

PROXIMITY SWITCH SSW-PS Piezo Switch

Function: The Piezo switch can be used on any body part where a controlled muscle twitch movement is present. Such as a temple, an eyebrow, a jaw or finger movement. The sensor is also activated by changes in temperature such as breath or touch. Adjustable sensitivities and delays enables the sensor to detect the slightest movements while ignoring involuntary ones as well as giving the user time to prepare for the next switch activation.

Usage: Use this sensor to detect muscle twitch movement of any degree that can be controlled to activate a switch. The types of appliances that can be activated include personal computers, communication systems, environmental controls, and toys.



Set-Up:

It is recommended that the Proximity Control Module be fully charged before using. The Proximity Control Module should be charged for at least 3 to 4 hours before using it. The Proximity Control Module is charging when the LED is RED and fully charged when the LED turns GREEN.

To charge the Power Control Module:



Plug the charging cable into the charging jack.



Plug the other end into an AC outlet, The charging LED Will light and show RED



When the Power Control Module is fully charged the charging LED will turn GREEN

The Proximity Control Module can be used while the unit is charging. The Proximity Control Module has an internal 12Volt rechargeable battery. The battery should stay charged for about a week with normal usage, recharge as needed.

Connect one end of the 3.5mm cable into the jack on the Proximity Control Module labeled SWITCH OUTPUT and the other end into the device that you want to control.



Connect one end of the Piezo Sensor into the jack on the Proximity Control Module labeled SENSOR INPUT.



Set the power switch to either ON w/Tone or ON No Tone. With the power switch set to ON w/ Tone you will hear a beep from the Power Control Module each time the sensor is activated. With the power switch set to ON No Tone you will not hear a beep from the Power Control Module



.Find a muscle on the user that can be used to control the Piezo switch. This could be a muscle on the forearm when a finger is moved or above the eye when their eyebrow is raised or on the cheek when the jaw is clinched. There are 2 straps provided to connect the Piezo sensor. The Piezo sensor is connected to the straps by attaching the Velcro hooks side of the Piezo sensor onto the strap so that the metal side of the Piezo sensor will make contact with the skin. Medical tape can be used instead of the straps.



There are 2 adjustments that are to be made on the Piezo sensor. The adjusting knob on the left is for the sensitivity of the sensor. This will let you detect the smallest of muscle movement or a more gross movement. Start with the sensitivity knob set in the middle and then turn the knob to the right to increase the sensitivity or to the left to decrease the sensitivity. Once you have set the sensitivity you can then set the delay time in-between sensing the muscle movement. The adjusting knob on the right is for the Delay timing. This is to ignore involuntary movements after the switch has been activated. Start with the knob set in the middle and then turn the knob to the right to increase the delay time or to the left to decrease the delay time (see picture below).



When the sensor is activated the Delay Indicator will light. The LED will stay on for the duration of the delay time. Once activated all activation will be ignored until the LED turns off

