

VIGILFENCE

A revolutionary perimeter fence security device

The VigilFence system changes normal perimeter fences, which are just a physical barrier, into sophisticated detection solutions. The system uses an array of wireless networked devices that are installed on the poles of perimeter fences.¹

The devices are battery powered by 2 x standard AA batteries. The batteries will power the device for at least two years and will connect to gateways up to 20km away.² Devices are optimised to detect vibrations and movements caused by a person climbing or cutting the fence. The device then reports via a public or private gateway to a security management system.

VigilFence is designed to be an extremely cost-effective solution for detecting unwanted intruders to your facility. The VigilFence system is able to integrate with existing security systems to add an effective layer to your perimeter security.

FEATURES AND BENEFITS

- Low cost of each unit enables large areas to be monitored
- Low cost of operation
- Integration with existing security systems increases situational awareness
- Able to be connected to the Spark LoRaWAN NZ Network. Alternatively, a local gateway can be installed to establish a private network, depending on customer requirements
- Security Encryption
- Customisable for customer requirements

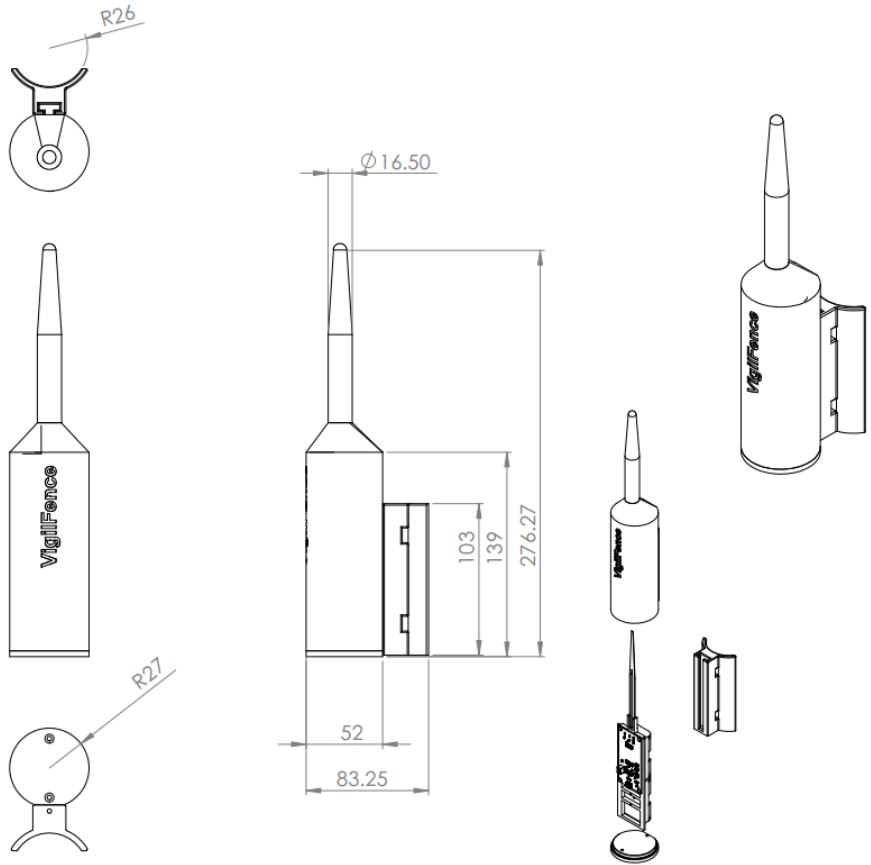
¹ Typical installation is every third pole

² Battery endurance will depend on the number of triggered events
Connection range will depend on the site specifics – typical urban connections are 3-5km



TECHNICAL INFORMATION– VIGILFENCE VERSION RA1.5

Physical External Dimensions (mm)



Length 85mm Width 55mm Height 280mm

Case Materials

PETG Plastic - UV Stabilized

Mounting

2 x Stainless steel Cable Ties

Operating Voltage

2.2 - 3.6v DC

Main Power Source

2 x AA Batteries (Alkaline / Lithium Ion)

Battery Life

These batteries will last at least 2 years (normal usage profile)

Frequencies

LoRa Frequencies AS923 Standard - (923.2MHz to 923.8MHz)

Recommended Service Cycle

Service requirement every 24 Months

IP Rating

Designed to IP 65

Radio Compliance

STD AS/NZS 4268

Encryption

AES 128