VIGILREED

A revolutionary security device

The VigilReed system changes doors/lids/hatches etc, which are just physical barriers, into sophisticated detection solutions. The VigilReed system uses individual or an array of wireless networked devices that are installed on openings that are to be monitored.

The devices are battery powered by 2 x standard AA batteries. The batteries will power the device for a 2 year period and will connect to gateways up to 20km away.[1] Devices are optimised to detect changes via movements caused by a person opening or closing the monitored area. The device then reports via a public or private gateway to a security management system.

VigilReed is designed to be an extremely cost-effective solution for detecting unwanted intruders into areas of your facility. The VigilReed system is able to integrate with existing security systems to add an effective layer to your security.
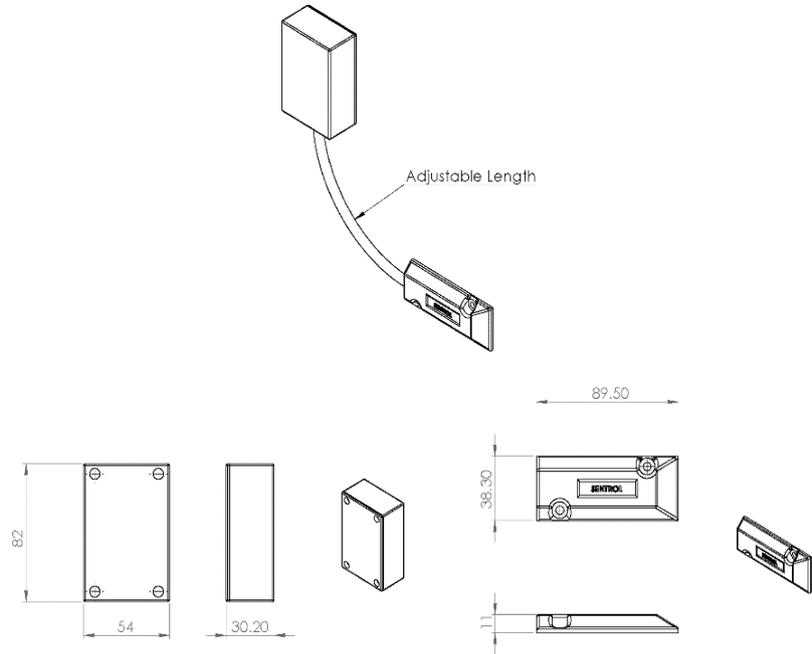
FEATURES AND BENEFITS

- 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] *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- VIGILREED VERSION RA1.0

Physical External Dimensions (mm)

Length 82mm   Width 54mm   Height 30.2mm

Case Materials	PETG Plastic - UV Stabilized
Mounting	2 x Stainless steel screws or Strong Adhesive
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