

# Motion Detector Alarm

Spies can't be everywhere at once, but you can rest assured that your valuables are safeguarded with this compact alarm system. With two modes, it can detect nearby movements and it can also sense vibrations. When triggered, a three-second alarm will sound so you can catch burglars and rival agents in the act!

### Quick Start Guide:

1. An adult must install the batteries before use. (See section 2.)
2. Toggle the switch to M (motion) and place your alarm near your valuables.
  - The motion sensor registers any nearby movements and sounds an alarm.
3. Toggle the switch to V (vibration) and place the motion detector on top of your valuables.
  - If the motion sensor is moved, the alarm will sound.

**WARNING!** Not suitable for children under 3 years. Choking hazard – small parts may be swallowed or inhaled. Keep the packaging and instructions as they contain important information.

### 1) How your motion detector alarm works:

First, have an adult install the batteries. (See section 2 below and image 1 to the right.)

Your alarm system has two functions that you can set using the switch.

#### • Motion detection mode

To detect motion, toggle the switch to "M." The red flashing LED indicates your motion sensor is active. Now determine where you want to position it. You can point it toward a door, or place it in front of a drawer. Point the front of the sensor in the direction from which the intruder would likely approach. As soon as the device detects movement, it will emit a three-second alarm.

Tip! The better the lighting is in the area it is placed, the more motion it will be able to detect.

#### How does the motion sensor work?

The motion detector reacts to changes in light (from light to dark and vice versa). If the lighting changes, the light sensor sends an electrical signal that causes the alarm to go off.

There are also motion sensors that react to thermal radiation (infrared radiation), which every human and animal body emits.

#### • Vibration detection mode

To switch from motion detection mode to vibration detection mode, toggle the switch to "V." The red LED indicates that your sensor is ready. Place your sensor on top of something (like the lid of a box or a book) or inside of something (like a bag or a drawer). If the object is moved (or someone tries to move the sensor so they can look inside), a three-second alarm sounds. The vibration detector works in any lighting condition.

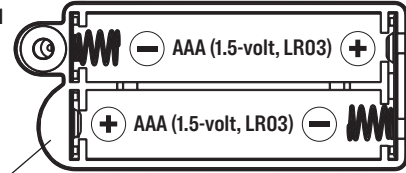
Tip! When you aren't using the device, make sure to switch it off so the batteries last longer.

#### How does the vibration detector work?

The vibration detector measures its own acceleration, meaning it senses changes in movement. Think about when you ride in a car: you hardly feel motion when the car is driving at a constant speed. But when the car accelerates, your body is pressed backward into the seat. Conversely, you can feel when the brakes activate because your body gets pulled forward.

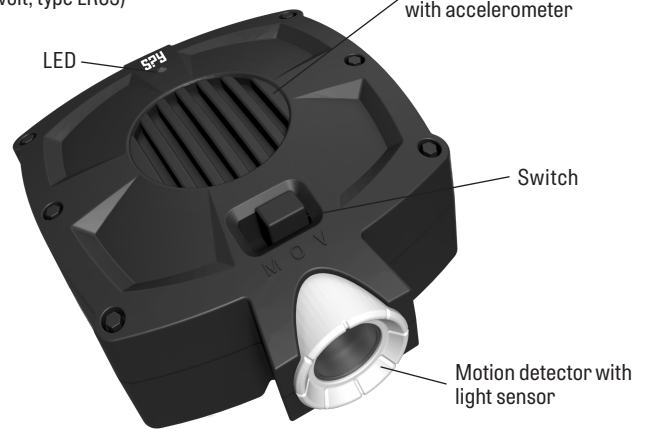
The vibration detector works similarly to how your body detects changes in movement. A silicon sensor, a fraction of a millimeter in size, senses any change in velocity, which produces an electrical signal that causes the alarm to go off.

Image 1



Battery compartment for 2 x AAA batteries (1.5-volt, type LR03)

Image 2



### 2) Installing and replacing the batteries:

**IMPORTANT:** An adult should insert and change the batteries.

- Use a Phillips-head screwdriver to loosen the screw on the battery compartment. Lift off the cover. The screw will remain in the cover.
- Remove the old batteries, (if applicable) and insert two new AAA batteries (1.5-volt, type LR03). Pay attention to the correct polarity (see image 1). Close the battery compartment and use the screwdriver to screw the cover back into place.

#### Safety for Experiments with Batteries:

- An adult should insert and change the batteries.
- To operate the device, you will need two AAA batteries (1.5-volt, type LR03), which could not be included in the kit due to their limited shelf life.
- Avoid a short circuit of the batteries. A short circuit can cause the wires to overheat and the batteries to explode.
- Different types of batteries or new and used batteries are not to be mixed.
- Do not mix old and new batteries.

- Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Batteries are to be inserted with the correct polarity (+ and -). Press them gently into the battery compartment. See above.
- Non-rechargeable batteries are not to be recharged. They could explode!
- Rechargeable batteries are only to be charged under adult supervision.
- Rechargeable batteries are to be removed from the toy before being charged.

- Exhausted batteries are to be removed from the toy.
- The supply terminals are not to be short-circuited.
- Dispose of used batteries in accordance with environmental provisions, not in the household trash.
- Avoid deforming the batteries.
- Do not leave the device in direct sunlight or expose it to other sources of heat.
- **IMPORTANT!** Protect the device from moisture. Clean it with a damp cloth and allow it to dry thoroughly before using it again.

#### NOTES ON DISPOSAL OF ELECTRICAL AND ELECTRONIC COMPONENTS

The electronic components of this product are recyclable. For the sake of the environment, do not throw them into the household trash at the end of their lifespan. They must be delivered to a collection location for electronic waste, as indicated by the following symbol: Please contact your local authorities for the appropriate disposal location.

