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Orisec INT-CS Internal Compact Sounder Instruction Manual

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Contents

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)
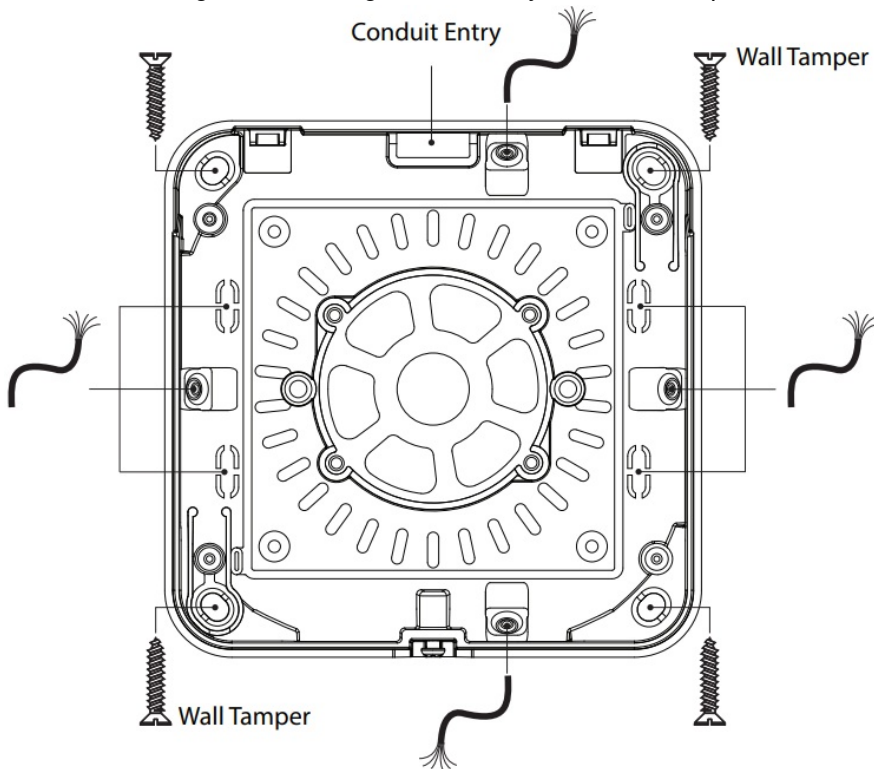- Grade 2
- Class II

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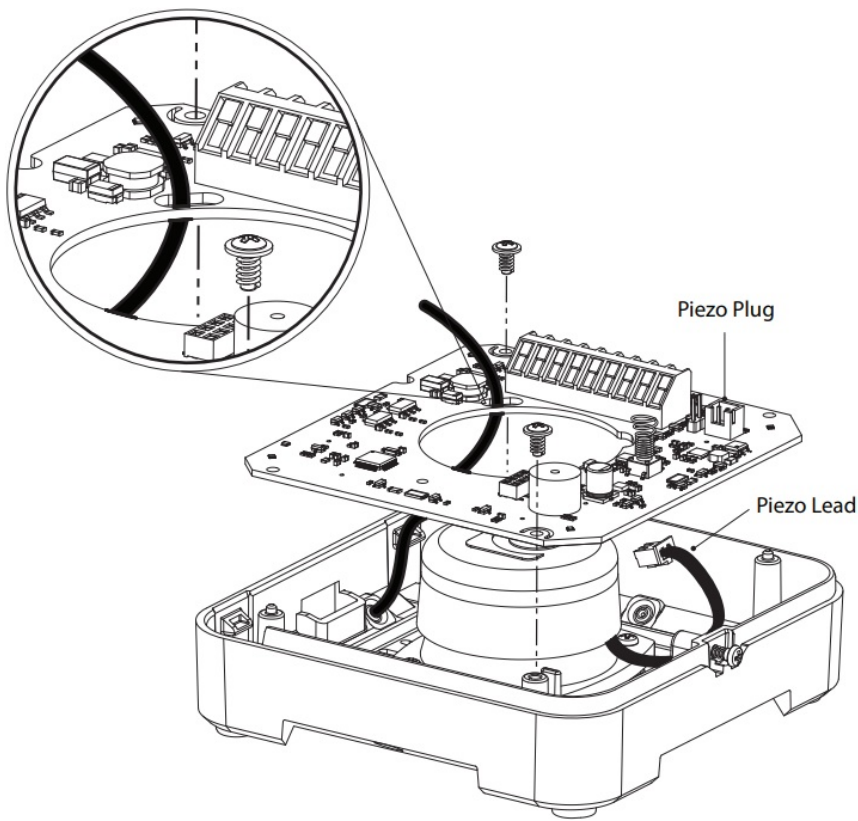
Loosen Screw
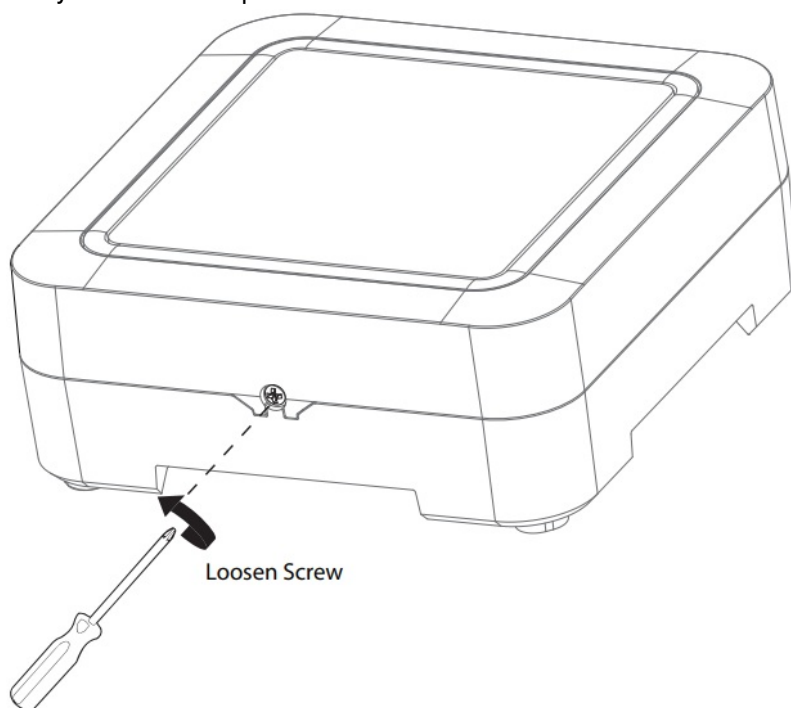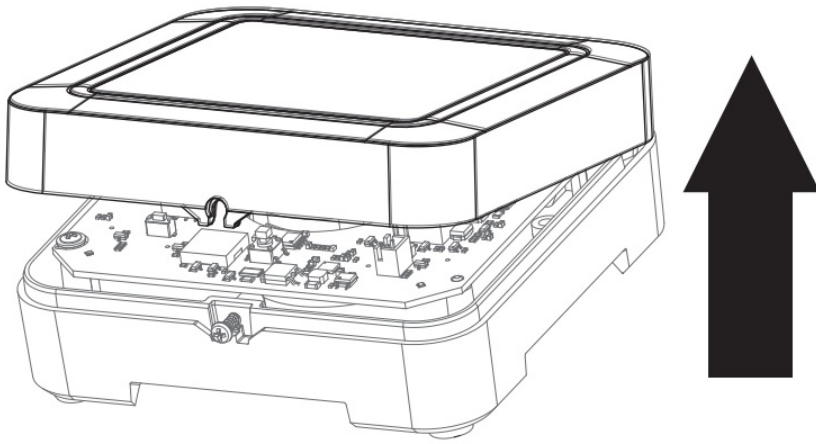
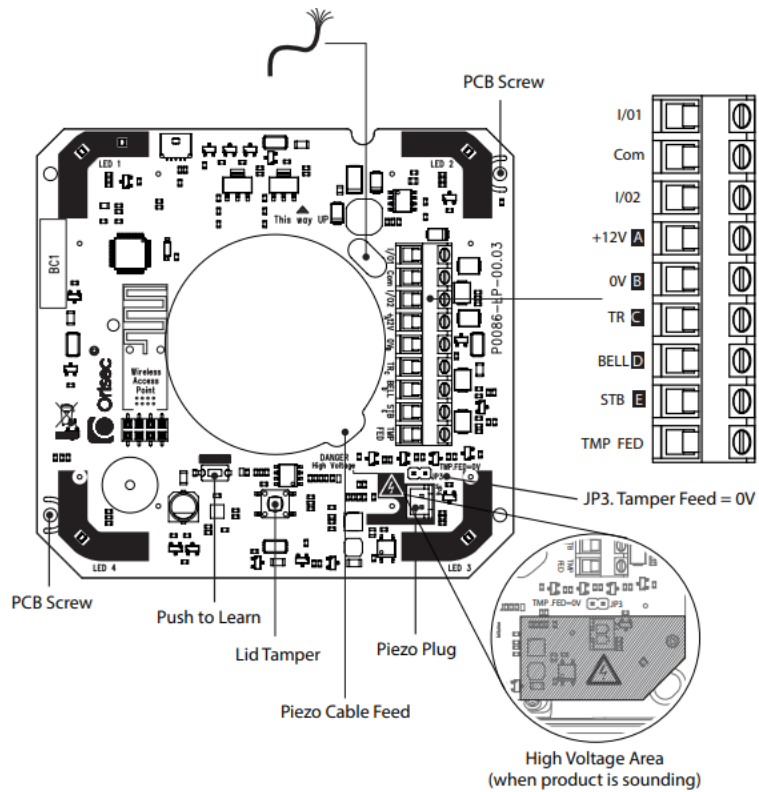Four screw fixing holes and eight cable entry locations are provided to aid mounting.

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.

PCB and Connections

I/O1	
Com	
I/O2	
+12V A	
0V B	
TR C	
BELL D	
STB E	
TMP FED	

PCB Screw

JP3. Tamper Feed = 0V

PCB Screw

Push to Learn

Lid Tamper

Piezo Plug

Piezo Cable Feed

High Voltage Area
(when product is sounding)

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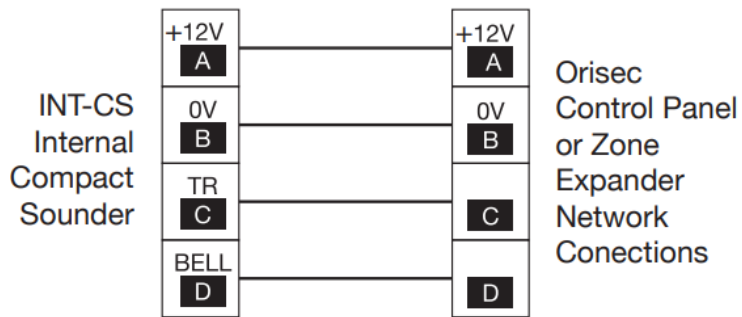
For full functionality connect the INT-CS to the Network Connections on an Orisec alarm system.

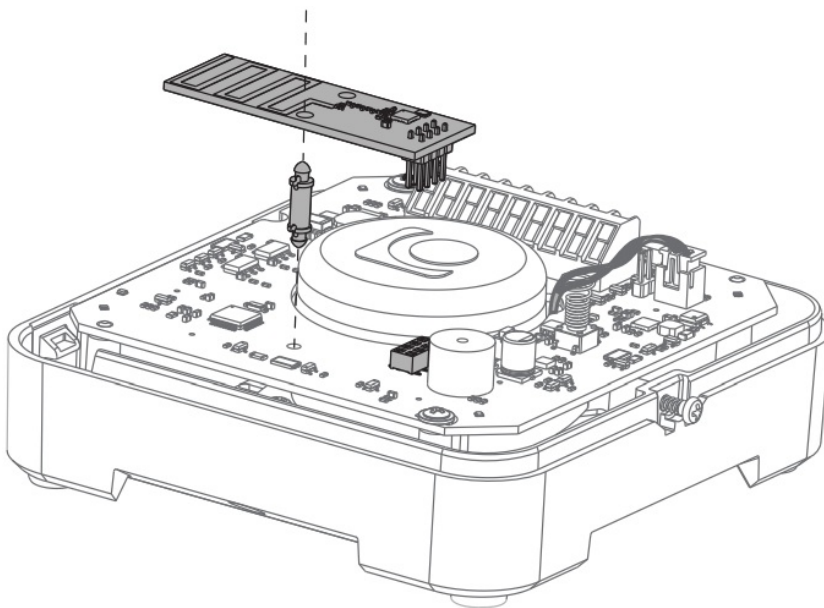**Conventional Connection**
The INT-CS can operate as a simple conventional sounder and strobe when connected to other manufacturers' control panels.

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

Simple Enrolment
On the control panel:

1. Enter engineering mode
2. Select "setup wireless zones"
3. Highlight required zone
4. Scroll down to "ID"
5. Press and hold "Learn" whilst applying power then release
6. Press and hold "Learn" button for 1-2 seconds

NOTE: The INT-CS can only be assigned to zones 1-50 on the control panel. It is highly recommended to leave an available slot each side of the INT-CS. For Tamper monitoring on the W-XP-R the zone type must be programmed as "Wireless Tamper". On the keypad: Enter engineering mode, Select "Programming menu", Select

"Zone programming", Scroll to the INT-CS zone, Select Zone Type 32 "Wireless Tamper"

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

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.
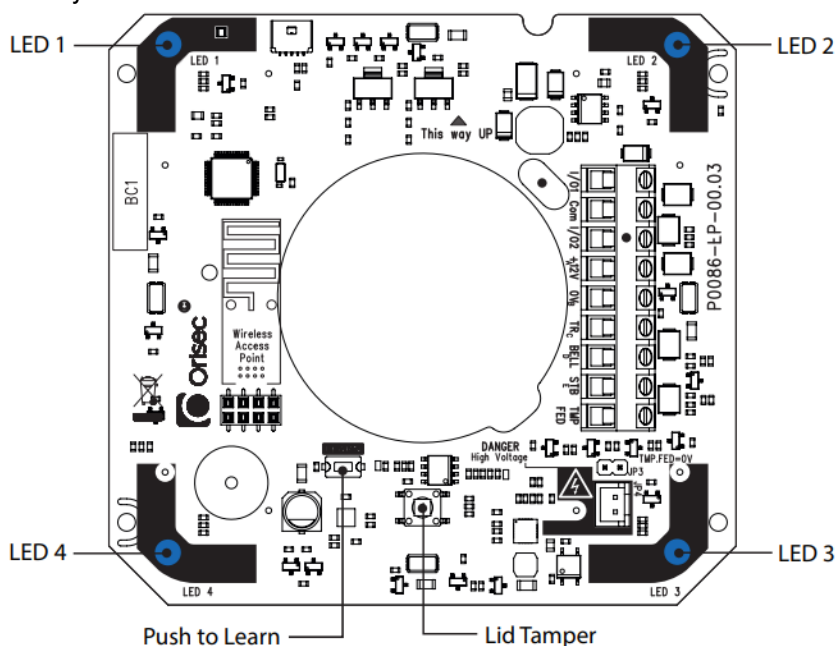
Specifications

Electrical
Supply Voltage: 9 – 16 VDC (13.7 V nominal)
Current Consumption:
Idle: 20mA at 9.0V, 28mA at 16.0V
Strobe: 20mA
Siren: 300mA at 9.0V, 190mA at 16.0V
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+A3:2020
EN 50131-4:2019 Type: Remotely Powered, Sweeping Tone
Grade 2, Class II

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

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 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)

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.

UK Based Technical Support:
t: +44 (0) 1706 398740
e: support@orisec.co.uk

Documents / Resources

Orisec INT-CS Internal Compact Sounder [pdf] Instruction Manual
INT-CS Internal Compact Sounder, INT-CS, Internal Compact Sounder, Compact Sounder, Sounder

References

- **HOME - Orisec Ltd | Professional Security Equipment**
- **Compatible Products - Orisec Ltd | Professional Security Equipment**