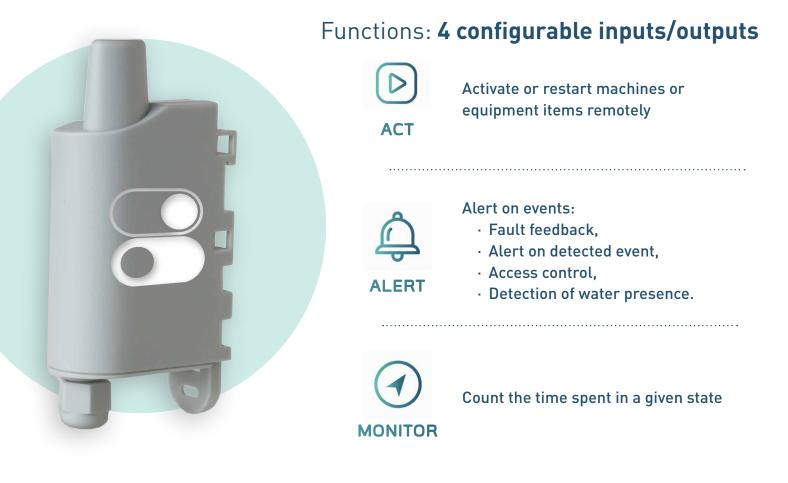
DRY CONTACTS



Report 0-1 states, control relays or equipment, measure machine operating time.



Additionnal features:

- Periodic and/or event mode
- Error or Default management: hardware error, configuration inconsistancy and low battery alert
- · Timestamp of the frame (LoRaWAN)
- Network Quality Test at start-up (LoRaWAN)



Detect the opening of a door in a restricted area. Count the time a fridge has been left open.

Broadcast information instantly on

a malfunction of an escalator, an elevator...

TECHNICAL SPECIFICATIONS





LoRaWAN ARF8170BA | Sigfox ARF8171BA

Mechanical specifications		
Weight	90 g (battery included)	
Dimensions	105 x 50 x 27 mm	
Enclosure	IP67, EMERGE™ PC 8731HH grey resin (casing), EMERGE™ PC 8430-15 transparent resin (sole)	
Mounting	DIN Rail, Tube, Wall, Collar	
Cable length	70 cm + 10 cm of stripped wire	
Operating conditions		
Temperature	-25°C / +70°C	
Humidity	0 to 85% RH (non-condensing)	
Device Power Supply		
Battery Type	1 replaceable battery	
Expected Battery Life	For 1 frame every 4 hours (6 frames/day), default open state entry: - Sigfox: 4.2 years - LoRaWAN SF12 or SF7: > 10 years	
Device configuration		
Local device configuration	IoT Configurator	
Remote device configuration	Downlink via the network or via the KARE platform	
Security	PIN/PUK Code protection	
Radio/Wireless		
Supported regions	LoRaWAN EU863-870 / Sigfox RC1	
Wireless Security	AES-128 data encryption (LoRaWAN only)	
Class	LoRaWAN: Class A Sigfox: Class 0	
Supported LoRaWAN features	OTAA, ABP, ADR, adaptive channel setup	
RF transmit power	14 dBm	
Sensitivity	-136 dBm LoRaWAN @SF12 / -122 dBm Sigfox	
Regulations and certifications		
Standard	Directive 2014/53/UE (RED)	

INPUTS		OUTPUTS	
Number	up to 4 by configuration	Number	up to 4 by configuration
Voltage	0 - 24 V	Charging voltage	0 - 24 V
Equivalent input resis- tance	500 kΩ	Recommended dissipa- tion current	100 mA
Input frequency	10 Hz	Output frequency	10 Hz

BUNDLE	LoRaWAN	Sigfox
Double level sensor	ARF8170BA-B02	ARF8171BA-B02
Contact sensor	ARF8170BA-B01	ARF8171BA-B01
Water leak cable	ARF8170BA-B03	ARF8171BA-B03
Water leak spot	ARF8170BA-B04	ARF8171BA-B04

