

WATER LEAK SPOT

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



ACT

Control equipment in response to a change of state.
Activate or restart equipment remotely at any time.



ALERT

Alert on events:

- raise an alert in the event of the presence of water,
- warn of A return to normal.



MONITOR

· Count the time spent in a state.

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.



Monitor the presence of water in a room containing sensitive high-tech equipment.

TECHNICAL SPECIFICATIONS



WATER LEAK SPOT

Current versions and associated part number

LoRaWAN	US902-928	ARF8170BRA-B04
	AU915-928	ARF8170IRA-B04
	AS923	ARF8170JRA-B04
Sigfox	RC2	ARF8170DRA-B04
	RC4	ARF8170KRA-B04

General specifications

Weight	128g (battery included)
Dimensions	132 x 62 x 34 mm
Enclosure	IP68, EMERGE™ PC 8731HH grey resin (housing), EMERGE™ PC8430-15 transparent resin (base)
Mounting	DIN rail, tube, wall, collar
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
Recommended operating conditions with battery supply	-25°C / +70°C ; 0 à 85% RH (non-condensing)

Device configuration

Local device configuration	IoT Configurator (Windows/Android)
Remote device configuration	Downlink via the network or via the KARE platform
Security	PIN/PUK code protection

INPUTS		OUTPUTS	
Number	up to 4 by configuration	Number	up to 4 by configuration
Voltage	0 - 24 V	Voltage	0 - 24 V
Equivalent input resistance	500 kΩ	Recommended dissipation max current	150 mA
Input frequency	10 Hz	Output frequency	10 Hz

WATER SENSOR

Cable Length	3,2 meters
Installation	Flat angle brack to fixed the sensor under an equipment or along a wall
Detection	Electrode
Liquid	Only Water (conductive liquid)



TECHNICAL SPECIFICATIONS



LoRaWAN WATER LEAK SPOT

Zone	US902-928 Mhz	AS923-1 Mhz	AU915-928 Mhz
Part number	ARF8170BRA-B04	ARF8170JRA-B04	ARF8170IRA-B04
Autonomy			
Expected Battery Life 1 transmission/4 hours, 4 inputs in default «open» state and 100 events per day	SF7: > 15 years SF12: > 15 years		
Radio/Wireless features			
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		
Joining phase	Can be customised (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	+ 20 dBm	+ 14 dBm	+ 20 dBm
Regulations and certifications			
Standard	US: FCC- Title 47 CFR Part 15 Canada: RSS-247 Issue 2	AS/NZS 4268	AS/NZS 4268

Sigfox WATER LEAK SPOT

Zone	RC2	RC4
Part number	ARF8170DRA-B04	ARF8170KRA-B04
Autonomy		
Expected Battery Life 1 transmission/4 hours, 4 inputs in default «open» state and 100 events per day	>15 years	>15 years
Radio/Wireless features		
Class	Class 0	
RF transmit power	+ 20 dBm	+ 14 dBm
Regulations and certifications		
Standard	US: FCC- Title 47 CFR Part 15 Canada: RSS-247 Issue 2	AS/NZS 4268

