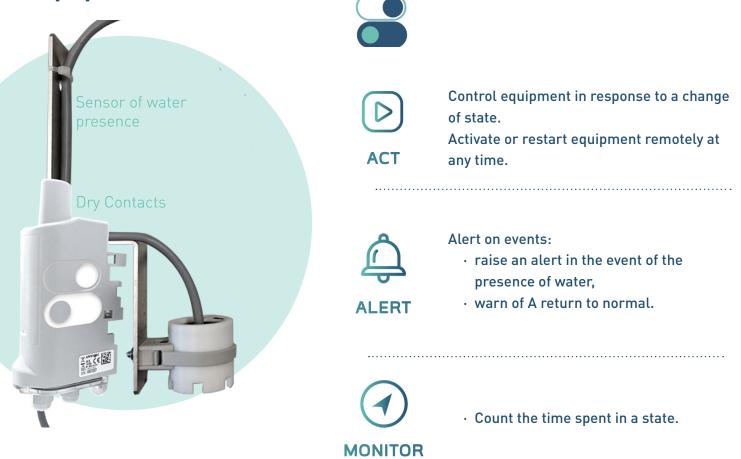
## WATER LEAK SPOT

Detecting a water leak on the ground, around an object or equipment.



## Additional features:

- Four configurable digital inputs/outputs:
  - Control an output based on the change in state of an input
  - Remote and in near-real time control of an output LoRaWAN Class C
  - Track the time spent in a given state
- Data transmission modes: periodic and/or event-triggered
- Local and remote product configuration



Monitor the presence of water in a specific area and prevent damage in the event of rising water.



adeunis

IOT PRODUCTS & SOLUTIONS

Monitor the presence of water in a room containing sensitive hightech equipment.

## TECHNICAL SPECIFICATIONS



## LoRaWAN ARF8170ARA-B04

Mechanical specifications	129g (bettervincluded)		
Weight	128g (battery included)		
Dimensions	132 x 62 x 34 mm		
Enclosure	IP68, EMERGE™ PC 8731HH grey resin (casing), EMERGE™ PC 8430-15 transpare 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	Battery power: replaceable battery (4000 mAh) External power supply (not supplied): input range 4.5 - 6.5V - Max current 200mA USB power supply: supply voltage 5V nominal - Max current 200mA		
Expected Battery Life	1 transmission/4 hours, 4 inputs in default «open» state and 100 events per day: SF7: > 15 years   SF12: > 15 years		
External power supply	Input range 4.5 - 6.5 V - Max current 110mA		
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		
LoRaWAN spec.	1.0.4		
Wireless Security	AES-128 data encryption		
Class	Class A and Class C (if external power supply connected)		
Supported LoRaWAN features	OTAA, ABP, ADR, adaptive channel setup		
Data time-stamping	EPOCH 2013 format (can be activated)		
Joining phase	Customisable (number of attempts, time between attempts), remote join re-launch		
Network quality test	Performed automatically when the product starts up (via LEDs)		
RF transmit power	14 dBm		
Regulations and certifications			
Standard	Directive 2014/53/UE (RED)		

INPUTS / OUTPUTS		WATER SENSOR	
Number	up to 4 by configuration	Cable Length	3,2 meters
Voltage	0 - 24 V	Installation	Flat angle brack to fixed the sensor under an equipment or along a wall
Equivalent input resistance	500 kΩ		
Input/Outputs frequency	10 Hz	Detection	Electrode
Recommended dissipation max current	100 mA	Liquid	Only Water (conductive liquid)

