KINETIC
PRODUCTS
LIMITED

Kinetic Products Limited.
Unit B1, Brookside Business Park,
Greengate, Middleton,
Manchester. M24 1GS.

www.kinetic-security.co.uk

Tel: 0161 654 9595 Fax: 0161 654 9596

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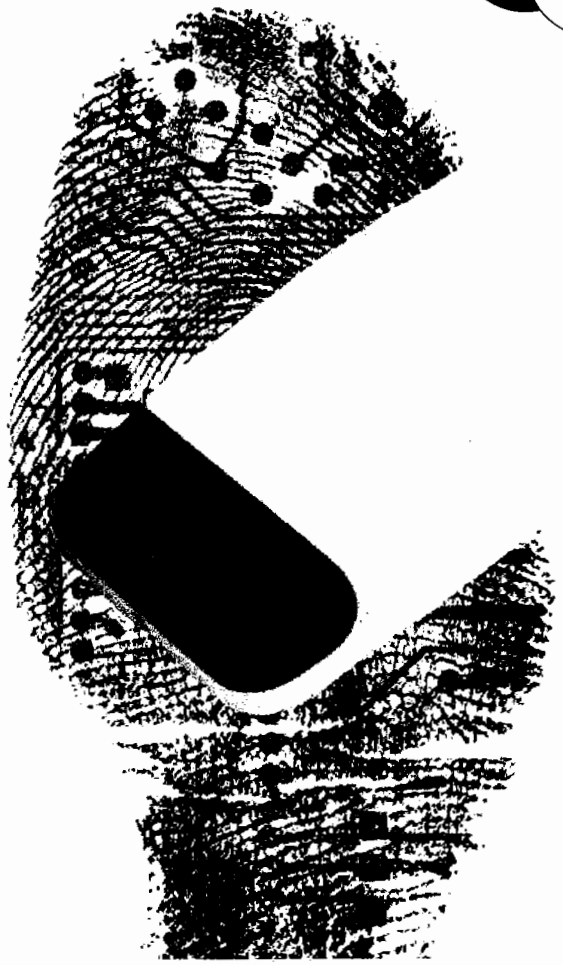


CE

AZ-TECH

EXTERNAL SOUND UNITS

CONTENTS

INSTALLATION GUIDE

EXTERNAL SOUND UNIT - INTRODUCTION

Your Aztech Sound unit has certain selectable features, it is recommended that you familiarise yourself with these and their operation prior to commencing installation.

Battery ON / OFF:

Your Sound unit has its own on-board Nicad battery. This enables it to operate independently of the main control panel should disconnection occur (ie. during an attempt to disable the unit).

When the battery jumper is in the **OFF** position the battery is isolated, the Sound Unit will not operate unless it is connected to the Control Panel and a 'hold-off' voltage is present.

When the battery jumper is in the **ON** position the battery is connected to the circuit allowing SAB / SCB operation and trickle charge of the battery when a 'hold off' voltage is applied.

SAB / SCB:

SAB: (Self activating Bell unit). The standard sounder operating mode providing maximum sounder volume. Upon sounder activation, current is drawn from the control panel, unless 'hold off' voltage is removed (ie. upon power disconnection from the control panel during an attempt to disable the unit).

SCB: (Self contained Bell unit). In this mode, upon sounder activation current is drawn only from the on-board Nicad rechargeable battery, not from the Control Panel. This is ideal when using secondary sounders so that you do not overload the Control panel or power supply current load capacity. Sounder volume is reduced in this mode.

Timer Select: 15 Min / 9 Min / 5 SEC

The sounder cut-off time is selectable . 15 or 9 minutes 'cut-off' and 5 second test mode are provided. The test mode is utilised upon initial set up in order to minimise sounder operating time, thus enabling the engineer to work on the unit with minimal noise.

MOUNTING YOUR AZTECH SOUND UNIT:

Consider the following criteria when mounting the unit:-

- Mount high enough to deter potential tampering and to afford some shelter. (preferably under the eaves).
- Mount in a prominent location so as to maximise the deterrent effect.
- Ensure that you have adequate cable access to your chosen location.
- Try to select a flat even mounting surface to ensure the rear microswitch tamper mechanism locates correctly against the wall surface.

  (**Note:** Where mounting surfaces are uneven you may need to bend the microswitch blade to effect a good solid contact against the wall surface thus ensuring reliable operation of the front / rear tamper mechanism).
- There are five screw mounting holes on the units backplate to assist in secure fixing where the mounting surface may be uneven.

N.B When mounting the unit upon a brick wall, BS4737 specifies that a minimum of 3 x No.10 size steel screws be used. They must penetrate the brick itself by at least 40mm using appropriate wall plugs.

Drill all holes required for mounting the unit using the positioning template provided on the rear of the cardboard outer box, and insert wall plugs.

Affix the Sound unit backplate to the exterior wall ensuring that your connecting cable has been inserted through the appropriate cable entry hole.

INSTALLING YOUR AZTECH SOUND UNIT:

Connecting the Sound unit to the Alarm Control Panel:

Utilising the terminal connectors to the left side of your Sounder's electronic circuit, wire in as follows:-

TAMPER RETURN :	Negative tamper return
BELL TRIGGER :	Negative applied output to activate the sounder
SUPPLY (12V+) :	Permanent positive supply
SUPPLY(OV-) :	Permanent negative supply
STROBE (-) :	Negative applied output to activate strobe

NB.It is recommended to wire into the Sound Unit first and the Control Panel second)

Your Aztech Sound Unit is compatible with most Intruder Alarm Control Panels. Please see the table at the rear of this booklet that illustrates connection to all of the most popular control panels available.

SET-UP AND OPERATION

Set-up selectable options:

1. Select **SAB** or **SCB** mode as required using the appropriate jumper.
2. Check that the **'Timer'** jumper is set to **5 second Test.**
3. Place the **Battery** jumper into the **ON** position.
4. The sounder will now operate for 5 seconds, and then stop. The twin LED's will start to flash simultaneously at five second intervals and continue thereafter.

   (Please note that a low volume or irregular sounder noise during this test may merely indicate that your onboard Nicad battery needs charging. Once connected to your control panel the battery will automatically begin to charge and the sounder attain full dB output).
5. Move the **Timer** jumper to the 9 or 15 minutes sounder cut-off position as required. The sounder will remain silent.
6. Place the Bell box front cover over the backplate and locate into position. You should hear the click of the microswitch depressing as the cover locates. Secure with the fixing screw provided.
7. The Sound Unit is now in 'muted' alarm condition and should remain silent until connection to the Control Panel is completed. The twin LED's will continue to flash simultaneously indicating that muted alarm status mode is applied.
8. Complete all connections to your Control Panel utilising the panels own installation guide or our wiring guide at the rear of this manual.
9. Once power is applied to the Control Panel the External Sounder's Twin LED's should commence flashing alternately indicating that set-up and wiring are complete.The unit is now in stand-by mode and a 'hold-off' voltage is present.
10. From the Control Panel perform Sounder and Strobe tests. Most Control Panels have test operation modes detailed within their instruction manuals.

    Your Unit is now installed and ready to operate.

Indications of Alarm status

The on-board Twin LED's indicate the current status of the Bell Unit and the nature of any Alarm trigger that has occured.

1. Alternate flashing LED's - Indicate that the Bell Unit is in stand-by mode ready to operate.

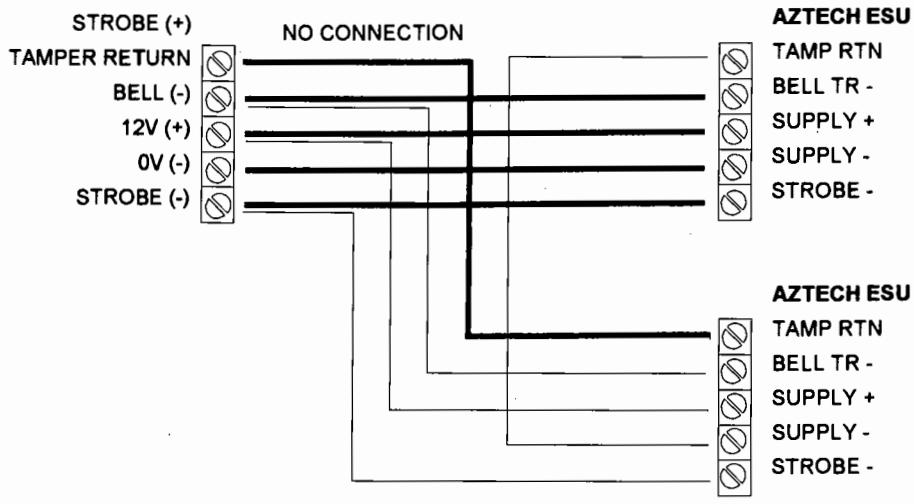
2. Simultaneous flashing LED's giving **two** pulses indicates an Alarm trigger resulting from a tamper or activation.

3. Simultaneous flashing LED's giving **three** pulses indicates an Alarm trigger as a result of power disconnection from the Control Panel. ie. as a result of someone cutting the connecting cable to the Sound Unit or due to total loss of Power to the Control panel.

Installing Multiple Units.

If more than one Sound Unit is to be connected to an installation then the current consumption may exceed the maximum load rating of the Control Panel or Power Supply. Selecting the **SCB** function (as previously described) on secondary units can overcome that problem.

Connections For 2 x AZTECH SOUND UNITS



SAFETY

Installation and maintenance should only be carried out by qualified personnel.

All strobes generate high voltages which can remain for some time after the supply has been removed. **NEVER** activate the strobe whilst the PCB is outside of its protective case.

For maintenance purposes, should you need to access the circuit by removing the PCB protective case, avoid touching that part of the circuit labelled **'WARNING HIGH VOLTAGE'** to eliminate the risk of electric shock.

SERVICING

If you need to access the External Sound Unit for maintenance purposes, ensure that the Control Panel is in DAY or UNSET mode. Lift the front cover from the Sounder. You can now work on the Unit without it sounding. (Any internal sounder on your system will activate at this point and will need to be deactivated from the control panel if necessary).

Most Control Panels have their own method of testing the strobe and siren which should be utilised. Failing this simply arm the system and cause an alarm activation to confirm correct operation of the External Sound unit.

Temporarily disconnect the positive supply to the unit at the Control Panel to confirm that the sounder self activates.

Replace the Sounder's cover ensuring that the battery jumper is in the **ON** position and the timer jumper set to **9** or **15** minutes as required.

WARRANTY

This product is warranted free from defects caused by design or manufacture for a period of two years from date of manufacture.

Provided that the goods have not been modified, altered or misused in any way, the company guarantees at its sole discretion to refund the price of , replace free of charge or to repair said faulty goods.

The external Sound Unit does not constitute a complete alarm system, merely a component part thereof, and Kinetic Products Limited cannot accept responsibility or liability for any damages claim whatsoever based on a claim that the unit failed to function correctly.

Connections For **ADE Control Panels including: Accenta, Optima, Compact, Logic 4 etc.**

	AZTECH ESU
STROBE + NOT CONN.	
SCB T	TAMP RTN
BELL - B	BELL TR -
BELL + D	SUPPLY +
SCB A	SUPPLY -
STROBE -	STROBE -

Connections For **CASTE CARE-TECH** Control Panels.

	AZTECH ESU
SABT	TAMP RTN
BELL	BELL TR -
+ HO	SUPPLY +
- HO	SUPPLY -
STR	STROBE -

Connections For **DA** Control panels.

	AZTECH ESU
AT	TAMP RTN
BELL	BELL TR -
+ HD	SUPPLY +
OV	SUPPLY -
ST	STROBE -

Connections For **GARDINER TECHNOLOGY** 300, 500, 800 Control panels.

	AZTECH ESU
STROBE + NOT CONNECTED	
SAB TAMP	TAMP RTN
BELL -	BELL TR -
BELL +	SUPPLY +
BELL HOLD	SUPPLY -
STROBE -	STROBE -

Connections For **MENVIER** TS500 Control Panels.

	AZTECH ESU
TRG -	TAMP RTN
BELL TR -	BELL TR -
HO+	SUPPLY +
HO -	SUPPLY -
SB	STROBE -

Connections For A1 **OMNICRON & MICROMARK** Control Panels.

	AZTECH ESU
STROBE + NOT CONNECTED	
SCB RT	TAMP RTN
BELL -	BELL TR -
BELL +	SUPPLY +
SCB A	SUPPLY -
STROBE -	STROBE -

Connections For **SCANTRONIC** Control Panels.

	AZTECH ESU
TR	TAMP RTN
BELL	BELL TR -
12V	SUPPLY +
0V	SUPPLY -
STR -	STROBE -

Connections For **TEXECOM & REGAL SAFE** Veritas, Compact, RB, Regant.

	AZTECH ESU
C	TAMP RTN
B	BELL TR -
A	SUPPLY +
D	SUPPLY -
S	STROBE -

Connections For **ADEMCO**

Accord,	Vista 4115UXM	AZTECH ESU
Bell Tamp - R	**TR (Zone 9)**	TAMP RTN
Bell -	**Bell -**	BELL TR -
Bell +	**12V +**	SUPPLY +
Bell Tamp -	**0V (Zone 9)**	SUPPLY -
STB-	**STB-**	STROBE -

Connections For **CK, Challenger**

Bravo 700	ST802	ST700L / ST800L,	AZTECH ESU
R	**R**	**R -**	TAMP RTN
S	**S -**	**S**	BELL TR -
Bell +	**Bell +**	**Bell +**	SUPPLY +
V -	**Aux -**	**Bell -**	SUPPLY -
STB-	**ST-**	**ST-**	STROBE -

Connections For **PYRONIX**

Paragon E, Conqueror,	Paragon Plus, Sterling 10	Paragon Super,	AZTECH ESU
BT	**BT**	**BT**	TAMP RTN
BA	**BA**	**BA**	BELL TR -
B+	**B+**	**S+**	SUPPLY +
S-	**B-**	**B-**	SUPPLY -
STB-	**STB-**	**STB-**	STROBE -

CONNECTION RECORD

CONTROL PANEL	COLOURS	AZTECH ESU
.....	.....	TAMP RTN
.....	.....	BELL TR -
.....	.....	SUPPLY +
.....	.....	SUPPLY -
.....	.....	STROBE -

TECHNICAL SPECIFICATION

SPECIFICATION	AZTECH 1000	AZTECH 2000	AZTECH 3000
Sound Output @ 1 M	109dB	115dB	118dB
Strobe Xenon tube	90 flashes / min	120 flashes / min	120 flashes / min
Indication	Twin LED	Twin LED	Twin LED
SAB / SCB	—	YES	YES
Timer	—	15 / 9 minute cut-off + 5 second test	
Tamper	Optional	Front and back tamper via microswitch	
Standby Battery			
Type	—	6.0 volt Nicad	7.2 volt Nicad
Capacity		280 mAh	280 mAh
Current Consumption			
Full Alarm	370 mA	370 mA	370 mA
Strobe	180 mA	180 mA	180 mA
Quiescent	18 mA	18 mA	18 mA
Construction Cover	3mm ABS	3mm P.Carb / ABS	3mm Polycarb.
Back plate	3mm ABS	3mm ABS	3mm Polycarb.
PCB Cover	—	ABS	Polycarb.
Weatherproof coating	Conformal (PCB)	Conformal (PCB)	Conformal (PCB)
Operating Temperature	-25°C - +55°C	-25°C - +55°C	-25°C - +55°C
Dimensions	330 x 197 x 45mm	330 x 197 x 45mm	330 x 197 x 45mm

Kinetic Products Limited reserve the right to change the design or specification without prior notice.

Our Aztech range of External Sound Units are designed to comply with the requirements of BS4737 and EN-50131.

The AZ-2000 & AZ-3000 series when correctly configured are considered suitable for use in Intruder Alarm Systems intended to comply with PD6662:2004 at Security Grade 3 and Environmental Class IV

INSTALLER REGISTRATION FORM

Please complete and return this form to Kinetic Products Limited to confirm your eligibility for our Points and Prizes scheme. (Please note that partially completed forms **CANNOT** be accepted).

Name: _____ Position: _____

Company: _____ Tel: _____

Address: _____ Fax: _____

_____ E-Mail: _____

_____

Post Code: _____

Which distributors do you regularly buy from?

1. _____
2. _____
3. _____

How many Alarm Systems do you install each month? ☐

How many of the following Kinetic products do use each month?

EXTERNAL SOUND UNITS ☐

XENON STROBES ☐

INTERNAL SPEAKERS ☐

SOUND BOMBS ☐

ALARM CABLE ☐

CCTV CAMERAS ☐

Please Fax back to 0161 654 9596 or Post to the address overleaf