

Double level sensor

Monitor the evolution of a fluid level

Dry Contacts



Dual level sensor



- Warn when the level rises or down
- Anticipating an overflow
- Prevent at the end of the tank

Additional features:

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



Monitor the level of a basin (retention, evacuation) or a tank.



Monitor the water level in a drainage nozzle to avoid overflows.

TECHNICAL SPECIFICATIONS



LoRaWAN ARF8170BA-B02 | Sigfox ARF8171BA-B02

DRY CONTACTS

Mechanical specifications

Weight	90g (battery included)
Dimensions	105 x 50 x 27mm
Enclosure	IP67, 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
Expected Battery Life	With standard configuration: - Sigfox: 5.6 years - LoRaWAN: >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 (25 mW)
Sensitivity	-136 dBm LoRaWAN EU868 @SF12 -124 dBm Sigfox RC1

Regulations and certifications

Standard	Directive 2014/53/UE (RED)
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DOUBLE LEVEL SENSOR

Detection	Contact detection
Cable Length	≈ 1 meter
Dimension	215 mm total length
Casing	Stainless steel 304
Liquid	Compatible with all types of non corrosive fluids
Typical operating pressure	1 Mpa (Max 5MPa)
Operating temperature	up to +120°C

