

Water leak spot

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

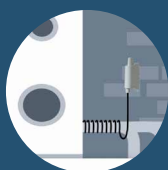


- Raise an alert in the event of the presence of water
- Warn of return to normal

Additional features:



- **Data transmission:**
 - if water is detected
 - by default every 4 hours
- **Error/fault management:** product error warning, configuration error, low battery
- **Data time stamping (LoRaWAN)**
- **Network quality test at start-up (LoRaWAN)**



Wrap the sensing cable around a water pipe in order to detect a possible leak.



Position the cable around sensitive elements or along baseboards to be warned of possible water damage.

TECHNICAL SPECIFICATIONS



LoRaWAN ARF8170BA-B04 | Sigfox ARF8171BA-B04

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

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|-------------|------------------------------|
| Temperature | -25°C / +70°C |
| Humidity | 0 to 85% RH (non-condensing) |

Device Power Supply

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|-----------------------|---|
| Battery Type | 1 replaceable battery |
| Expected Battery Life | With the default configuration : Sigfox: 4 years LoRaWAN: >10 years |

Device configuration

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|-----------------------------|--|
| Local device configuration | IoT Configurator |
| Remote device configuration | Downlink via the network or via the KARE platform or through the KARE platform |
| Security | PIN/PUK Code protection |

Radio/Wireless

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|----------------------------|---|
| 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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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) |

