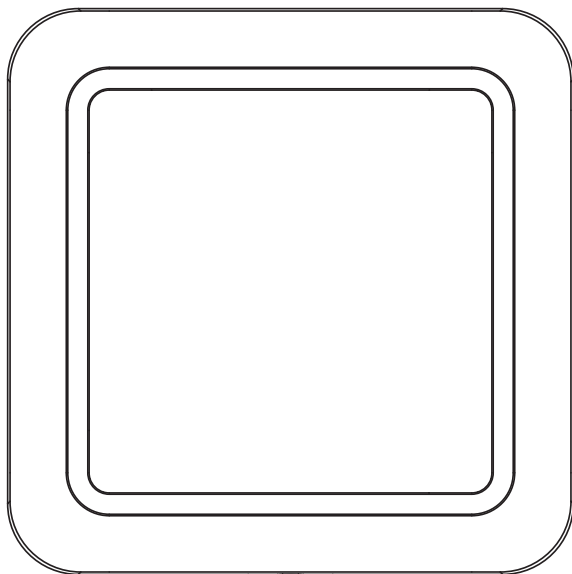




INT-CS
Internal Compact Sounder
Installation Instructions



Designed and Manufactured
in the United Kingdom

www.orisec.co.uk

Introduction

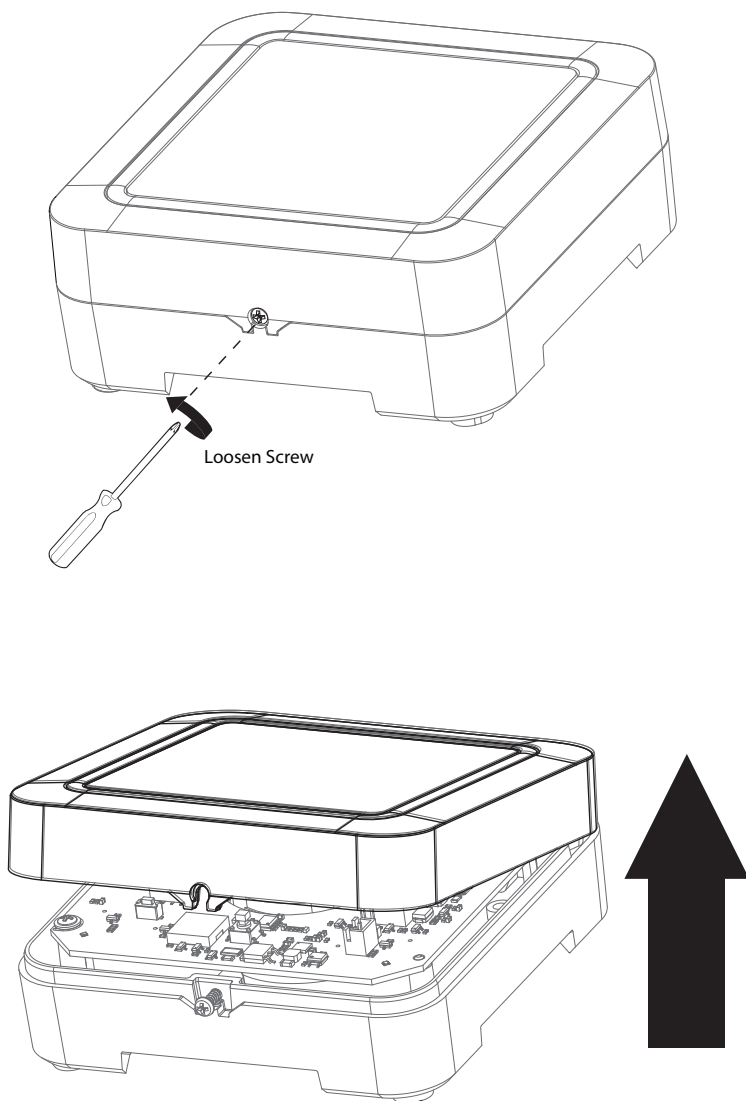
The INT-CS Internal Sounder provides 5 programmable high-level alarm sounds along with a long-life strobe. It can also provide low-level notification tones, for example entry/exit, chime, warning etc, with multi-coloured LED status indication.

Features

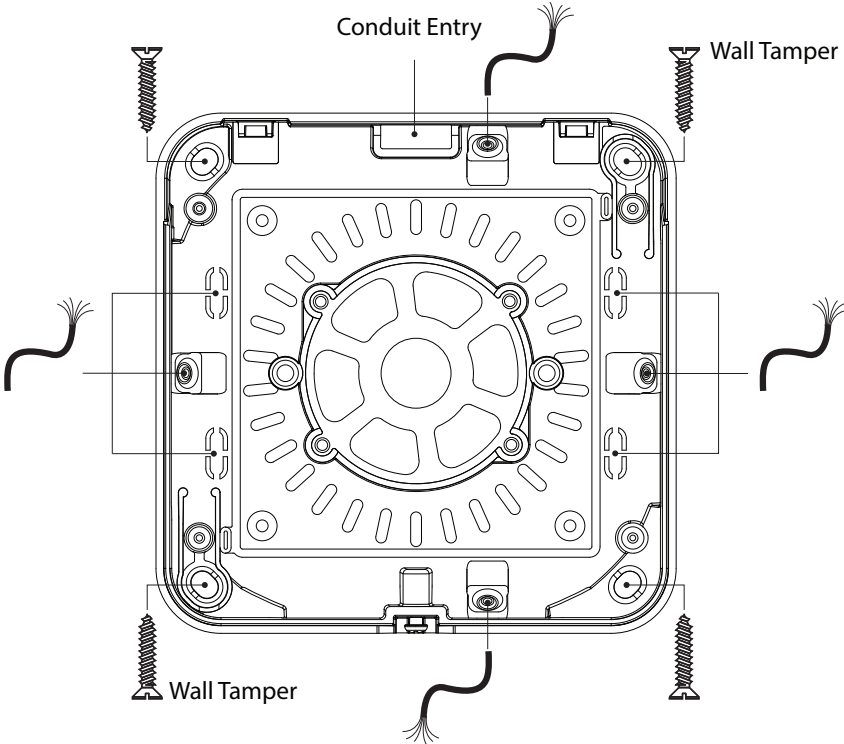
- Orisec Network Compatible
- Piezo (High-Level) for Alarm Sounds
- Piezo (Low-Level) for e.g. Entry/Exit
- Programmable Alarm Sounds
- 2 x Programmable I/O
- Lesson change / School Lockdown Notifications
- Multi-Colour LED Indicators
- Long-Life LED Strobe
- Optional Wireless Access Point
- Acts as a Wireless Repeater (with W-AP)
- Grade 3 (or Grade 2 if W-AP is used)
- Class II

1 Mounting the INT-CS

To open the internal sounder loosen the locking screw by turning anti-clockwise, then hinge the front cover up and away from the backplate.

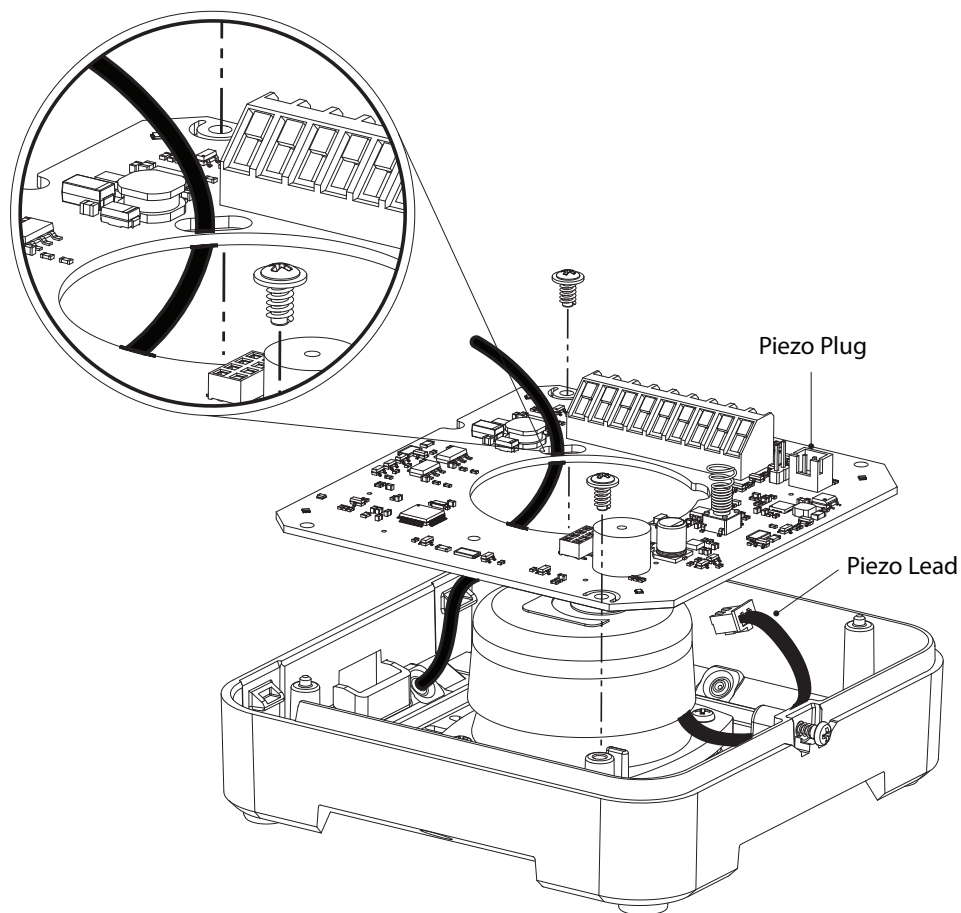


Four screw fixing holes and eight cable entry locations are provided to aid mounting.

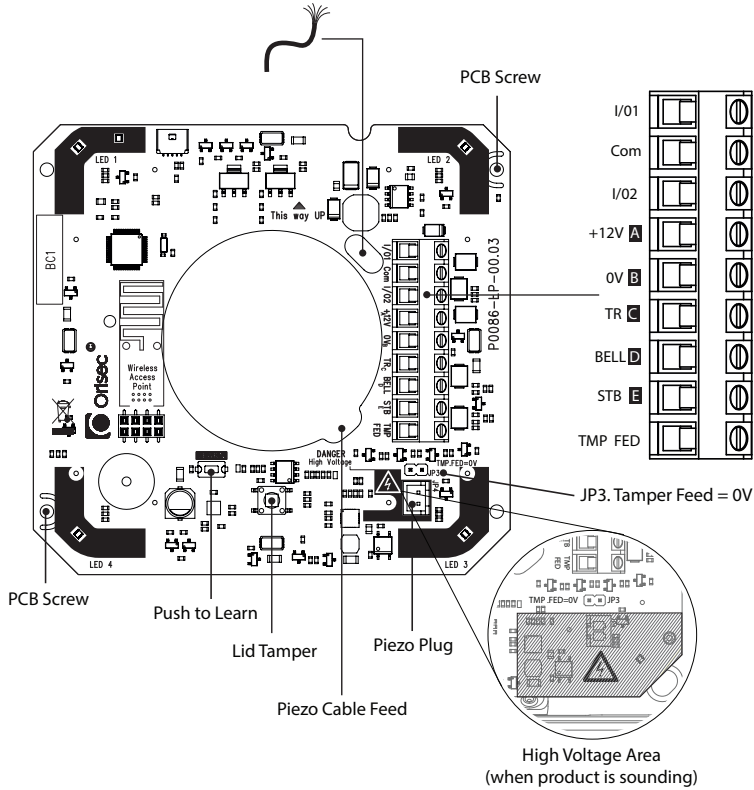


2 Bringing the Cable in

Remove the PCB by unscrewing the two screws. Bring the cable into the housing through one of the cable entry points. Then feed the cable through the slot in the PCB as shown below. Connect the lead from the piezo to the piezo plug.

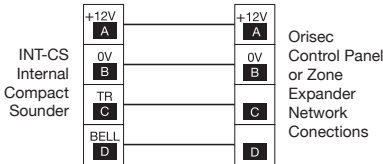


3 PCB and Connections



Network Connection

For full functionality connect the INT-CS to the Network Connections on an Orisec alarm system.



Ensure JP3 is NOT fitted.

Conventional Connection

The INT-CS can operate as a simple conventional sounder and strobe when connected to other manufacturers' control panels.

Terminal	Connect to Control Panel
I/O1	Slow Sweep and/or RED LED* (0V applied)
COM	Common/0V for I/O1 and I/O2
I/O2	'Beep-beep-beep' and/or GREEN LED* (0V applied)
12V A	+12V supply
0V B	0V supply
TR C	Tamper return
BELL D	Sounder trigger 0V applied
STB E	Strobe trigger 0V applied
TMP FED	Tamper Feed

*These sounds could be used to indicate eg I/O1 "School Lockdown" and I/O2 "Lesson Changeover".

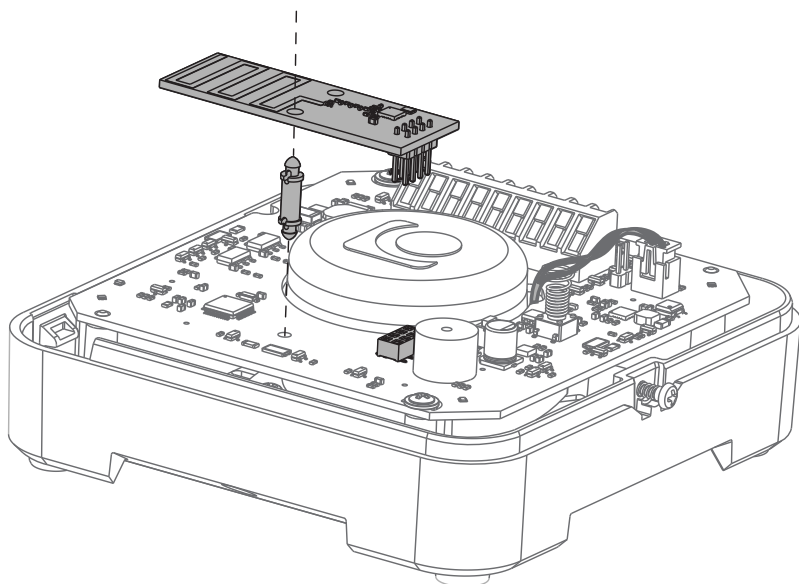
I/O1 has priority over I/O2. These notifications operate only when used in conventional stand-alone mode (ie not connected via the network or W-AP).

4 Optional W-AP

An optional wireless access point W-AP is available separately.

The W-AP can be used for:

- Wireless Activation of the INT-CS
- Wireless Repeater Functionality



NOTE: Do not add/ remove the W-AP whilst the INT-CS is powered.

5 Simple Enrolment

On the control panel:

1. Enter engineering mode
2. Select “setup wireless zones”
3. Highlight required zone
4. Scroll down to “Learn”
5. Press and hold “Learn” button on the sounder for 1 second

NOTE: The zone type should be programmed as ‘Wireless Tamper’ in the Zone Set Up menu. Please refer to the control panel installation manual for further information.

The signal strength can be shown by activating the lid tamper switch and is indicated by the colour of the LEDs:

- Green = Strong Signal
- Orange = Medium Signal
- Red = Low Signal

Programmable Speaker Tones:

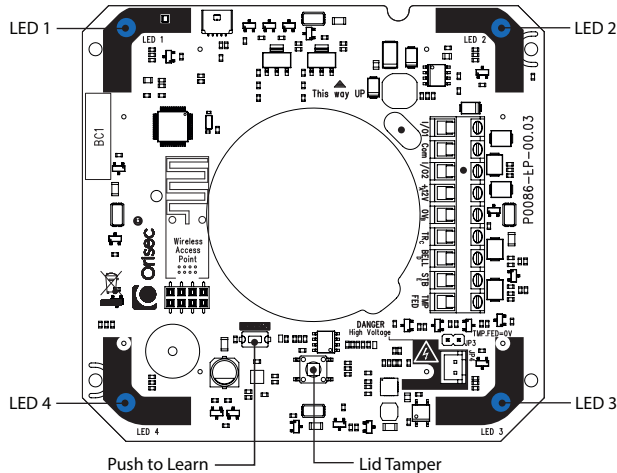
When the INT-CS is connected to the Orisec control panel via the W-AP the onboard speaker can be enabled for the following different tones in the “Setup Wireless Zones” menu:

- Alarm Tones
- Fault Tones
- Chime Tones
- Entry Tones
- Exit Tones
- Advisory Tones
- Tamper Alarms

NOTE: the OMIT key on the keypad is used to enable/ disable tones.

6 Program Options

To enter programming mode Press & HOLD the learn button until LED 1 is lit only (approx. 5s). The colour of this will now indicate the selected option (see table below). To change the option, press the tamper switch. To accept the option and move to the next menu press the learn button again. Four menus are available, indicated on LEDs 1 to 4. To exit programming menu press and HOLD the learn button again, or it will time out after 30 seconds of no activity.



LED	Menu	Options	LED
1 Network Mode	Internal Sounder Address On Network	Address 1 Address 2 Address 3 Address 4	<div></div> <div></div> <div></div> <div></div>
1 Conventional Mode	Input 1 & 2 Sounder / LED Option	Sounds & LEDs I/P 1 Sound Disabled: I/P 2 Sound Disabled: I/P 1 & 2 Sound Disabled:	<div></div> <div></div> <div></div> <div></div>
2	Sound Generated When BELL is Triggered	Sound 1 Sound 2 Sound 3 Sound 4 Sound 5	<div></div> <div></div> <div></div> <div></div> <div></div>
3	Light Ring On Time	Off On 10 sec 30 sec 60 sec	<div></div> <div></div> <div></div> <div></div> <div></div>
4	Light Ring Colour When Bell Is Triggered	Red Green Blue Pink Orange White Orisec Blue	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

Bold indicates deafult settings

Specifications

Electrical

Supply Voltage:	9 - 16 VDC (13.7 V nominal)
Current Consumption:	
Idle:	16mA
Strobe:	20mA
Siren:	180mA
Network:	4-wire standard 7/0.2 alarm cable up to 500m.
I/O Channels:	2; Each programmable as zone input or 100mA output.

Environmental

Operating Temperature:	-10°C to +55°C
Storage Temperature:	-20°C to +60°C
Max. Humidity:	95% non-condensing

Physical

Product Weight:	250g
Packed Weight:	400g
Dims: (hwd) mm	120 x 120 x 50
Material:	3mm ASA



Standards

Security

PD 6662:2017

EN 50131-1:2006+A1:2009

EN 50131-4:2009

Grade 3, Class II (or Grade 2 if W-AP is used)

EMC

Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 2014/30/EU and EN 50130-4:2011+A1:2014

EMC Environment: Residential / Commercial / Light Industrial / Industrial



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



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)

Manufacturer: Orisec Ltd, 1 St Crispin Way, Haslingden, Lancashire. BB4 4PW. United Kingdom.

Warranty

The INT-CS is guaranteed against defects in material or faulty workmanship for a period of 2 years from the date of purchase.

Disclaimer: Orisec will not accept any liability based on a claim that the INT-CS failed to perform correctly as it is a component part of an installation and not a complete intruder alarm system.

www.orisec.co.uk

UK Based Technical Support:

t: +44 (0) 1706 398740

e: support@orisec.co.uk