

### Sound Activated Switch (Advanced Model - No Battery)

The Sound switch is a switch specially designed to operate from the human voice. Electronic filters lower its sensitivity to background noise. It is particularly useful as a teaching aid for voice control. It can be connected to battery powered toys, buzzers, alarm systems or single switch activated scanning environment control devices.

#### 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, make lots of funny noises, and get familiar with its operation. If you are confident with the use and adjustment of the switch your teaching will be more effective.

#### Operation

- Firstly, plug the *Battery Eliminator Plug Pack* into a 240 Volt power outlet and turn on the power.
- Position the Sound switch at a distance of 200 to 300mm 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 red **Sound Detect** light to be lit.
- Then turn the **Sensitivity** back to the point where the red **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*

- **Remember** to keep a reasonable distance between the Sound switch and noisy toys otherwise the switch may be 'locked on' by the sound from the toy.
- The **Switch Length** control allows switch pulses of various lengths to be sent to the toy or equipment being used. Adjust this to suit the application.