Specification:

Supply: DC12V +15%

Quiescent Current: 20mA

Alarm (SAB) Current: 250mA Max.

Sound level: 110dB @ 1M, 100dB @ 3M

Battery: 6V/250mAh

Charging Current: 12mA

Strobe Current: 60mA

IP Standard: IP54

Environment Temperature: -20 ~ +70°C

Dimension: 194(W) x 300(H) x 59(D)mm

Weight: 0.77kg

Because the AU1000WBX bell box is not a complete alarm systems but only a part thereof, Challenger cannot accept responsibility or liability for any damages whatsoever based on a claim that a unit failed to function correctly.

Due to our policy of continuous improvement Challenger reserve the right to change specification without prior notice.

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Errors and omissions excepted. These instructions have been carefully checked prior to publication. However, no responsibility can be accepted by Challenger for any misinterpretation of these instructions.

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CHALLENGER
YOUR PARTNER IN A MORE SECURE FUTURE

AU1000WBX

Installation Manual

(Please read the instructions prior to installation)

For other panel manufacturers please refer to connection table Fig 5.

CONTROL PANELS	AU1000WBX				
	STB	12V Hold Off		Tmp R	TRG
	−	+	−	−	−
AP10LED, AP11LED, AP11LCD(FORCE10)	Strobe −	BELL +	BELL −	RTN −	S −
TEXECOM	S	A	D	C	B
SCANTRONIC	STR	12v	Ov	TR	BELL
MENVIER	STB −	H/O +	H/O −	TR −	TRG −
A.D.E.	STROBE −	D	A	T	B
AP35	STB −	H/O +	H/O −	TR −	TRG −
AP30	STROBE −	BELL +	BELL HOLD −	SAB TMP	BELL −
AP28 Intellisense	ST −	BELL +	BELL −	R −	S −
AP27 Challenger 700L	ST −	BELL +	BELL −	R −	S −
AP25 & AP26 Challenger Eurosec	STROBE −	BELL +	BELL HOLD −	SAB TMP	BELL −
AP200 Challenger	ST −	+	AUX −	R −	S −
AP1N, AP2N, AP4N, AP6 Challenger Optima, Accenta & Logic 6	STROBE −	D BELL +	A	T	BELL

Fig. 5

Mounting the unit:

Select a suitable position to mount the unit:
- Highly prominent for maximum deterrence
- Additional shelter (e.g. under the eaves) is an advantage
- High enough to be out of normal reach to deter tampering
- Safe ladder access
- Good cable access
- Four screws and wall plugs are required for mounting the backplate to an even surface (If the surface is uneven this may result in a rear tamper fault and the tamper leaver may require adjustment)
- Unit must be mounted securely on a suitable wall

Although the unit is compatible with a wide range of control panels, for optimum performance, it is highly recommended that the unit should be used with Challenger's range of control panels.

Connection:

Remove the bell box lid and PCB protective cover to access the terminals (see Fig.2)
Please ensure that the power is switched off before connections to the bell box are to be made.

Select mode required SAB or SCB (refer to page 3 default SAB)
Select Siren Timer (refer to page 3 default 14 minutes)
Select System Delay Timer (refer to page 3 default ON)

Strobe - : Strobe Negative Trigger
Trig - : Siren Negative Trigger
V - : Supply Negative 0 Vdc
V + : Supply Positive 12Vdc
Tamper: Negative tamper return
Battery: Connects to integral Backup Battery

Once the connections have been made the bell box internal battery can be connected (if the "System Delay" switch is enabled the siren will be disabled for 2 minutes (ref to Fig 3) and the PCB protective cover and bell box lid need to be replaced. Please ensure that the lid tamper switch is closed.

AP10LED APL11LED/LCD
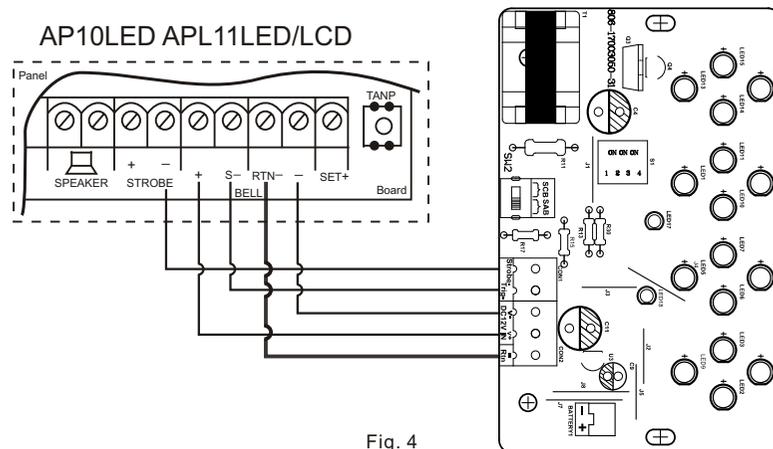
Fig. 4

Important Note:

Ensure that all the wires are properly connected before turning the power on.

Read this manual and familiarize yourself with the unit and instruction prior to installation.

The sounder has a high dB output and suitable ear protections is required while working on the unit to prevent hearing damage.

After Reading this manual, please keep it for future reference.

Features:

- Red LED Status Indictor
- LED Strobe Output
- SAB/SCB mode selectable
- 2 minute power up sounder/strobe Delay
- Selectable sounder cut of timer
- Alarm Sounds when voltage below 9.5V

Introduction:
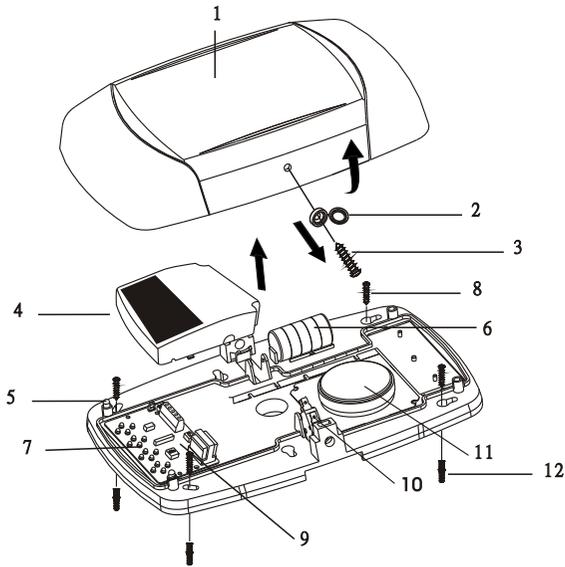
Fig. 2

1. Cover
2. Screw Cover/ Lens
3. External Screw (Security for Tamper Switch)
4. PCB Protection Cover
5. Red LED Indicator
6. Backup Battery
7. LED Strobe
8. Mounting Screw (not supplied)
9. Printed Circuit Board
10. Tamper Switch
11. Siren
12. Raw plugs (not supplied)

LED Indicator:

The red LED indicator show three states of the bell box

LED Off =   No 12v DC supply to the bell Box
LED Constant =   Bell Box tamper Fault
LED Flashing (slow) =   Bell box normal state
LED Flashing (fast) =   System Delay Mode (refer to page 4)

Main Board Connection Block:

Siren Output Times Setting:

1	2	3	Timer(min)
OFF	OFF	OFF	2
ON	OFF	OFF	6
OFF	ON	OFF	8
ON	OFF	ON	14
ON	ON	ON	20

*Factory Default Value:14 mintues

System - Delay Switch

4	Switch
ON	2min
OFF	Off Delay

*Factory Default Value: ON delay 2min
*Effective when power is first
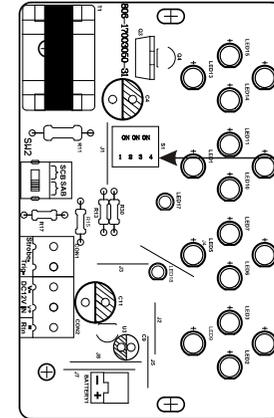
*Factory Default SAB/SCB: SAB
Fig. 3

Strobe-	Strobe Negative Trigger
Trig-	Siren Negative Trigger
DC 12 V-	Supply Negative 0 Vdc
DC 12V+	Supply Positive 12Vdc
Rtn-	Negative Tamper Return
Battery	Backup Battery Connector

Siren Cut Off Timer:

The bell box has a selectable cut off timer for the siren, this prevents the bell box from a continuous activation. The cut off timer can be set from 2 minutes to 20 minutes (default 14 minutes refer to Fig 3). The cut off siren timer resets when the bell box has returned to its normal state, this timer does not affect the operation of the strobe.

System Delay:

The bell box can be setup that on initial power up that the sounder/strobe does not operate on either the tamper, power loss or trigger input for the first two minutes.
The "System Delay" is indicated by the LED flashing rapidly. Once the two minutes have elapsed then the bell box returns to its normal operation. This enables the installer to connect the battery without the the sounder/strobe operating.
The "System Delay" mode is set as factory default with SW4 (see fig 3) in the on position, can be selected off if required.

SAB / SCB Modes:

SAB Mode: The sounder is powered from the control panel - Select SW2 (fig 3) to SAB position.
SCB Mode: In this mode the unit draws the majority of its sounding current from the built-in battery rather than from the control panel. Although the volume is somewhat reduced, lowering the current demand on the control panel (This mode is generally used when a second bell box is required to a system) - Select SW2 to SCB position.