



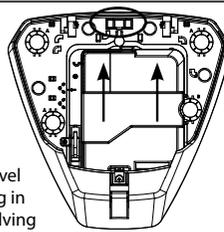
**Pyronix**  
**DELABELL E**  
**DELABELL PLUS**

EN50131-4:2009 **External Sounder Installation Guide**

**CE** **RINS1270-10**

**1) Installation Steps: Step 1**

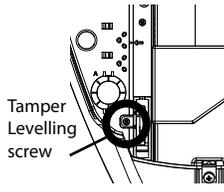
Slide the PCB module upwards. The sprung back-tamper arm can be retracted to allow removal. *This must be done in order to install the revolving guides - see step 4.*



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 E/Plus 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.

**Step 2**

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

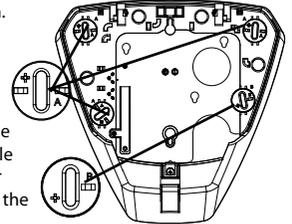


A POZI number 2 screw driver is recommended for adjusting back tamper screw

The cables to the Deltabell E/Plus 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 guides 'B' is aligned with the tabs to the right (this is so the PCB module slides in)

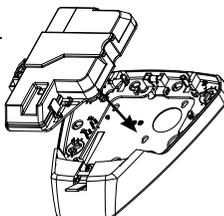


Turn each guide until they line up with the drilled holes, while referencing the spirit level for the correct alignment and fix the base firmly to the wall.

*Please note, if the Deltabell E/Plus 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)*

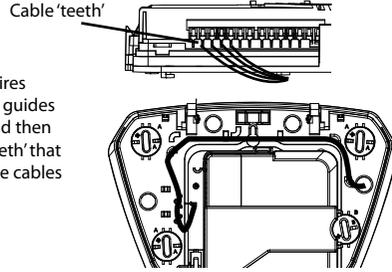
**Step 4**

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



Expose the terminals by releasing the latch on the top of the PCB module.

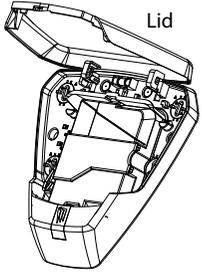
**Step 5**



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, to close the lid, apply a little force to push the lid past the holds.



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

**2) Bell/Strobe Polarity**

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

	-Applied	-Removed	+Removed	+Applied
Default	POS	POS	POS	POS
	NEG	NEG	NEG	NEG
APPLIED	APPLIED	APPLIED	APPLIED	APPLIED
	REMOVED	REMOVED	REMOVED	REMOVED

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

**Deltabell E:** Once the strobe is activated, the LEDs at the bottom of the PCB will strobe until the activation has stopped.

**3) Backlight**

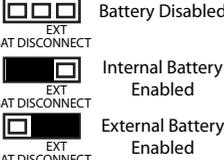
The Deltabell Plus now incorporates an LDR feature where the backlight is only enabled at night time.

The backlight can be disabled as shown below



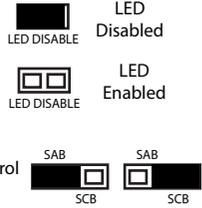
**4) Battery Connection**

The battery will already be connected, to enable, the 'BATT DISCONNECT' link must be placed. An external battery may also be connected and the 'BAT+' terminal space may be used for this.



**5) 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 (Useful for when there are 2 x Deltabells on the same system)

**6) External Engineer Hold Off**

The Deltabell E/Plus 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 E/Plus without sounding the alarm.

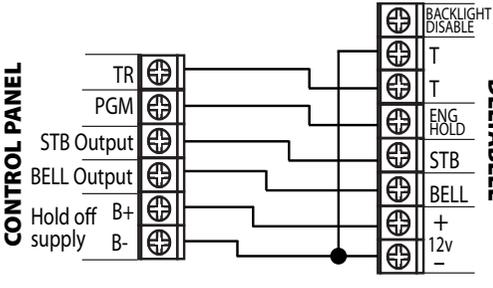
**7) Self Activating Engineer Hold Off**

The Deltabell E/Plus 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 E/Plus will flash alternatively three times which confirms to the engineer that the tampers are closed correctly.

Once the auxiliary inputs are connected the Deltabell E/Plus will be fully operable.

**8) Deltabell to Control Panel Connection**



**9) Technical Specification**

Supply Voltage	9-16VDC
Quiescent Current	Deltabell E = <30mA, Deltabell Plus = <60mA
Alarm Current	Deltabell E = <250mA, Deltabell Plus = <300mA
Strobe Duration	10mS
Strobe Frequency	1Hz
Sound Pressure Level	104dBA
Dimensions	290 x 285 x 50mm
Reverse Polarity Protected	

**10) Warranty and Compliance**

This product is sold subject to our standard warranty against defects in workmanship for a period of two years. Please note: In positions where the Deltabell E/Plus 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.

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.



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 4.**

**11) Connections to other control panels**

Deltabell E/Plus	+	-	BELL	STB	TAMPER
Sterling 10	Bell+	Bell-	Bell NO	STB NO	BT Bell-
Matrix	Aux+	Aux-	PGM1(No)	PGM2(No)	BT B-
PCX/Euro 1	Aux+/B+	Aux-/B-	PGM1/BELL	PGM2/STB	TR Aux-/B-
ADE	D	A	B	STROBE-	T A
Scantronic	12V	0V	BELL	STROBE-	TR 0V
Texcom	A	D	B	S	C D
Menvier	Bell +12V	HOLD OFF	BELL TRIG	STB	TAMP RTN HOLD OFF
GE	BELL +12V	BHO	EXT BELL-	STROBE-	270R TR HO
Risco/Gardtec	BELL+	SCBA	BELL	-STB	SCBP SCBA
DSC Range	BELL+	AUX-	BELL-	PSM1	ZONE
HKC	EXT BELL+	SAB HOLD	EXT BELL-	PGM Output 4	TAMPER RTN SAB HOLD (with 4k7)

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

**12) Contact Information**

Technical Support Line: 0845 6434 999 (local rate) or call +44(0) 1709 535225

Hours: 8:00am - 6:30pm, Monday to Friday

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