SPK Inputs

The SPK connection should be wired into a speaker signal terminal, or an RKP sounder terminal (Both situated on the panel).
If no speaker terminal exists, an output may still be obtained from the RKP, where the RKP has a sounder facility.
If the speaker function is not to be used then SPK should be wired to 0V.
The speaker volume level may be set locally, independent of the panel volume, by adjusting the speaker volume control.

BA Inputs

If the bell output of the panel is connected to the BA input the sounder will activate whenever the panel is in alarm condition. The sounder will overide the speaker output and volume setting giving a 100dBA output.
Sounder triggering is dependant on the type of panel used. Once the panels trigger output is established, use the table below to set the Twin Alert.

INPUTS	Stand-by	Alarm	Jumper 1 (J1)	Jumper 2 (J2)
-VE Applied	Float	0V	ON	ON
+VE Applied	Float	12V	OFF	OFF
-VE Removed	0V	Float	ON	OFF
+VE Removed	12V	Float	OFF	ON
-VE to +VE	0V	12V	OFF or ON	OFF
+VE to -VE	12V	0V	OFF or ON	ON

Specifications

Supply Voltage	:	9-14.5V (13.5V nominal)
Quiescent Current	:	30mA
Alarm Current	:	160mA
Tamper Switch	:	Case Tamper
Sounder	:	Piezo Electric Element.
Sounder Output	:	100dBA @ 1m.
Dimensions	:	90 x 90 x 46mm
Casing	:	3mm ABS
Colour	:	White
Weight	:	100g
Operating Temp.	:	-10 to 40°C
Storage Temp.	:	-20 to 60°C

Troubleshooting

Problem	Solution
Speaker Feedback	Check Wiring. Fit the 2k2$^\Omega$ resistor across the terminals SPK and 12V+.(as shown below)

T   T   BA   SPK   - 12V +

2k2

Connected to the Control Panel

Warranty

PYRONIX®

TWIN ALERT™

This product is approved for use in the Residential, Commercial and Light Industrial Environment.

CE

EN50131-4:2009
EN50131-1:2006+A1:2009
PD6662:2010
Security Grade 2
Environmental Class 2

This product is suitable for use in systems designed to comply with PD6662:2010 at Security Grade 2 and Environmental Class 2.
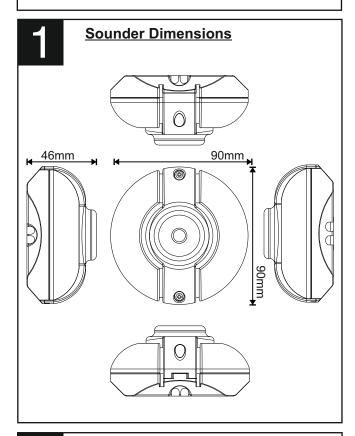
Rins232-8

Introduction

The Pyronix Twin Alert has been designed for operation in all indoor environments.

The Twin Alert provides a remote speaker function with locally adjustable volume. This is in addition to a 100dB(A) siren that overrides the speaker function during an alarm condition.
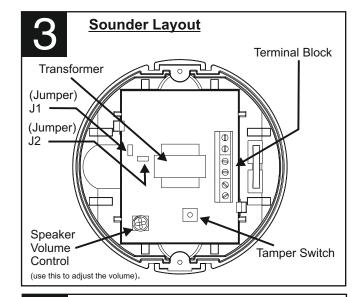
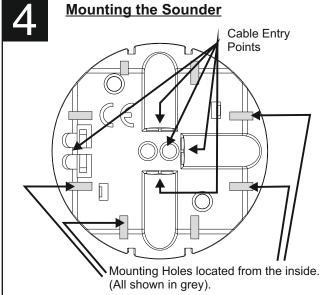The alarm trigger can be pre-set to accept all common trigger modes.

1 Sounder Dimensions

46mm   90mm

90mm

2 Installation

The Twin Alert may be wall or ceiling mounted.

Mulitiple units may be attached in parallel to one panel

3 Sounder Layout

Terminal Block

Transformer

(Jumper) J1

(Jumper) J2

Speaker Volume Control
(use this to adjust the volume).

Tamper Switch

4 Mounting the Sounder

Cable Entry Points

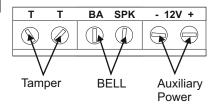Mounting Holes located from the inside. (All shown in grey).

Remove the front cover.

Choose the knockouts which most suit your mounting (As shown in above). Push out the knockouts and cable entry point, then using a pen/pencil mark the ceiling or Wall with the exact positions of the mounting holes and cable entry point.
Mount the unit using the hardware supplied.

5 Connections

T   T   BA   SPK   - 12V +

Tamper   BELL   Auxiliary Power

The information below is a cross reference of how the Sounder is connected to various panels.

Manufacturer	12V+	12V-	SPK	BA
PYRONIX	AUX+	AUX-	SPK+	BA
Ademco	+12V	-12V	-12V	BELL-
DSC	AUX+	AUX-	AUX-	BELL-
DA	+12V	0V	B	BT
ADE	+13V	0V	LS+	B-
Scantronic	+12V	0V	SPKR (low)	BELL
Menvier	AUX +12V	AUX 0V	D	TRG-
Texecom	A	D	L/S-	B

The tamper should be connected in series with the system tamper loop.

In general 12V+, 12V- and BA should be wired in parallel with the external bellbox.