

**Self Powered External Sounder Installation Guide**

EN50131-4:2009  
RINS1479-4

**Installation Steps: Step 1**

Slide the PCB module upwards. The sprung back-tamper arm can be retracted to allow removal. *This must be done in order to install the revolving guides - see step 4.*

Place the base on a flat surface and ensure it is vertical using the Spirit level that is already installed. Drill and plug in each of the fixing locations. The revolving guides will correct any misalignment. If the Deltabell X must be mounted on an uneven surface, it is recommended that a tamper levelling screw is used to ensure correct back-tamper operation. See step 2. **NOTE: This product is for wall mounting only**

**Step 2**

Mounting the Deltabell X on an uneven surface may cause false triggering, through incorrect operation of the back-tamper.

A POZI number 2 screw driver is recommended for adjusting back tamper screw.

The cables to the Deltabell X should be routed away from the mains supply and telephone cables to avoid any electrical interference.

**Step 3**

Insert the guides in as shown. Make sure that the guide 'B' is aligned with the tabs to the right (this is so the PCB module slides in).

Turn each guide until they line up with the drilled holes, while referencing the spirit level for the correct alignment and fix the base firmly to the wall.

*Please note, if the Deltabell X is installed on an uneven surface, it is recommended that you don't tighten up the wall screws until after the module is installed (step 6)*

**Step 4**

Place the PCB module, ensuring that the arrow is aligned with the marker (on the left of the module).

Knock out the plate that blocks the 2nd Piezo.

**Step 5**

Route the wires through the guides as shown and then up to the 'teeth' that separates the cables

**Step 6**

Fit the lid by sliding its hinges into place. The lid can be supported in the fully open position (It is recommended that the supplied support holder is used). To close the lid, remove the support holder and apply a little force to push the lid past the holds.

Close the lid and ensure the tamper is operating correctly and insert the 25mm long screw supplied and rotate the screw cover to a close.

**Printed Circuit Board**

**Battery Connection**

To enable the battery, the 'BATT DISCONNECT' link must be placed on internal battery select pins.

**Optional Backlight**

**Partcode: FPDELTA-X-LIGHTS**

When the Deltabell X is in alarm the backlight will strobe.

The backlight can be enabled and disabled as shown below

**Bell/Strobe Polarity**

The default polarity input triggers are negative applied. To change the polarity please see below:

Default	-Applied	-Removed	+Removed	+Applied

**Deltabell X: Once the strobe is activated, the backlight LEDs will strobe until the activation has stopped.**

**LED Enable/Disable and SAB/SCB Mode**

There is the option to enable/disable the comfort LEDs by enabling/disabling the 'LED DISABLE' link:

**SAB Mode**  
Uses power from the control panel 12V output

**SCB Mode**  
Uses power from backup battery

**External Engineer Hold Off**

The Deltabell X has an external engineer hold off function. When first powered with the tamper switch open, the sounder will not activate. To enable the sounder for specified operation, the tamper switch must be closed

The Engineer Hold Off terminal is used to disable the cover tamper switch when a control panel is in Engineer Mode. Applying 0V to the 'ENG HOLD' terminal over-rides the tamper circuit allowing access to the Deltabell X without sounding the alarm.

**Self Activating Engineer Hold Off**

The Deltabell X also has a self activating engineer hold off function. If the sounder is only powered by the battery (before any auxiliary inputs are connected), the siren will not activate until the auxiliary inputs are connected.

The comfort LEDs on the Deltabell X will flash alternatively three times which confirms to the engineer that the tampers are closed correctly.

Once the auxiliary inputs are connected the Deltabell X will be fully operable.

**Compliance**

For electrical products sold within the European Community. At the end of the electrical products useful 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.

**Deltabell to Control Panel Connection**

**Technical Specification**

Supply voltage: 9-16V  
Quiescent current: 90mA  
Alarm current: 300mA  
Strobe duration & frequency: 10mS, 1Hz  
Sound pressure level: 106dBA  
Acoustic output: Tone  
Maximum sound duration: 15 mins  
Battery type: NiMH 7.2V, 250mAh  
Dimensions: 290 x 285 x 50mm

Remotely powered.  
Upon loss of remote power, the sounder will operate.  
Reverse polarity protected.  
For wall mounting only

**Connections to other control panels**

Deltabell X	+	-	BELL	STB	TAMPER
Sterling 10	Bell+	Bell-	Bell NO	STB NO	BT
Matrix	Aux+	Aux-	PGM1(No)	PGM2(No)	BT
PCK/Euro 1	Aux+/B+	Aux-/B-	PGM1/BELL	PGM2/STB	TR
ADE	D	A	B	STROBE	T
Scantronic	12V	0V	BELL	STROBE	TR
Texcom	A	D	B	S	C
Menvier	Bell +12V	HOLD OFF	BELL TRIG	STB	TAMP RTN
GE	BELL +12V	BHO	EXT BELL-	STROBE	270R TR
Risco/Gardtec	BELL+	SCBA	BELL-	-STB	SCBP
DSC Range	BELL+	AUX-	BELL-	PSM1	ZONE
HRC	EXT BELL-	SAB HOLD	EXT BELL-	PGM Output 4	TAMPER RTN

Negative Tamper Return: Link between TAMPER and -  
Positive Tamper Return: Link between TAMPER and +

**Warranty and Compliance**

This product is sold subject to our standard warranty against defects in workmanship for a period of two years but has a life expectancy of three years. Please note: In positions where the Deltabell X casing is subjected to high levels of U.V. sunlight, there may be risk of case colour fading, this is not covered by the warranty. In the interest of continuing improvement of quality, customer care and design, Pyronix Ltd reserve the right to amend specifications without giving prior notice.

When disposing of the product, the batteries must be removed and disposed of separately in accordance with the local regulations

**Suitable for use in systems installed to PD6662:2010 at Security Grade 2, Environmental Class IV.**

**Contact Information**

Technical Support Line:  
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