APPLICATION NOTES:

- The **Twitch Switch** is designed primarily to be activated by the wrinkling of user's forehead. For best results, attach the Sensor Element to the center of forehead, and make sure the Element is already slightly arched forward when forehead muscles are relaxed. This will result in maximum bending of the element during the wrinkling and generate best possible input signal.

- Keep in mind that the switch was designed to discriminate between purposeful and uncontrolled wrinkling. Adjusting of the sensitivity level should allow you to find the position when fast purposeful movements will activate the switch, while slow uncontrolled movements will not.

- As an alternative, the switch can be attached to any other part of the body, and activated by any movement, which results in bending of the Sensor Element. As in the previous case, user should be aware that the switch reacts much better on short, quick movements. The speed, not the degree, of bending initiates the switching action.

- There are many other possible applications of this switch. For example, the Twitch Switch is sensitive to vibration. Thus, it can be used as an impact switch, e.g., if the Sensor Element is attached to the surface of the table, it will react on any vibrations of this surface, such as caused by striking it by a body part or any other object.

- **Turn the control unit off after use to preserve the battery.**

If you have any problems or questions about this unit or any of our products, please call our Technical Assistance Department at:

enabling devices

For Technical Support:
Call our Technical Service Department
Monday through Friday, 9 a.m. to 5 p.m. (EST)
1-800-832-8697
customer_support@enablingdevices.com

Twitch Switch #1061

USER'S GUIDE

enabling devices

50 Broadway
Hawthorne, NY 10532
Tel. 914.747.3070 / Fax 914.747.3480
Toll Free 800.832.8697
www.enablingdevices.com

When no other switch will do...!

The Twitch Switch is activated by small muscle movements, such as wrinkling the forehead. It can be easily adjusted to increase or decrease the amount of muscle movement needed to activate it. The Twitch Switch operates in three modes: latched, momentary and timed. Use the latched mode when operating a device that needs to remain on until the user wants to turn it off; the momentary mode when operating a toy or communication device; and the timed mode when operating a device that you want to stay on for a pre-set period of time (adjustable from 1 to 120 seconds). Set of 3 extra sensors now available separately. Requires 1 9-V Battery. Weight: ½ lb.

DESCRIPTION OF FEATURES:

ON-OFF: The ON/OFF switch is used to turn the unit ON and OFF.

SENSITIVITY CONTROL: To adjust the sensitivity of the Twitch switch, turn the knob marked sensitivity clockwise to increase sensitivity and counter-clockwise to decrease.

MODE SELECTOR: The right-hand knob is used to select one of the 3 modes of operation: Latch mode, Momentary mode, or Timed mode (See "Set up and operation").

TIME CONTROL: In Time mode this control is used to select the amount of time (from 0 to 120 seconds) that you wish the device to remain on after activation of the switch. Turn the knob clockwise to increase the duration and counter-clockwise to decrease.

DEVICE OUTPUT JACK: The cord with the 1/8" to 1/8" plug is used to connect a device that has been modified for external switch use. One end of the cord plugs into the jack marked device on the sound switch, the other end plugs into your adapted device's input jack.

SET UP AND OPERATION

1. Turn unit over carefully to reveal the battery compartment. Install one alkaline "9V" battery, observing proper polarity, and secure by pressing down into the clip. Do not use any other type of 9 Volt e.g. Heavy Duty, Super Duty or rechargeable as they will not work in this device.

2. Plug Sensor Element into the control unit's jack marked sensor. Select a comfortable location for the flexible Sensor Element and affix the two ends of the blue sensor securely to the body using the supplied non-irritating tape. The Sensor should be able to bow in the center. Do not tape across the whole sensor; doing so will prevent the sensor from working properly. Area should be free of oil and perspiration. It is advisable to attach the Sensor Element cord in several points along its way as well, to prevent it from activating the sensor during unrelated movements of the user.

3. Plug device to be controlled into the Device Output jack.

4. Turn unit on and adjust sensitivity to the desired level. "Switch On" indicator may remain lit with sensitivity control set to "MAX." Turn knob counterclockwise until light goes off. Experiment with different settings until switching action is easily controlled.

5. Select Mode of operation:

6. Latch Mode: Turn the selector switch to the "Latch" position. Device will turn on with first activation and remain on until turned off by the next activation.

7. Momentary Mode: Turn the selector switch to the "Momentary" position. Device will turn on with activation and remain on only while the activation or flex is sustained. Once the activation or flex ceases, the device will immediately turn off.

8. Time Mode: Turn the selector switch to the "Time" position. Device will turn on with activation, remain on for the duration of the cycle, and then automatically turn off.