DF410

Wireless gate sensor module, battery powered, gray enclosure

Product overview

The compact, all-weather FlexZone Wireless Gate Sensor DF410 is attached directly onto the gate fabric and transmits alarm data to a nearby system over an encrypted link. The DF410 sensor module is powered from its internal batteries, eliminating the need to route cables from the fence to the gate. The Wireless Gate Sensor simplifies maintenance, is easy to install, and works reliably in the most harsh environments.

The FlexZone Wireless Gate Sensor DF410 consists of two main components: the sensor module and a receiver card installed inside a FlexZone processor. The sensor module analyzes vibration, motion and position data. It transmits intrusion and supervision alarms, power levels, RF link status, and auxiliary input state to the receiver card over the encrypted wireless link.

Simplified maintenance

The sensor module includes an auxiliary input cable for monitoring gate contacts. The unit is battery powered and uses a standard, field-replaceable ‘D’ size battery which has a life-span of over a year. Both versions include on-board reserve emergency power for interim operation.

Secure communication

The Wireless Gate Sensor integrates into the existing sensor network, with the host device reporting the sensor’s alarm, tilt, RF link, power, and auxiliary input status. The RF link between the sensor module and receiver uses 128-bit encryption and the system generates a supervision alarm if anyone attempts to jam or otherwise interfere with the sensor module.

The maximum distance between the Wireless Gate Sensor and the processor/gateway hosting the receiver card can be up to 300 m under ideal conditions; a maximum distance of up to 100 m is recommended for site designs.



Details

- Detect intrusion attempts on sliding and swinging gates
- Wireless operation eliminates need to route cables from fence to moving gate panels
- Up to 300 m transmission range from FlexZone processor
- Secure, 128-bit encrypted RF transmissions
- Supervised input for auxiliary device alarm reporting

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Technical specifications

General

Category	FlexZone
Product type	FlexZone Control unit
Frequency	863.0 to 870.0 MHz

Detection

Range	up to 300 m

Electrical

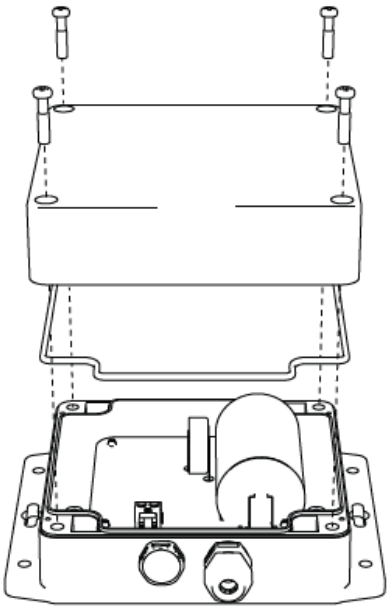
Operating voltage	1.5 V
Power consumption	3 mW (avg) to 0.5 W
Batteries	D-sized battery 1.5V

Physical

Physical dimensions	149 x 121 x 60 mm
Net weight	640 g

Environmental

Operating temperature	-40 to 70 °C
Relative humidity	100% condensing
IP rating	IP66



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