Contact sensor







Monitor openings / closures





- · Alert in the event of:
 - intrusion
 - opening or closing
- Prevent beyond a certain number of openings / closings



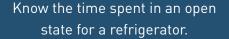
Count the time spent in the open or closed state.

Ex: refrigerator door

Additional features:

- · Data transmission:
 - on detection of a change of state (opening or closing)
 - or by default every 12 hours (twice a day)
- Error/fault management: product error warning, configuration error, low battery
- · Data time stamping
- · Network quality test at start-up







Detect the opening of a smoke extraction hatch.



Detect an intrusion (technical room, server room, hatches, windows...).

TECHNICAL SPECIFICATIONS



LoRaWAN ARF8170BCA-B01

DRY CONTACTS	
Mechanical specifications	
Weight	87g (battery included)
Dimensions	132 x 62 x 34 mm
Enclosure	IP68, EMERGE™ PC 8731HH grey resin (casing), EMERGE™ PC 8430-15 transparent resin (sole)
Mounting	DIN Rail, Tube, Wall, Collar
Operating conditions	
Temperature	-25°C / +70°C
Humidity	0 to 85% RH (non-condensing)
Device Power Supply	
Battery Type	1 replaceable battery or external power supply
Expected Battery Life	With standard configuration: >10 years
Device configuration	
Local device configuration	IoT Configurator
Remote device configuration	Downlink via the network or via the KARE platform
Configuration and firmware update from the air	KARE+ compatible
Security	PIN/PUK Code protection
Radio/Wireless	
Supported regions	LoRaWAN EU863-870
Wireless Security	AES-128 data encryption
Class	Class A
Supported LoRaWAN features	OTAA, ABP, ADR, adaptive channel setup
RF transmit power	14 dBm (25 mW)
Sensitivity	-136 dBm EU868 @SF12
Regulations and certifications	
Standard	Directive 2014/53/UE (RED)

PROXIMITY SENSOR	
Detection	Magnetic detection
Cable Length	≈ 1.2 meter
Dimension	14 x 38 x 8.7 mm
Casing	IP67
Max distance between the 2 magnets for detection	15 mm
Operating temperature	-10°C to +85°C

