

Enrolling on a GSDi intrusion system

1. On the system start enrolling: see GSDi installation manual for details.
2. Remove the GSDi Shock/Universal from its mounting plate.
3. Press and hold the tamper switch.
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 the sensor on its mounting plate.
7. Secure it with the fixing screw.



Contents

Operation Instructions 2

Installation Instructions 4

Technical Specification 6

GSD))) *i70*

Grade 2 Intrusion Shock / Universal

Configuring the Shock/Universal

The following settings are available on the Shock/Universal sensor.

- Magnet enable/disable
- Shock enable/disable
- Tamper enable/disable
- Gross single shock threshold
- Shock pulse count threshold

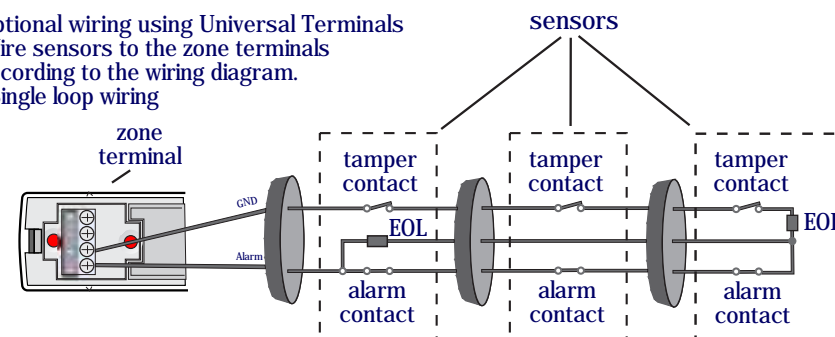
They can be found in the installer menu at the following location Device / Zones - <desired zone> - Device - Device settings. Additionally the gross shock threshold can be adjusted interactively as described below.

Adjusting the gross shock threshold

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 gross shock threshold setting is shown at the top.
 - The last shock measured is shown below the threshold setting.
 - The number of pulses registered by the sensor is shown at the bottom.
 - The gross shock threshold setting can be adjusted using Left / Right.
3. Test gross shocks at different points on the window or door to determine the level of shock registered and then set the gross shock threshold to the smallest gross shock value displayed.
4. Once the adjustment is complete press Next.
5. Verify that shocks are detected as required (indicated by Zone Open).
6. Press Next to finish.

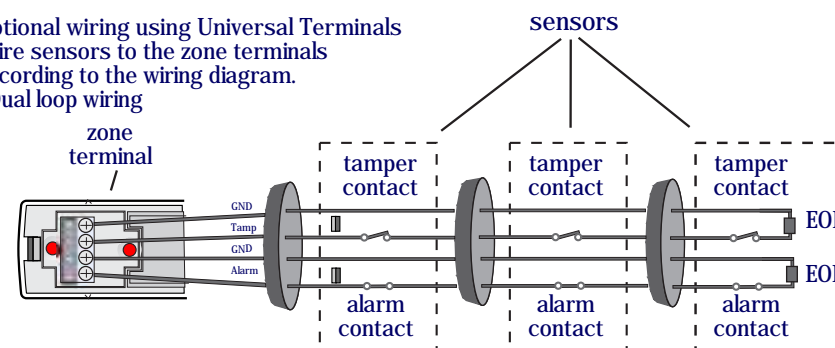
EOL type - dual end-of-line

Optional wiring using Universal Terminals
Wire sensors to the zone terminals according to the wiring diagram.
- Single loop wiring



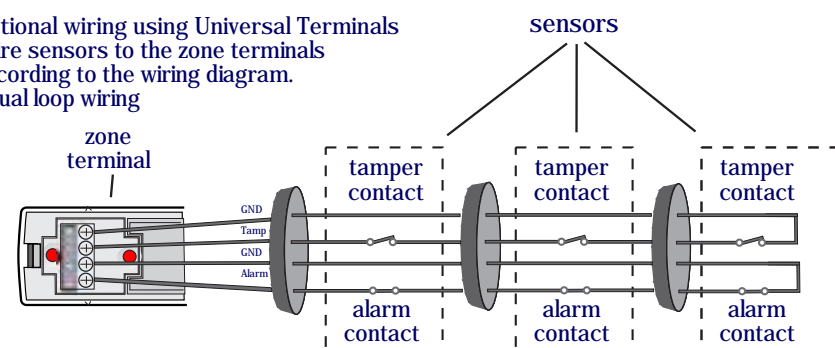
EOL type - single end-of-line

Optional wiring using Universal Terminals
Wire sensors to the zone terminals according to the wiring diagram.
- Dual loop wiring

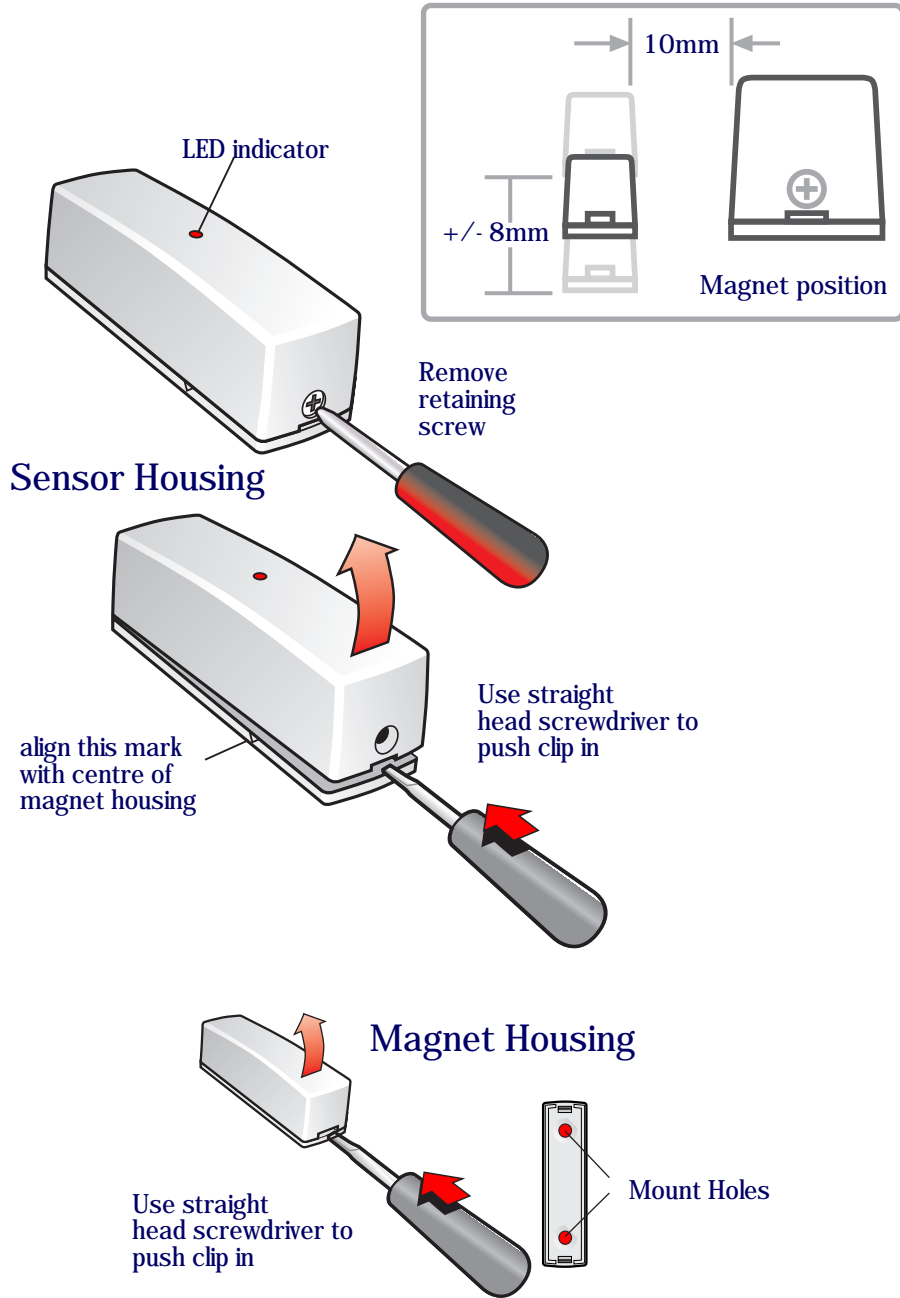


EOL type - no end-of-line

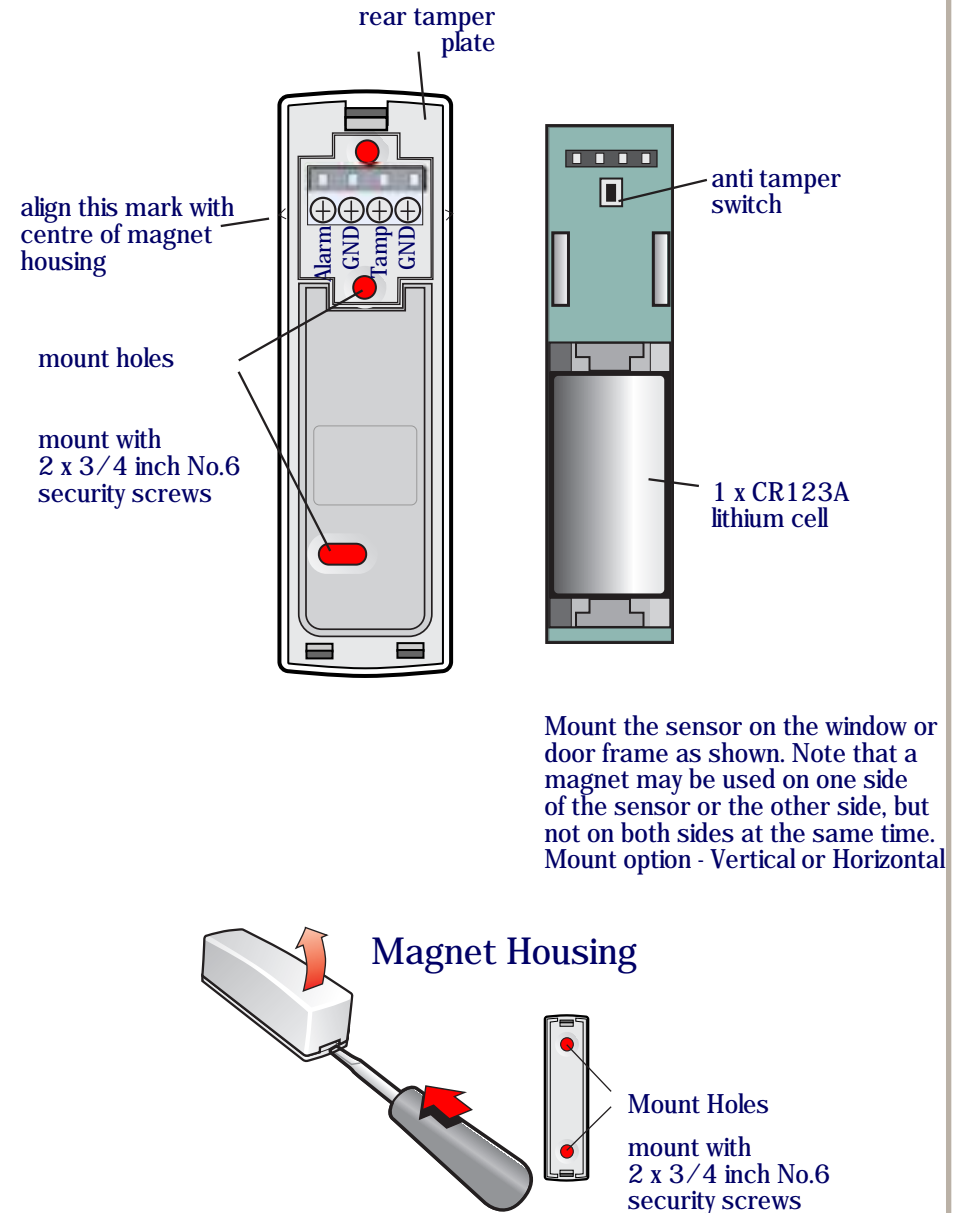
Optional wiring using Universal Terminals
Wire sensors to the zone terminals according to the wiring diagram.
- Dual loop wiring



Shock / Universal opening



Shock / Universal mounting



Technical specification

	GSDi-RF-SC	
Name of manufacturer	Global Security Devices Ltd	
Description of equipment	Door / Window Shock Sensor + Magnetic Contact Sensor + Universal Sensor	
Standards	EN50131-1:2006 EN50131-2-6:2008 EN50131-6:2008 PD6662:2010 BS4737-3.10:1978 EN60950:2006	
Security grade	Grade 2	
Environmental class	Class II	
Operating temperature	-10°C to 40°C	
Relative humidity	Up to 75% non-condensing	
Functions	Magnetic contact Frame mounted shock detection Enclosure tamper detection Removal from mounting tamper detection Battery voltage monitor	
Options (software configurable)	Disable magnetic contact Disable shock detection Gross shock threshold Pulse shock count threshold Disable tamper	
Inputs	None	
Signals / Indications	Condition	Signal
	Intrusion Tamper Low battery fault Total supply loss	Intrusion Tamper Low battery fault Loss of communication
Dimensions (w d h)	27mm 29mm 90mm	

	GSDi-RF-SC
Magnet position	Value given for $-8 \text{ mm} \leq B \leq 8 \text{ mm}$ Non-ferromagnetic surface Zone closed: A 10 mm Zone open: A 20 mm Not suitable for ferromagnetic surfaces
Power supply description	Type C
Battery	CR123A lithium cell. Nominal voltage 3.0V. Low voltage indication below 2.6V. Life typically 3 years*

* Battery life depends on detector usage. In a situation where the zone state changes frequently the battery life may be reduced.