable gland, delivered without cable
ACW/xxx-MIO-C1	with cable gland, supplied with 1m cable
ACW/xxx-MIO-1M8	1 female M8 connector (1 ana input + 1 ToR)
ACW/xxx-MIO-2M8	2 female M8 connectors (2 ana + 1 ToR inputs)

Technologies /xxx:

ACW/LS8: LoRaWAN / Sigfox (LoRaWAN by default)
ACW/CEL: Cellular (NB-IoT / LTE-M)



ATIM connects everything®