INSTALLATION

PART CODE: SEISMOv3
DESCRIPTION: VIBRATION AND MOTION SENSOR (NEW VERSION)
SECURITY GRADE: 2
ENVIRONMENTAL CLASS: II
STANDARDS MET: EN50131-1 <> TS50131-2-8 <> PD6662:2017

START HERE

- Unscrew and remove the lid
- Remove the PCB from the base
- If using rear cable entry, thread zone & power wires through base
- For side entry, there are knockouts on each side and 2x on the bottom of the lid.
- Screw base to mounting surface using 2x countersunk head screws
- Configure PCB as follows →

Fit EOL / Alarm shunts vertically as per table below to configure resistors:

Control Panel	Value		Jumper	
	EOL	Alarm	EOL	Alarm
Honeywell (Ademco/Microtech)	1k	1k	A	1
Cooper (Scantronic, Menvier, Texecom, Pyronix, Castle)	2k2	4k7	B & C	2
Siemens, Aritech, HKC	4k7	4k7	C	2
RISCO (Gardtec)	4k7	6k8	C	3
Guardall	4k1	4k1	B	2 & 4
DSC	5k6	5k6	D	3 & 4
Europlex	2k2	2k2	B & C	5
Inner Range	2k2	6k8	B & C	3

Select activation mode:

Vibration only

Motion only

Vibration OR Motion

Vibration AND Motion

Default: Vibration only

If using vibration only, a pulse count can be set:

No pulse count

Pulse count 2

Pulse count 4

Pulse count 6

Default: No pulse count

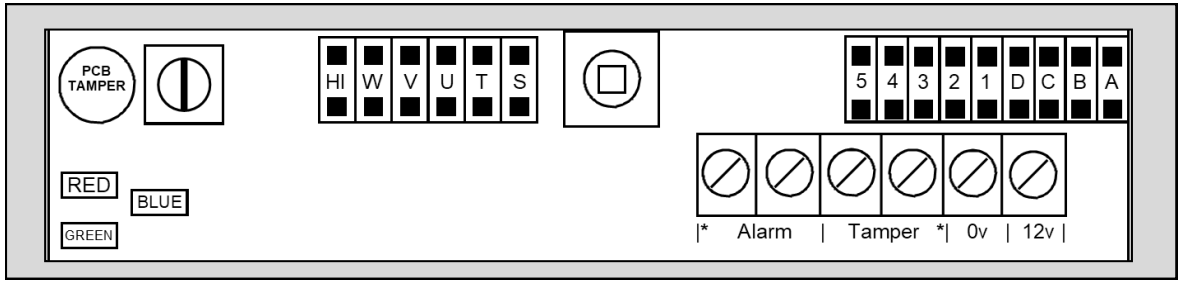
LED output:

Blue = Vibration
Green = Motion
Red = Alarm/Startup
Red Flash = Fault

LEDs disabled

LEDs enabled

Default: LEDs enabled



Heartbeat/Comfort LED:

Gently pulses the blue LED at a 10s interval when powered.

Heartbeat off

Heartbeat on

Default: Heartbeat off

- Insert PCB into base
- **Recommended:** Screw 1x dome head tamper screw through PCB tamper hole & base into surface
- Connect 12V DC power & zone wires (see overleaf for examples)

Select high or low sensitivity with Z shunt and fine-tune with potentiometer:

High sensitivity (Default)

Low sensitivity


Increase sensitivity


Decrease sensitivity

- Replace and screw down lid.

NOTES & WIRING OVERLEAF

WIRING/NOTES

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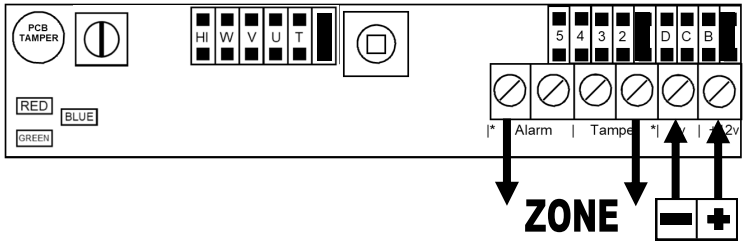
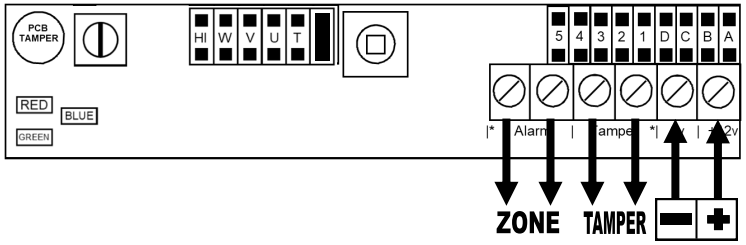
When configured, wire the unit as per one of the examples below:

Example: G2 Supervised EOL/Alarm Circuit (1k/1k)



Example: G2 "4 Wire" Unsupervised Circuit



Detection ranges for vibration will vary depending on mounting points and material—even among alike materials. Use the estimates below as a guide:

SURFACE	RADIUS
Brick Wall	2.5m
Steel	3m
Wood	3.5m
Concrete	1.5m
Plywood	4m
Glass	3.5m

Radius is specified as the distance from the centre of the product.

At a supply voltage of under ~9.5V, the red LED will begin to flash, indicating a fault condition. Further reduction of supply voltage under ~3.5V will no longer sustain the unit, causing the alarm relay to open.

LED output (S shunt) will help when fine tuning. A blue/green LED indicates that vibration/tilt has been detected, but it was not sufficiently strong to cause an alarm condition. Alarm signals are only sent when the red LED lights alongside the green/ blue