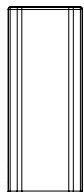


W-ACC-C

Installation Instructions



Wireless Covert Accelerometer

www.orisec.co.uk

Key Features

- Used to signal an alarm if an object is moved
- 24 Hour, Set Only and Shock Detection Modes
- 2 Way Wireless Communications
- Only 25mm Wide
- True Battery Reading
- Digital Thermometer
- Simple Enrolment
- Frequency Hopping Technology
- Always Awake
- Grade 2
- White, Brown or Anthracite
- Multi-Colour LED Indication

¹Patent Pending

1 Modes of Operation

The W-ACC-C has 3 selectable modes of operation:

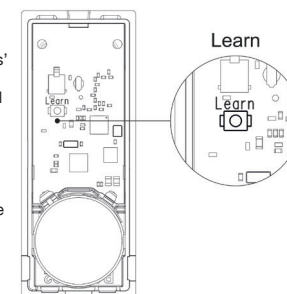
- Movement (24 hour)
- Movement (Armed only)
- Shock Detector

See section 5 for further details

2 Learning the Device to the System

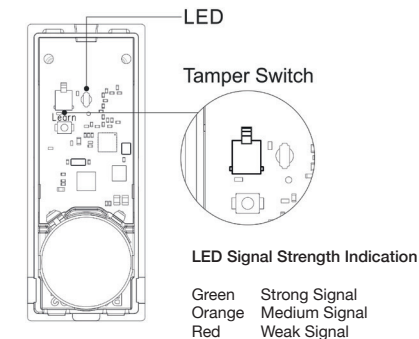
On the control panel:

- Enter Engineering Mode
- Select 'Setup Wireless Zones'
- Highlight the required zone
- Scroll down to 'ID' (Learn will be displayed on the bottom right)
- Press and hold the 'Learn' button on the device and insert the battery
- After 2-3 seconds release the 'Learn' button
- Press the 'Learn' button 1-5 times to learn in the device.

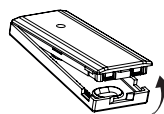


3 Local Wireless Range Test

- Enter engineering mode
- Activate tamper switch

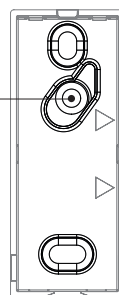


4 Mounting with screws

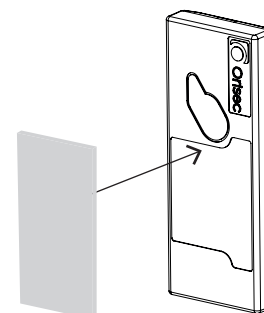


Fit screw here to activate wall tamper when removed from mounting surface.

ONLY use the screws provided. Ensure the screw head does not touch the PCB.



with adhesive pads (for non graded installation)



Deeper Back Versions



Standard Back



Deeper Back

An optional deeper back is included which may be used to improve wireless range when installed on metal frames.

5 Programming Options

The W-ACC-C can be programmed to operate in one of three modes:

Movement (24hour) - Green LED
In this mode the device will trigger an alarm when the unit has moved by a certain amount. There are three levels of adjustment, 1 being the most sensitive and 3 being the least. The 24hr mode is primarily used for monitoring non-moving items such as picture frames and ornaments.

Movement (Armed only) - Blue LED
In this mode the device will trigger an alarm when the unit has moved by a certain amount. There are three levels of adjustment, 1 being the most sensitive and 3 being the least. The Armed Only mode is primarily used for monitoring moving items such as vehicles.

Shock Detector - Red LED
In this mode the device will trigger an alarm when the unit detects a sudden impact. There are six levels of adjustment, 1 being the most sensitive and 6 being the least.

Program Mode

To enter Program Mode, hold down the “Learn” button until the status LED indicates the current mode and level. To change, press the “Learn” button until the status LED indicates the desired mode/level.

Perform an impact test to check sensitivity. Red LED indicates sensitivity is correct. Yellow LED indicates sensitivity is too high and should be reduced.

Once the desired mode/level is selected, close the tamper to exit Program Mode.

Mode	Sensitivity	Material (Radius m)	Status LED (Flashes)
Movement (24 Hour)	Most Sensitive	Level 1: Level 2: Level 3:	
	Least Sensitive		
Movement (Armed Only)	Most Sensitive	Level 1: Level 2: Level 3:	
	Least Sensitive		
Shock Detector	Most Sensitive	Concrete (0.5m)	
		Glass Window Frame (1m)	
		Wood (1m)	
	Least Sensitive	Concrete (0.5m)	
		Glass Window Frame (1m)	
		Wood (1m)	

*Default setting

Specification

Battery	CR2032 3V Lithium
Dimensions (whd) mm	25 x 63 x 7
(Covert Contact)	
Housing Material	Polycarbonate
Operating Temperature	-20°C to +55°C
Storage Temperature	-35°C to 60°C
Maximum Humidity	95% non-condensing
Product Weight	24g
Packed Weight	28g
Maintenance	Annual Installer Check
Frequency	868.65MHz and 869.15MHz
Typical Wireless Range	> 150m line of sight
Average Battery Life	> 2 years

Standards and Approvals

Security	EN 50131-2-8:2018 EN 50131-5-3:2017 Grade 2, Class II
EMC / False Alarm Immunity	
EMC Immunity:	EN 50130-4:2011 +A1:2014 EN 301 489-3 V1.6.1 80MHz to 2.7GHz +/- 8kV
Radiated Immunity:	2kV
Electrostatic Discharge:	EN 55032:2015 + A11:2020
Fast Transient Immunity:	EN 300 220-2 V2.3.2
Radiated Emissions:	
Hereby, Orisec Ltd declares that the W-ACC-C conforms to: European Union (EU) RE Directive 2014/53/EU and Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU, EMC Environment: Residential /Commercial / Light Industrial / Industrial	



CE: You can view the product EC Declaration of Conformity here:
orisec.co.uk/compliance

Regulatory

WEEE Directive: 2012/19/EU Compliant: This symbol indicates that according to local laws and regulations, this product should not be disposed of as municipal/household waste. Instead, it should be disposed of at the appropriate collection points designated for the recycling of electrical and electronic equipment, or returned to Orisec upon purchase of new replacement products. This will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

RoHS

RoHS Directive: 2011/65/EU Compliant:
Orisec declares that this product complies with and conforms to RoHS legislation that it does not contain more than the agreed levels of: Lead (Pb), Cadmium (Cd), Mercury (Hg), Hexavalent chromium (Cr6+), Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE)

Pre-Calibrated Shock Detector Sensitivity Settings

For Shock Detector mode, European Standard EN 50131-2-8:2018 requires specific sensitivity settings of 0.2J to 0.5J for different mounting surfaces, such as a framed glass window, wooden plate and concrete plate.

However it also requires that they must ignore any impacts of up to 0.14J. This is to reduce the likelihood of false alarms.

There is therefore only a narrow window between what must be detected and what must be ignored.

In order to meet these requirements, the Orisec shock detectors are pre-calibrated at specific sensitivity settings – see Program Mode table. Simply select the most appropriate mode for the installation.

These sensitivities are intended to detect a genuine forceful attack, but ignore common false alarm sources. Traditional test methods such as tapping a screwdriver around a window frame are unlikely to generate sufficient energy to trigger an alarm and will be ignored – this is a requirement of the standard not a shortcoming of the detector.

Warranty

The W-ACC-C is guaranteed against defects in material or faulty workmanship for a period of two years from the date of purchase, excluding battery.
Disclaimer: Orisec will not accept any liability based on a claim that the W-ACC-C failed to perform correctly as it is a component part of an installation and not a complete intruder alarm system.



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