# RF-1110-07-1

## Micro DWS LoNa, EN/Incert approved, white

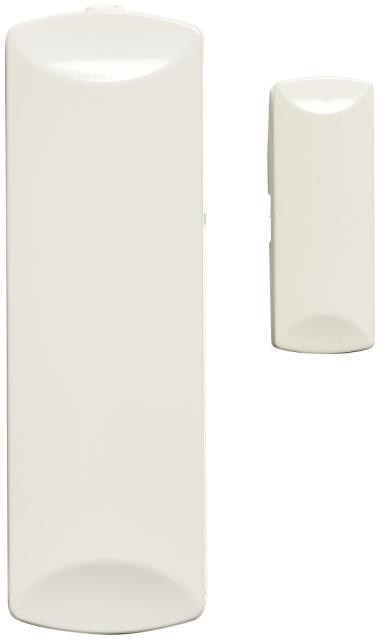
This micro DWS is a low profile magnetic contact that provides intrusion detection for residential and small businesses applications and is an extension of our LoNa product portfolio.

This sensor can easily be installed on doors, windows, cabinets or other items that can be opened and closed.

It's tamper detects unauthorized access to the inside of the sensor and also checks whether the sensor has been removed from its mounting surface.

The sensor can be mounted using the double-side tape provided or screws as required for EN/Incert certified installations.

The device also contains a replaceable lithium battery allowing it to run 5 to 8 years depending on the use case.



## Details

- Using LoNa technology
- Compact design
- 5 to 8 years battery life (based on usage)
- EN/Incert certified

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## Technical specifications

### General

| | |
|---|---|
| Application type | Surface mount |

### Wired/wireless

| | |
|---|---|
| Wired-wireless | Wireless |
| Wireless frequency | 433 MHz LoNa |
| Open-air range | 150 m |
| Operating gap | 15.5 mm maximum |
| Compatibility | Interlogix LoNa receivers |
| Wireless operating frequency | 433.65 MHz |
| Power output | -2 dBm EIRP |

### Electrical

| | |
|---|---|
| Batteries | 3 V lithium CR2032 |
| Battery lifetime | 5 to 8 years |
| Battery life | 5 years (depending on usage) |
| Quiescent current | 1.4 µA |
| Maximum current | 15 mA |
| Low voltage fault | 2.2 V |

### Physical

| | |
|---|---|
| Dimensions magnet | 31 x 13 x 8 mm |
| Dimensions contact / sensor | 80 x 25 x 15 mm |
| Colour | White |
| Material | ABS |
| Colour | white and brown covers included |

### Environmental

| | |
|---|---|
| Operating temperature | 0 to 49°C |
| Relative humidity | 5 to 95% noncondensing |
| Environment | Indoor |

### Regulatory

| | |
|---|---|
| EN50131 grade | Grade 2 |
| Compliancy | CE |
| Certification | EN50131 Grade 2, INCERT |

### Make - Break distances non-ferromagnetic surface

| | |
|---|---|
| Approach distance X (switch closed) | 15 mm |
| Removal distance X (switch open) | 17 mm |
| Approach distance Y (switch closed) | 23 mm |
| Removal distance Y (switch open) | 27 mm |
| Approach distance Z+/Z- (switch closed) | 35/32 mm |
| Removal distance Z+/Z- (switch open) | 38/36 mm |

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