

CONTROL PANEL

AU1000	AU1000				
	STB	HOLD OFF		RTN	TRG
	.	+	.	.	.
TEXECOM	S	A	D	C	B
SCANTRONIC	STR	12V	0V	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	B BELL -

CHALLENGER SECURITY PRODUCTS
 UNIT 2 /4 ARKWRIGHT COURT
 FYLDE IND ESTATE BLACKPOOL
 LANCASHIRE FY4 5DR TEL 01253 792898 TECHNICAL

The Challenger "Spirit" is a high quality external combined sounder and strobe unit. Features include a digital timed SAB with dual fail safe action, a high efficiency Piezo sounder and an integral high intensity double lens strobe.

Technical Description of the SPIRIT

- + This requires a constant 12V and 0V from the control panel
- HOLD OFF** This "HOLDS OFF" the piezo siren in normal operation.
- It also allows the battery to be trickle charged
- STB** - Provides an output from the control panel to flash the strobe and is independent of the sounder inputs.
- TRG** - In normal operation this activates the sounder only when a Negative Trigger is applied by the control panel.
- PIEZO** Provides the siren output to drive the piezo sounder
- RTN** - In normal operation this supplies a permanent signal to the control panel as part of the 24 hour tamper loop
- MICRO SWITCH** This is for N/C Tamper switches, which form part of the 24 hour tamper circuit
- BAT** Battery Link. After completing all connections this link must be moved to the ON position before fitting the bell box cover. This enables charging of the battery and correct function of the SPIRIT.
- SAB** Self activating bell (use for primary sounder)
- SCB** Self contained bell (use for secondary sounder)

Note: Isolate strobe before removing the cover (HIGH VOLTAGE)

INDICATORS

- ORANGE LED** This is only lit when the 12V HOLD OFF is connected correctly
- RED LED** This indicates when the TAMPER SWITCHES are closed

JUMPERS

TIMER SELECT

- T** 20 second approx
- A** 20 minutes approx

BATTERY SELECT

- ON** Allows SAB / SCB operation, plus trickle charge
- OFF** Isolates battery

MODE SELECT (Inside case BLUE LINK)

- SAB** Will draw sounder current from on-board battery only if HOLD OFF VOLTAGE is removed
- SCB** Sounder will always draw its current from the on-board battery. Not from the control panel.

FACTORY PRESETS

- MODE** SAB action
- LED** Alternating LED's
- Timer** 20 Minute Bell Cut-Off Timer
- BAT** OFF

SPECIFICATION

HOLD OFF SUPPLY VOLTAGE	11-15V, 12V Nominal
CUT OFF TIMER	Digital
MAXIMUM SOUNDER CURRENT	150mA MAX
HOLD OFF CURRENT @ 12V	65mA
BATTERY CHARGE CURRENT @ 12V	12mA
FULL CHARGE TIME @ 12V	24 Hours
FLASH RATE	60-120 per minute
FLASH INTENSITY	1 Watt / second
STROBE CURRENT @ 12V	100mA

DUE TO CONTINUAL DEVELOPMENT, WE RESERVE THE RIGHT TO MODIFY ALL PRODUCTS WITHOUT PRIOR NOTICE

INSTALLATION GUIDE

- | STEP | OPERATION |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Decide and select which SPIRIT features are required i.e. LED and Mode operation |
| 2 | Drill all holes required for mounting the SPIRIT. Use suitable screws and rawl plugs to provide a strong and secure installation. Make sure the bottom right hand screw is in a place which allows the back tamper to operate. If the SPIRIT is removed from the wall, the bottom right screw will break out therefore set off the back tamper. |
| 3 | Screw in the right hand tamper screw until the switch clicks. Now wire to the control panel. |
| 4 | Depending on your selection, the red and orange LED's will now be either flashing side to side or constantly illuminated. The orange LED displaying that HOLD OFF VOLTAGE is present and the red LED displays that the TAMPER SWITCH is closed. |
| 5 | Fit Battery link to ON and remove right hand tamper screw. |
| 6 | The siren will now be sounding. Quickly fit the bell box cover and fasten the two side screws which will silence the siren. |
| 7 | Both LED's will now once again be operating. |

COMMISSIONING & TESTING

- | STEP | OPERATION |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | It is now possible to provide a negative trigger from the Control Panel which will set off the sounder. |
| 2 | Open the Tamper Switch, the sounder will start and the red LED will go out. |
| 3 | If the Timer requires testing, simply move the Timer LINK to T, press and release the Tamper Switch. The siren will now sound for 20 seconds. Move the link back to A and replace the cover. |