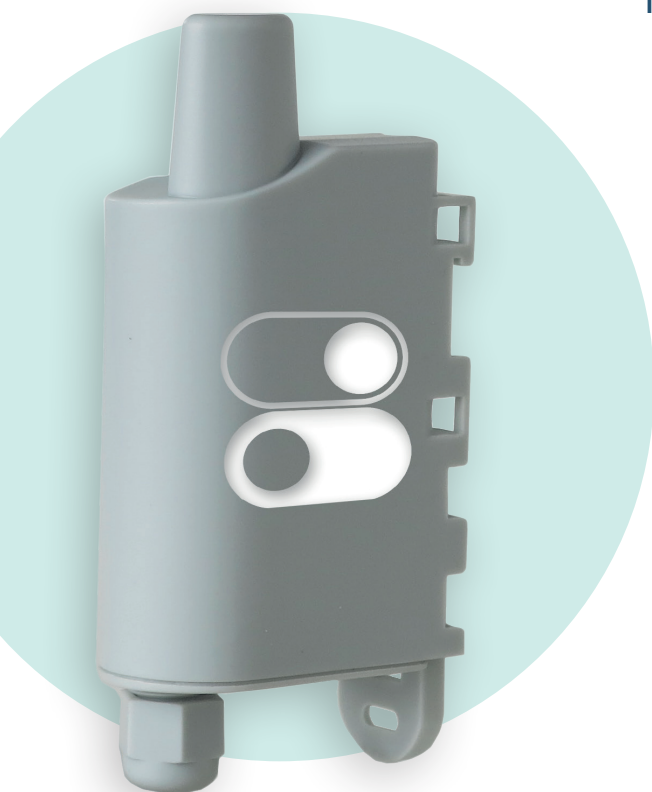# DRY CONTACTS

adeunis
IOT PRODUCTS & SOLUTIONS

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

Functions: **4 configurable inputs/outputs**

ACT
Activate or restart machines or equipment items remotely

ALERT
Alert on events:
· Fault feedback,
· Alert on detected event,
· Access control,
· Detection of water presence.

MONITOR
Count the time spent in a given state

+

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

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
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	Sigfox RC1
Class	Class 0
RF transmit power	14 dBm
Sensitivity	-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 resistance	500 kΩ	Recommended dissipation current	100 mA
Input frequency	10 Hz	Output frequency	10 Hz

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