Other products from GSD

Contents

GSD i70

Grade 2 Intrusion PIR Motion Sensor

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Installation Manual V1.05

Enrolling on a GSDi intrusion system

1. On the system start enrolling: see GSDi installation manual for details.

2. Remove the front cover from GSDi-RF-PIR.

3. Press and hold the front tamper.
   If removing PCB from the base, ensure that the back tamper is closed before closing front tamper.

4. Wait about 5 seconds.

5. When the LED on the front lights, release the tamper switch.
   - The sensor flashes the LED to indicate it is searching for the system.
   - When it finds the system the keypad will display a message.

6. Replace front cover on GSD-RF-PIR and secure it with the fixing screw.

Configuring the PIR

The PIR range may be adjusted using a GSDi Control Panel. By default it is set to long (maximum) range and may be reduced to medium (approx 2 / 3 max) or short (approx 1 / 3 max).

Adjusting the PIR range

1. Start device test: in the installer menu navigate to Devices / Zones - <desired zone> - Device - Test device and press OK.
   - The keypad will start the signal test for the device.
   - This can take up to 30 s as the system must wait for the sensor to poll.

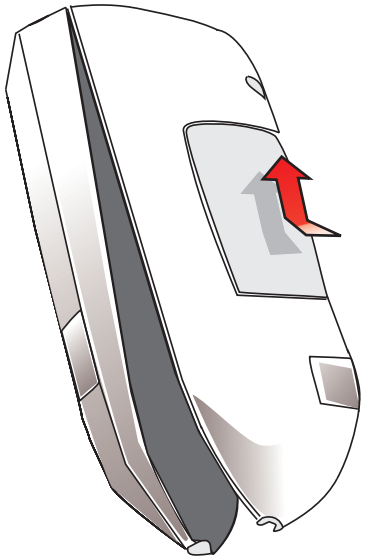
2. Press Next.
   - The keypad switches to PIR sensor testing.
   - PIR range can be adjusted using Left / Right.
   - Values 0 = short, 1 = medium, 2 = long.
   - The LED on the PIR switches on to indicate activity.

3. Once adjustment is complete press Next.

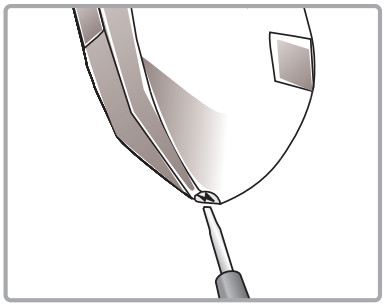
4. Verify that motion is detected as required (indicated by Zone Open).

5. Press Next to finish.

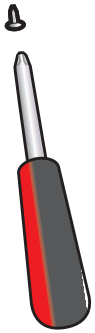
PIR opening



Once PIR Motion Sensor base is secured to wall hook front unit up and under then insert retaining screw underneath

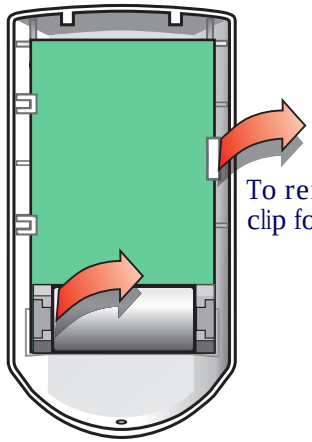


To remove front cover loosen screw



To remove Battery, lift up

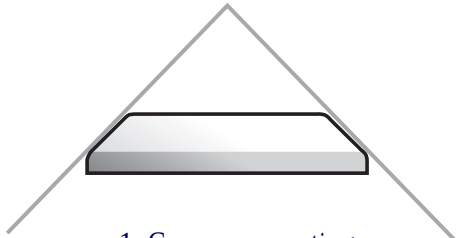
Fitted with 1 x CR123A Battery



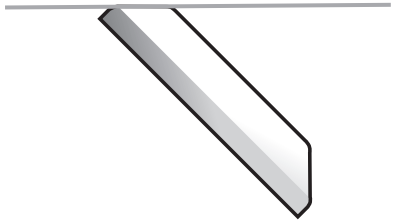
To remove PCB, push clip forward

PIR mounting

Mount the sensor as shown in the diagrams below.
WARNING: The detector must be mounted so that it has a clear view of the area to be protected. Detection performance will be hindered by any object partially or completely obscuring the detector's field of view.The detector must not be mounted in direct sunlight.

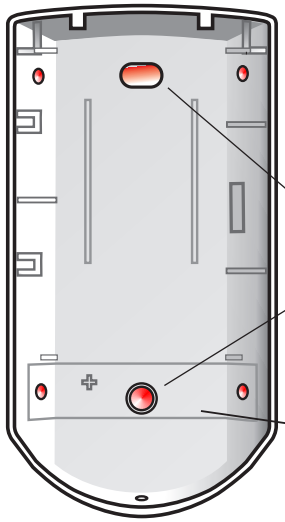


1. Corner mounting



3. Edge mounting

2. Flat mounting



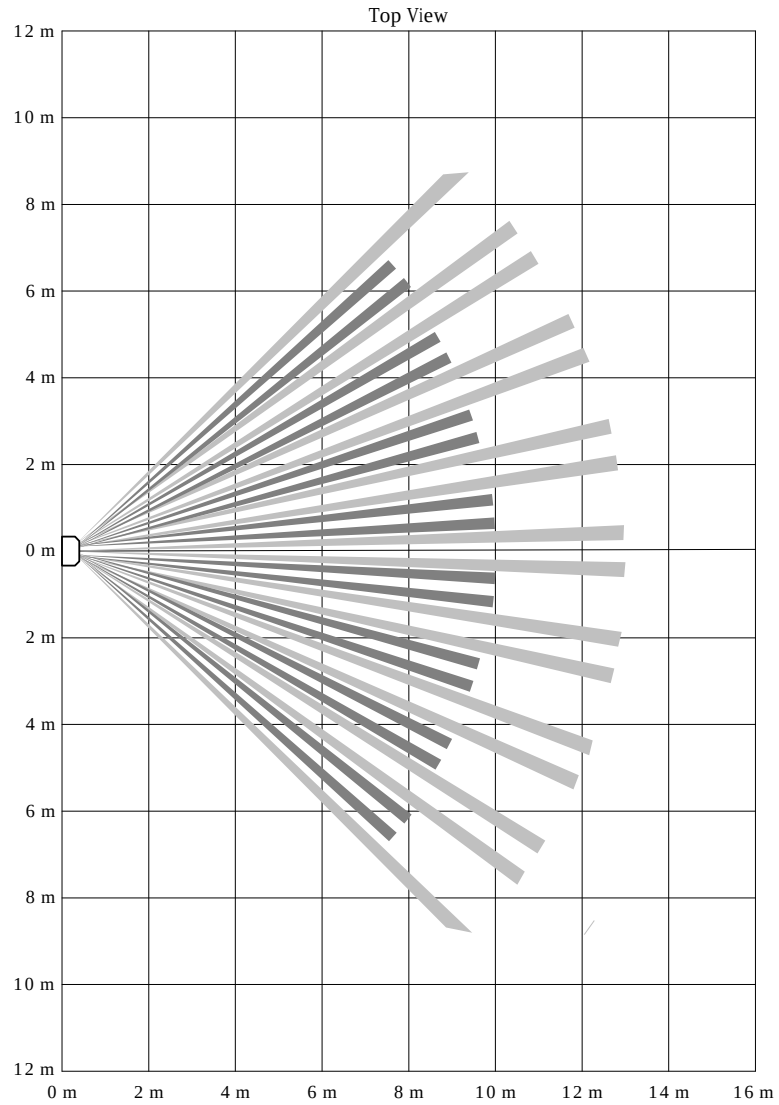
Drill through appropriate pilot holes in rear enclosure and mount to wall

Mount Holes

mount with 2 x 1 inch No.8 security screws

Replace back tamper plate if removed for drilling holes through

PIR detection pattern



Technical specification

	GSDi-RF-PIR	
Name of manufacturer	Global Security Devices Ltd	
Description of equipment	PIR motion sensor	
Standards	EN50131-1:2006 EN50131-2-2:2009 EN50131-6:2008 PD6662:2010 EN60950:2006	
Security grade	Grade 2	
Environmental class	Class II	
Operating temperature	-10°C to 40°C	
Relative humidity	Up to 75% non-condensing	
Detection pattern	90 degrees 12m	
Functions	PIR motion detection (12 m, 90°) Enclosure tamper detection Removal from mounting tamper detection Battery voltage monitor Automatic self-test every 24 hours	
Options (software configurable)	PIR range	
Inputs	None	
Signals / Indications	Condition	Signal
	Intrusion	Intrusion
	Tamper	Tamper
	Low battery	Low battery fault
	Total supply loss	Loss of communication
	Self test failure	Detector fault
Mounting height	1.5m to 3m (no adjustment required)	
Dimensions (w d h)	68mm 48mm 130mm	
Power supply description	Type C	
Battery	1 x CR123A lithium cells. Nominal voltage 3.0V. Low voltage indication below 2.6V. Life typically 3 years*	

* Battery life depends on detector use. This figure is based on the detector being connected to zone without chime enabled and in an area without inactivity timing.