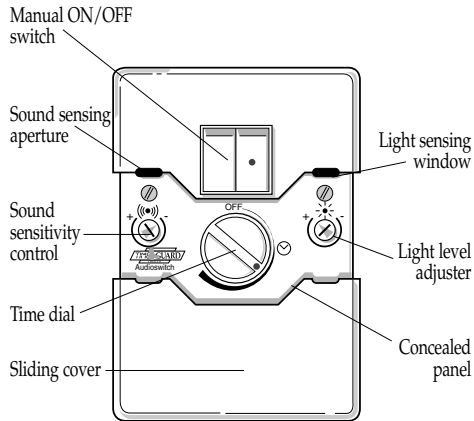
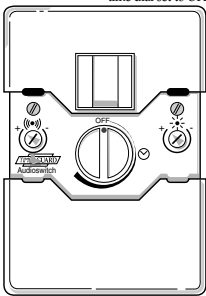


## ZV420 Audioswitch Security Light Switch



The ZV420 Audioswitch is a sound activated security light switch which automatically switches a light on when a sound is heard, turning it off again after a pre-set length of time chosen by you. It works in conjunction with an adjustable light sensing circuit giving dusk till dawn switching operation in response to a sound. The fully adjustable Audioswitch also acts as a normal switch and will easily replace any conventional ON/OFF or two way wall switch.

Figure 1  
Switch open and time dial set to OFF



### For Normal ON/OFF Use

Slide the front cover down and position the time dial (figure 1) in the off position. Slide cover back up. Audioswitch can now be used as a normal light switch.

### For Security Use

Ensure that the light switch is in the OFF position. Slide the front cover down. Before setting the light "ON" time required first adjust the sound sensitivity and then the light level controls to suit your requirements.

### Sound Sensitivity Adjustment

Using a small screwdriver first turn the light level control fully clockwise towards the '+' symbol (see figure 1). This will enable the ZV420 to operate in response to sound during daylight conditions. Now turn the time dial away from the OFF position and the sound sensitivity control fully anti-clockwise to the minimum '-' (see figure 3). Step back from the switch and by making a sound the light will turn on. Adjust the sound sensitivity control in a clockwise direction, then test by turning the time dial to OFF (see figure 1) then away again, and finally, make the required level of sound to turn the light ON. By repeating this process the correct sound sensitivity for your requirement will be arrived at.

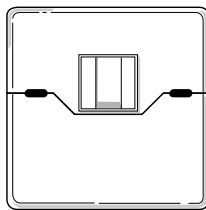


Figure 2 Switch closed

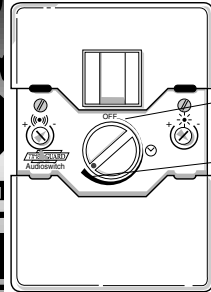


Figure 3  
Switch open and time dial set to maximum

Minimum light on time approx 20 seconds

Maximum light on time approx 5 minutes

### Light Level Adjustment

Using a small screwdriver turn the light level control anti-clockwise two thirds of the way towards the '-' symbol (figure 3). This approximate level can be more accurately adjusted at dusk, when convenient, by turning the time dial away from the OFF position, followed by turning the light level control fully anti-clockwise and then gradually turning it clockwise until the ZV420 reacts to sound.

HELPLINE  
0181-450-0515



For a product brochure please contact:  
**Timeguard Ltd.**

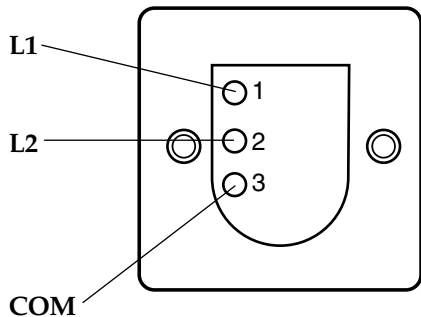
Victory Park, 400 Edgware Road, London NW2 6ND

Designed and manufactured in the U.K. 67-058-51 (ISS 2)

### *ON Time Adjustment*

The time dial allows the ON time to be adjusted between approximately 20 seconds and approximately 5 minutes (see figure 3). If further sounds are detected the ON time begins from the last detection.

### *ZV420 Connection Diagram*



Use terminals 1 (L1) and 3 (COM) with wires in either position for ON/OFF switching. For two way switching (two switches controlling one light or group of lights) ensure that the wire connected to common on the old switch is connected to terminal 3 (COM) on the ZV420. The other 2 wires are connected to terminals 1 (L1) and 2 (L2) in either position.

### *Specifications*

Operating Temperature:	0 - 40°C
Minimum Lamp Size:	40 watts
Maximum Lamp Size:	300 watts
Conforms to Directives:	73/23/EEC & 89/336/EEC

**NOT DESIGNED FOR FLUORESCENT LIGHTING AND LOW ENERGY LAMPS EXCEPT WITH USE OF ADAPTOR FLA01. NOT TO BE USED IN CONJUNCTION WITH A LAMP DIMMER IN 2 WAY SWITCHING.**

### *3 Year Guarantee*

In the unlikely event of this product becoming faulty, due to defective material or manufacture, within 3 years of the date of purchase, please return it to your supplier with proof of purchase and it will be replaced free of charge.

**Should you encounter any difficulty please contact our helpline on 0181 450 0515**

## AUDIOSWITCH SECURITY LIGHT SWITCH

Cat No. ZV420



OPERATING  
INSTRUCTIONS