

# Wired Shock Sensor

Partcode: SHOCK/W

Document SAP  
102018433-02



EN 50130-4: 2011 + A1: 2014  
EN 50131-1: 2006 + A1: 2009  
Security Grade (SG) 2  
Environmental Class (EC) II

## EN

### 1. Installation

Dimensions and weight of the sensor are shown alongside the header (H) configuration.

H1 and H2 are used to select the pulse count.

H3 enables or disables device LEDs, remove to disable LEDs.

H4 is to select high or low sensitivity range, remove for low range.

H5 is used to select LED latch on activation, remove for LED latching

Please scan the QR code for installation instructions.

**Please note:** Install using the screws provided with the product.

### 2. Installation materials

The values shown in the table indicate typical values on various materials. The materials shown (reading from left to right) are concrete, wood and a fixed window frame.

**Please note:** The stated values are typical. It is advised that practical testing is performed before installation to verify the operation. In some environments, these values may differ from stated.

### 3. Pulse count

Use H1 and H2 to set the pulse count needed to trigger the device into alarm. Each time the pulse count setting is changed, the LED will flash the appropriate number of times to indicate which setting is selected. It will verify this by indicating the pulse count setting 3 times, pausing between each verification.

### 4. LED & status indications

The LED will flash on initial power-up and each time the pulse count setting is changed. Use the H3 jumper to enable or disable LEDs.

Powering up - LED will flash on and off whilst powering up.

Vibration detected - LED will rapidly flash once.

Device triggered - LED will rapidly flash once for pre alarm, then for one second or latch (if selected) when in alarm.

Gross activation - LED will flash for one second or latch (if selected).

\* If latching is not selected, the LED will extinguish at this point.

### 5. Latching feature

Remove the jumper from the H5 (or put on just one pin so that the jumper is not lost) to activate the latching feature. If this feature is activated and the sensor is triggered, the LED on the sensor will stay on in order to display that it has been activated. To reset, the power must be removed from the device.

### 6. Sensitivity

Adjust clockwise to increase sensitivity and anti-clockwise to decrease sensitivity. Use H4 to set high or low range. If the sensor detects 'gross attack' (a vibration higher than the calibrated sensitivity), it will override the pulse count and go directly into alarm.

### 7. Wiring

Examples of wiring the device to a control panel.

Please consult the control panel manual for panel terminations.

**Please note:** In order to comply to Grade 2 this sensor must be wired to its own input on the control panel.

## Specification

**Device Colour**  
White

**Casing**  
2.5mm ABS plastics

**LED Colour**  
Blue

**Detection Method**  
Piezoelectric Sensor

**Tamper Switches**  
50VDC at 50mA for both front and rear tamper switches

**Sensitivity**  
High or low ranges, adjustable

**Operating Voltage**  
9 - 15VDC

**Quiescent Current**  
~16mA at 12VDC

**Alarm Current**  
~30mA at 12VDC

**Storage Temperature**  
-20°C to +50°C

**Operating Temperature**  
-10°C to +40°C

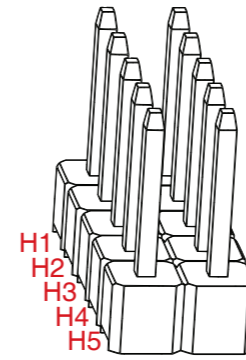
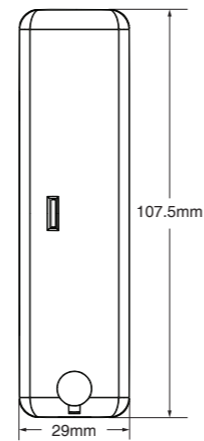
## Product Information

For electrical products sold within the European community. At the end of the electrical products life, it should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice in your country. To prevent possible damage to components, any static charge on your body needs to be eliminated before touching inside of the unit.

## Warranty

This product is solid subject to our standard warranty conditions and is warranted against defects in workmanship for a period of five years. In the interest of continuing care and design, Pyronix Ltd reserves the right to amend specifications, without giving prior notice.

1

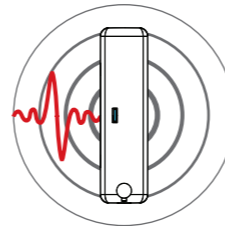


H1 - PC	3		
H2 - PC	3		
H3 - LED	4		
H4 - Range	6		
H5 - Latch	5		



<http://bit.ly/2ovH27z>

2



Material	1. Concrete	2. Wood	3. Fixed Window Frame
	1.0m	2.5m	2.5m

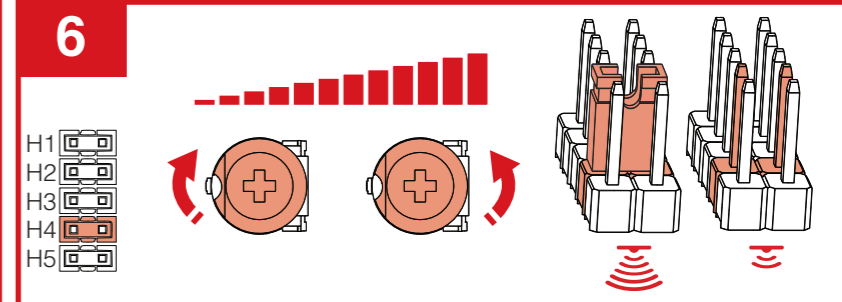
3

		Pulse Count		
H1	H2	H1	H2	Pulse
				1
				2
				4
				6

4

H1	H2	H3	H4	H5	0s	0.5s	1s	1.5s	2s	LED

6



7

