VigilFence

Advanced Security

a revolutionary perimeter fence security device

The VigilFence system changes normal perimeter fences, that 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 2 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 incursions into your facility. The VigilFence system is able to integrate with existing security systems such as Gallagher 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. Alternately, 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

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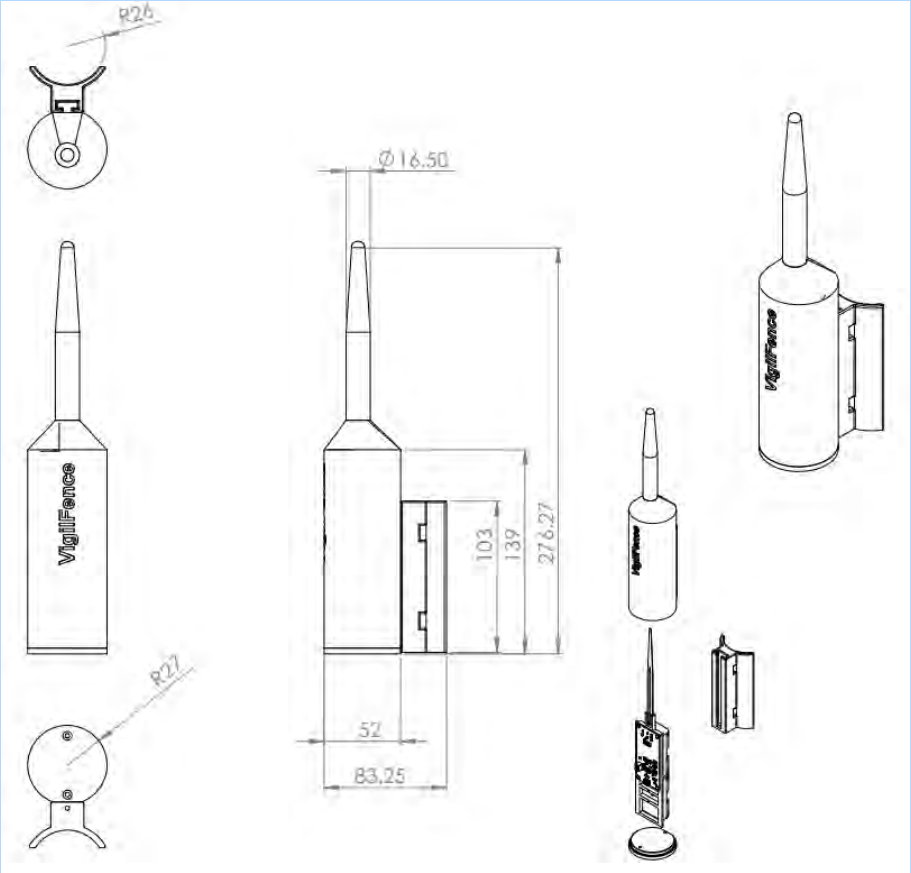
ASG TECHNOLOGIES

Technical Information - VigilFence version RA1.5

Technical Information	
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