

0845 6434 999 (UK). +44(0)1709 535 225

Deltabell/Invincibell	Wiring Resistor Summary	Wiring Resistor Summary		
Addendum	nix <u>Control Panel</u>	Siren Trigger Resistor	Fault Resistors	Control Panel
www.pyro	ARITECH CD9503/CD15003	4K7	4K7 (T to 0V)	HONEYWELL
EN50131-4:2009	ATS 2000, 3000, 4000	4K7	n/a	MENVIER
Security Grade 3	ATS 2003, 3003, 4003	1K/1K	n/a	PYRONIX (PRE VERSION 9)
Environmental Class IV	EURO 46 (PRE VERSION 9)	470Ω	4K7/2K2	RISCO (GARDTEC)
Information	EURO 76,162,280 (PRE VERSION 9)	10K	4K7/2K2	SCANTRONIC 9600
If the control panel that the Deltabell/Invincibell is being connected shown overleaf, please follow the below instructions on how to find	o isn't COOPER	4K7	4K7/2K2	SCANTRONIC 9651
siren trigger monitoring resistor value.	GUARDALL PX48i	4K7	n/a	TEXECOM

<u>STEP 7</u>.

13.0V

## DELTABELL/INVINCIBELL SIREN TRIGGER MONITORING INSTALLATION GUIDE

• MINIMUM SIREN TRIGGER MONITORING VOLTAGE = 1.6 VOLTS

• MAXIMUM SIREN TRIGGER MONITORING VOLTAGE = 3 VOLTS

- Step 3:
  - At the control panel measure the DC voltage between the 0 Volt Siren Hold off connection, and

the Siren Trigger output connection. If the measured DC voltage is 12 Volts or above, then fit a

connection. Now move to STEP 4. If the measured DC voltage is 0 Volts then move straight to

CONTROL PANEL

SIREN TRIGGER OUTPUT

OV HOLD OFF NEGATIVE

1K resistor between the 0 Volt Siren Hold off connection and the Siren Trigger output

CONTROL PANEL

• ( OV HOLD OFF NEGATIVE

SIREN TRIGGER OUTPUT

- be fully operational.

## Step 1:

• Wire the Deltabell/Invincibell as shown in the Deltabell/Invincibell installation instructions, but leave the Siren Trigger wire disconnected.



## Step 2:

 When the Deltabell/Invincibell is powered up make sure that the Deltabell/Invincibell Tamper Switch is in its open state. This will ensure that the Siren Trigger Monitor is disabled until the Deltabell/Invincibell Tamper Switch is closed. This open tamper state on initial power up will prevent the Siren from making any noise, and it will ensure an easier installation.



 At the control panel measure the DC voltage across the 1K resistor which has been inserted between the 0 Volt Siren Hold off connection and the Siren Trigger output connection . The measured DC voltage reading will be close to the readings shown in the table below.

APPROXIMATE MEASURED VOLTAGE	REQUIRED MONITORING RESISTOR	
6.8 Volts	470 ohms	
4.5 Volts	1K	
4.2 Volts	1K	
3.4 Volts	No resistor required	
3.1 Volts	No resistor required	
2.3 Volts	No resistor required	
0 Volts	See STEP 7	

Step 5:

Step 4:

• At the control panel remove the 1k resistor from the 0 Volt Siren Hold off connection and the Siren Trigger output connection. Replace the 1k resistor with the chosen value of resistor from the table above. Insert and screw down the Siren Trigger wire into the control panel Siren output connection. Make a final measurement of the DC Voltage at the Deltabell/Invincibell between the 0 Volt Siren Hold off connection and the Siren Trigger output, the Siren Trigger Monitor voltage will read between 1.6 Volts and 3.0 Volts DC.



Step 6:

## Step 7:

Siren Trigger output connection.



assistance:

Telephone: +44(0)845 6434 999 (local rate) or +44(0)1709 535225

Opening Hours: 8:00am - 6.30pm, Monday to Friday

Siren Trigger Resistor	Fault Resistors
n/a	1K/1K
470Ω	n/a
10K	4K7/4K7
4K7	6K8/4K7
4K7	n/a
1K	n/a
470Ω	4K7/2K2

Close the Deltabell/Invincibell case lid and Tamper Switch and the Siren Trigger Monitoring will



• If 0 Volts is measured when following instruction number 3, then ONLY fit a 4k7 resistor between the control panel +12 Volt Siren Hold off connection and the Siren Trigger output connection. The Siren Trigger wire can now be inserted and screwed down in the control panel



Most Panels fit within the table above if you have any doubts please contact technical support for

3