GS250
Wireless Multi-Axis Detector

Description

The Gpower GS250 is an indoor wireless movement detector that uses advanced three-axis accelerometer technology (X,Y, and Z) to sense movement of any object it is attached to. When fitted to any protected valuable or asset, the Gpower will trigger a detection if an attempt is made to move the object.

The Gpower features adjustable sensitivity and an Installer Test mode. It is also fully supervised by the panel for RF presence and low battery. Furthermore, the Gpower is easily concealed and offers tamper protection against the opening of the module's cover or the removal of the module from the protected object.

The Gpower is the ideal solution for protecting individual assets or valuables, thus enhancing a traditional security system installation.
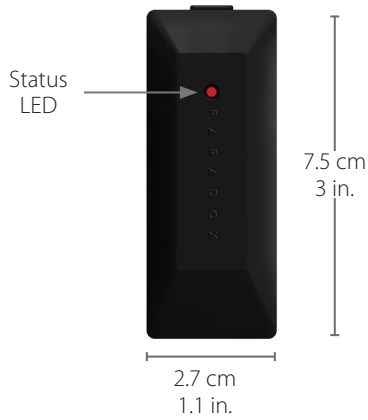
Features

- Three-axis (X, Y, and Z axis) accelerometer detection
- Adjustable sensitivity for any installation (additional grace period of up to four seconds can be added):
  - Short movement (High-security) = 1 to 3-seconds
  - Long movement (Standard-security) = 3 to 5-seconds
- Long battery life (2 years with two detections per week)
- Low battery and RF supervision
- Available in 433 MHz or 868 MHz
- Dual-tamper detection for removal or opening of the device
- Power saving mode (conserves battery life)

Applications

- Residential: expensive electronics, house safes, paintings, antiques and collectibles
- Commercial: external air conditioning units, external solar panels, ATM machines, art, etc.

GS250 Overview

Status
LED →

7.5 cm
3 in.

2.7 cm
1.1 in.

0.64 cm
0.25 in

Optional Features

• **Multi-axis Accelerometer**
 The Gpower uses three-axis accelerometer technology to recognize movement; it senses acceleration in not only the X and Y, but also the Z axis.

• **Adjustable Sensitivity**
 The Gpower features adjustable sensitivity to provide the best protection for any given installation. Settings can be adjusted between High-security (1 to 3-second movement) or Standard-security (3 to 5-second movement).
 In addition, a grace period of up to four seconds can be added to either sensitivity setting.

• **Dual Tamper Protection**
 The Gpower offers tamper protection against the opening of the module's cover or the removal of the module from the protected object.

• **Test Mode**
 Each time the battery is inserted (power-up), or when the tamper is opened, the GS250 will enter test mode. The unit will exit test mode after 15 minutes, or after a period of five minutes with no movement.

• **Power Saving Mode**
 If two consecutive alarms occur within a five-minute period, the Gpower goes into power saving mode for a period of three minutes.

Specifications

Sensor Type	Three-axis accelerometer, with software algorithm for safe detection
Battery	One 3V lithium battery CR2032/DL2032 (included); battery life is approximately two years, based on two detections per week
Range	Approximately 100 m (328 ft.) in line of sight
RF Frequency	433 MHz or 868 MHz (transceiver)
Operating Temperature	0ºC to 50ºC (32ºF to 122ºF)
Dimensions	7.5 x 2.7 x 0.64 cm (3 x 1.1 x 0.25 in.)

P ▲ R ▲ D O X™
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