

Eye Blink Switch New Flex Arm Design #9008



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Easy to position with unique mounting!

Just aiming the sensor at the eye, above or below the eye will allow the user to control communication devices, toys, or computers. Controls give momentary, timed (1 to 120 seconds), or latched output. Internal circuitry can be set to activate with each eye blink or with every double eye blink to ignore normal eye blinking. An adjustable soft flex arm easily mounts to any eyeglass frames or head bands. Eyeglasses not included. Size: 4½" x 2½" x 1". Requires one 9-V Battery. Weight: ½ lb.

OPERATION:

1. The Eye Blink switch requires one 9V battery. Alkaline batteries are recommended because they last longer. Do not use rechargeable batteries because they supply lower voltage and the unit may not perform as well.
2. To access the battery compartment, you will need to slide the cover off on the back of the unit. Install the 9v battery into the compartment. Then simply slide the cover back on.
3. Next you will need to select the switch mode; there are three choices of operation. See the descriptions below.

AVAILABLE MODES:

MOM:

In this mode, the unit operates as a momentary switch. The device connected activates each time the eye blinks. Each eye blink will make single switch activation. (Only in standard eye blink mode, see two purposeful eye blink mode for more options).

TIME:

In this Mode, the unit operates as a timed switch. The device runs for a set amount of time (1-120 seconds) when the switch is activated. Adjusting the timer knob clockwise increases the run time, counterclockwise decreases.

LATCH:

In this mode, the unit operates as an On/Off Switch. The connected device goes On with the first eye blink or two purposeful eye blinks and stays On until the second eye blink or two purposeful eye blinks.

Important Notes:

For most uses the two purposeful eye blink mode setting will work best, this mode will help prevent any false activation of you device. See below for setup directions.

4. Plug the end of the sensor's cord into the jack labeled SENSOR on the control box. Make sure you have it plugged in all the way, there should be no gaps. Next plug one end of the included double ended male to male cord into the jack labeled DEVICE on the control box. The other end will plug into your switch adapted device.
5. To attach the sensor Flex Arm to your glasses use the included heat shrink tubing around one frame arms leaving enough space for positioning the sensor where you want it. (See Photos)You will want to cut the tubing to fit the length of your glasses' arm and then using a heat gun or hair dryer heat the tubing so it shrinks around the arm. (Caution Do not over heat (See Photos).



Photos

6. Once the Flex Arm is attached, the sensor needs to be positioned so it is aiming either straight in-line with the user's eye, above the eye or below the eye (see Photos). If the user does not need the use of glasses, we recommend removing the lens from the side where the sensor is mounted. This will give optimum performance from the sensor and minimum adjustments of the sensor. An Eyeglass lens reflects light which can sometimes cause interference with the sensor; this is why we recommend removing the lens if the glasses are not need to see).



Photos

Please Note: Sensor needs to be as close the eyeglass lens as possible. The sensor only has a short range (approximately 10cm) it can detect an eye blink. If the sensor is positioned to far away from the eye it will not work or be very inconsistent.

Important Notes:

For most uses the two purposeful eye blink mode setting will work best, this mode will help prevent any false activation of you device. See below for setup directions.

1. To turn the unit ON, set the ON/OFF switch to ON, this is the standard mode setting. Each time the user blinks it will make switch activation.

Two purposeful eye blink mode option setup:

With the ON/OFF switch set to OFF, press and hold the OPTION button. Next turn the ON/OFF switch to ON while still holding the OPTION button down. Wait until the GREEN LED light blinks twice, and then release the OPTION button. The unit is now set for the two purposeful blink mode. In this mode the user must blink once, then pause for no more than a half second and then blink again within three seconds to make switch activation. The blinks should be slow blinks. Two fast blinks will work intermittently.

Please Note: Each time the Eye Blink is shut OFF; it re-sets to the default single blink activation. To use the two blink setting you must follow the OPTION button each time the unit is first turned ON.

Cleaning Information:

- You can clean the SENSOR with a clean soft cloth “**ONLY**”, **do not use any type of cleaner on the SENSOR, doing so will damage the SENSOR and void your warrantee.**
- The control box can be wiped clean with any household multi-purpose cleaner and disinfectant.

Do not submerge the unit, as it will damage the electrical components.

Do not use abrasive cleaners, as they will scratch the surface of the unit.

Troubleshooting:

If the unit is not functioning as it is supposed to:

- Check the 9V battery. Make sure it is fresh and installed according to proper polarity.
- Make sure that the sensor is either positioned in-line, above or below with the user’s eye and that the eye glass lens and SENSOR are clean. If not, you may get “false activations” or none at all.
- Try angling the sensor upward or downward.
- Make sure that the all connections are plugged in all the way, with no gaps.
- Try your device with another switch to rule out the Eye Blink the source of the problem.
- If you have tried ALL of the above contact our Tech Support Department at 1-800-832-8697 ext. 320 or via email at: customer_support@enablingdevices.com

Do not submerge the unit, as it will damage the contents and the electrical components.

Do not use abrasive cleaners, as they will scratch the surface of the unit.