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Information Sheet

Sound Activated Switch

(Advanced Model)

Catalogue Number: SADX

The Sound switch

The Sound switch is specially designed to operate from the human voice. It is particularly useful as a teaching aid for voice control.

The Sound switch can be connected to battery-powered toys, buzzers, alarm systems or single switch activated scanning environment control devices.

Electronic filters in the **Sound switch** can be adjusted so that the switch can be triggered by the user's voice but not by background noise.

Instructions and Suggestions for Use

Before using the Sound switch in a teaching situation we strongly recommend sitting down with the device and *playing* with it. Try out the adjustment controls, making lots of funny noises, and getting familiar with its operation. If you are confident with the use and adjustment of the switch your teaching will be more effective.



The Sound switch

Operation

- Firstly, check that the unit has a battery in it. If not, see ***Changing the Battery*** below.
- Position the Sound switch at a distance of 200 to 500mm from the user; or plug in an extension microphone to the 3.5mm microphone jack and position the microphone at a distance of between 100 and 300mm from the user.
- Turn the unit on with the switch.
- Initially set the **Sensitivity** adjustment to the maximum (clockwise).
- Initially set the **Sound length & Switch length** to the minimum (anti-clockwise)
- These initial settings will cause the green **Sound Detect** light to be lit.

- Then turn the **Sensitivity** back (anti-clockwise) to the point where the green **Sound Detect** light comes on reliably with the user's voice, but is ***not triggered by background sound***.
- Connect the switch output lead to the toy or equipment to be used and adjust the **Sensitivity, Sound Length** and **Switch Length** to ensure reliable operation.
- The **Sound Length** control can be adjusted so that *short sounds*, such as normal conversation, will not activate the switch; whereas a *longer continuous sound* will activate it.
 - *Note that it is very important to adjust the Sensitivity and Sound Length so that the Sound Switch is not inadvertently operated by extraneous noises in the room.*
 - *When using the Sound Switch with noisy equipment, remember to keep a reasonable distance between the Sound switch and the equipment. Otherwise the switch may be 'locked on' by the sound from the equipment.*

- The **Switch Length** controls the length of time that the switch remains “ON” each time it is activated. Adjust this to suit toy or equipment being used.

Changing the Battery

The Sound switch operates from a 9-volt battery. The first indication of a flat battery will be erratic behaviour by the Sound Activated Switch.

To change the battery, remove the cover on the underside of the case. Remove the old battery from the compartment and unplug it, being careful not to strain any of the wires. Replace the battery with a fresh one.