

# INSTALLATION

**PART CODE:** SEISMO-ADVANCE  
**DESCRIPTION:** VIBRATION AND MOTION SENSOR (ADVANCED VERSION)

**SECURITY GRADE:** 3  
**ENVIRONMENTAL CLASS:** II  
**STANDARDS MET:** EN50131-1 <> TS50131-2-8 <> PD6662:2017

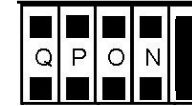
## START HERE

- 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

If using fault output, (Grade 3 necessity) fit vertical shunt to M to enable. Select resistor with an additional shunt as follows:



SHUNT	RESISTOR
N	2200Ω (2k2)
O	3000Ω (3k)
P	6800Ω (6k8)
Q	12000Ω (12k)

Select activation mode:

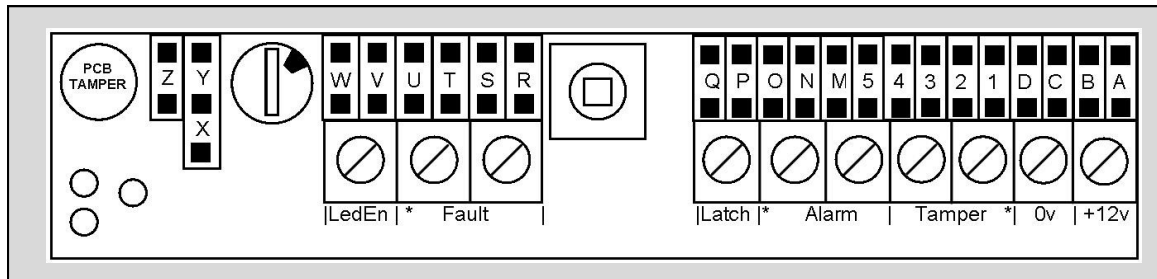
- Vibration only
- Motion only
- Vibration OR Motion
- Vibration AND Motion

*Default: Vibration only*

- 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
- **For GRADE 3:** 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*

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*

**NOTES & WIRING OVERLEAF**

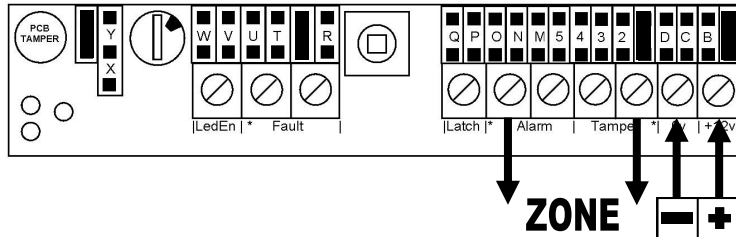
# WIRING/NOTES

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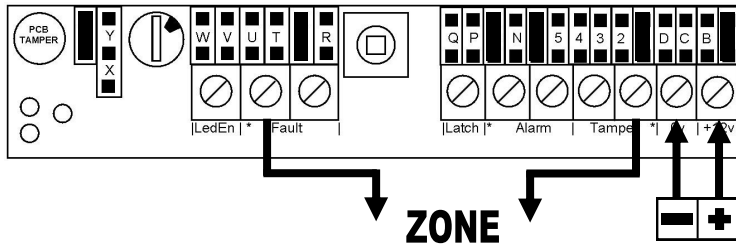
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When configured, wire the unit as per one of the examples below. **Fault output must be used for Grade 3 installations:**

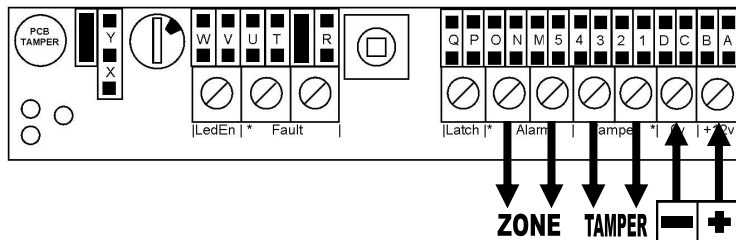
**Example: G2 Supervised EOL/Alarm Circuit (1k/1k)**



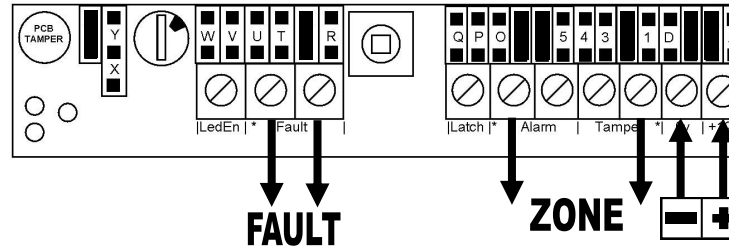
**Example: G3 'Triple EOL/TEOL' Circuit (1k/1k/3k)**



**Example: G2 "4 Wire" Unsupervised Circuit**

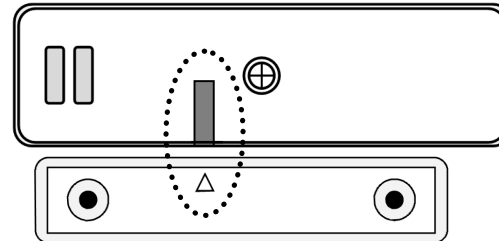


**Example: G3 Supervised EOL/Alarm +Fault Circuit (2k2/2k2/4k7)**



## CONTACT (SEISMO-ADVANCE-C) VARIANT

The SEISMO-ADVANCE-C includes an integral surface contact that must be aligned correctly to function. The magnet arrow must point to the detector green stripe - as the below image:



LED feedback is not provided for contact operation regardless of shunt setting—this is normal.

Operating gap as follows:

MAKE DISTANCE: ~10mm

BREAK DISTANCE: ~25mm

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.

For Grade 3 installations, it is **essential** that the back tamper screw is in place and that the fault output is configured & wired.

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