

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:

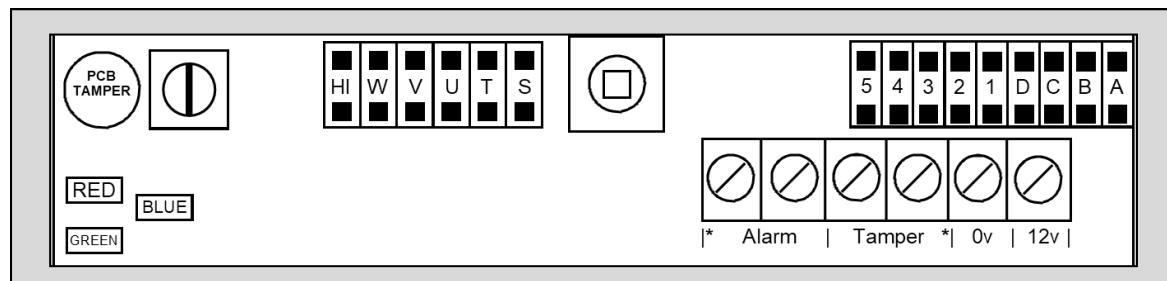
-  No pulse count
-  Pulse count 2
-  Pulse count 4
-  Pulse count 6

Default: No pulse count

- Replace and screw down lid.

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

-  High sensitivity (Default)
-  Low sensitivity
-  Increase sensitivity
-  Decrease sensitivity



- 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)

Heartbeat/Comfort LED:
Gently pulses the blue LED at a 10s interval when powered.

-  Heartbeat off
-  Heartbeat on

Default: Heartbeat off

LED output:

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

-  LEDs disabled
-  LEDs enabled

Default: LEDs enabled

**NOTES & WIRING
OVERLEAF**

WIRING/NOTES

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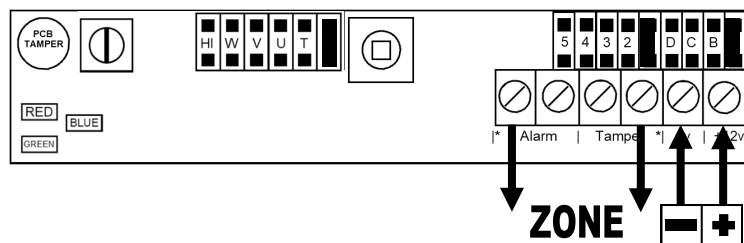
SECURITY GRADE: 2

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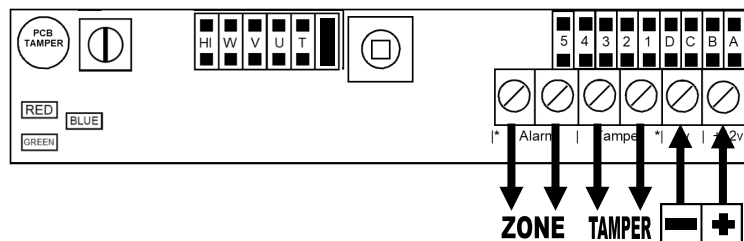
STANDARDS MET: EN50131-1 <> TS50131-2-8 <> PD6662:2017

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



NOTE

EN50131 standards disallow wiring products with on-board microcontrollers in series configuration. This product becomes non-compliant if wired in series.

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.

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

FAULT CONDITION BEHAVIOUR

At a supply voltage under ~9.5V, the red/green LEDs will flash. Further reduction of supply voltage under ~3.5V will no longer sustain the unit, causing the alarm relay to open.

At acceptable voltage, a green LED flashing in sets of 2 or more alongside the red LED is indicative of a hardware fault, necessitating unit replacement.

POWER RATING

Voltage	Quiescent Current (mA)	Max Current (mA)
Min 10v	5.5	24.3
Nom 12v	5.55	25.2
Max 15v	5.6	25.5