



# Motion Detector

## Installation and Usage Guide



The Motion Detector guards against intruders moving through your home, providing an additional layer of protection that is especially suited to guarding wide open or infrequently used areas.

We recommend the use of Motion Detectors in central areas such as hallways and living rooms.

# Installation

## 1. Select a location

Motion Detectors are best used when covering a wide open area as they detect movement over 25 feet away from the mounting location. In a standard installation, the Motion Detector should be mounted 7.5 feet from the floor. An inward-facing corner mount is typically recommended, but the included coverage diagrams should be consulted and compared to your home before making a final decision.

**Things to avoid:** Motion detectors detect infrared energy (heat) and can be set off by sources of heat. Do not aim the sensor at windows, fireplaces, air conditioners, or heaters. Do not place the Motion Detector in direct sunlight. Any objects that regularly move may cause false readings.

## 2. Mount the motion detector

- a* — Press the button on the top center of the motion detector to remove the back plate from the unit, revealing the mounting plate knockouts. In typical installations, only the four bottom knockouts will be used, which are marked “use with standard lens.”

- b* — For corner mounts, the outer two knockouts will be used. For wall mounts, use the middle two knockouts. Punch out (or drill out) the two knockouts appropriate for your mounting.
- c* — Using the back plate as a guide, mark the location for the mounting holes on the wall.
- d* — Secure the back plate to the wall with screws. If mounting to drywall or plasterboard, first drill a hole and use plastic anchors.
- e* — Attach the sensor to the mounting plate.



# Installation

## 3. Pets

While Motion Detectors are designed to avoid detecting animals with a combined weight less than 40 pounds, smaller animals can still trigger an alarm in many situations, such as when they are able to climb onto objects in the Motion Detector's field of vision. An alternate, upside down mounting may prevent this issue.

- a* — Select a location five feet above the ground, which is above or out of sight of any items animals may jump on.
- b* — Press the button on the top center of the motion detector to remove the back plate from the unit, revealing the mounting plate knockouts. The bottom 4 knockouts will not be used for this installation, instead the knockouts marked "Use with animal alley lens" will be used.
- c* — For corner mounts, the four side knockouts will be used. For flat wall mounts, the two middle knockouts will be used. Punch out (or drill out) the two knockouts appropriate for your mounting.

- d* — Using the back plate as a guide, mark the location for the mounting holes on the wall.
- e* — Secure the back plate to the wall with screws. If mounting to drywall or plasterboard, first drill a hole and use plastic anchors.
- f* — Attach the sensor to the mounting plate.
- g* — Perform a walk test to verify the Motion Detector's field of vision.



# Maintenance

## 1. Test Monthly

All sensors should be regularly tested for functionality. Put your account into a test mode by chatting with us at

[www.protectamerica.com/chat](http://www.protectamerica.com/chat)  
or by calling 877-274-0604

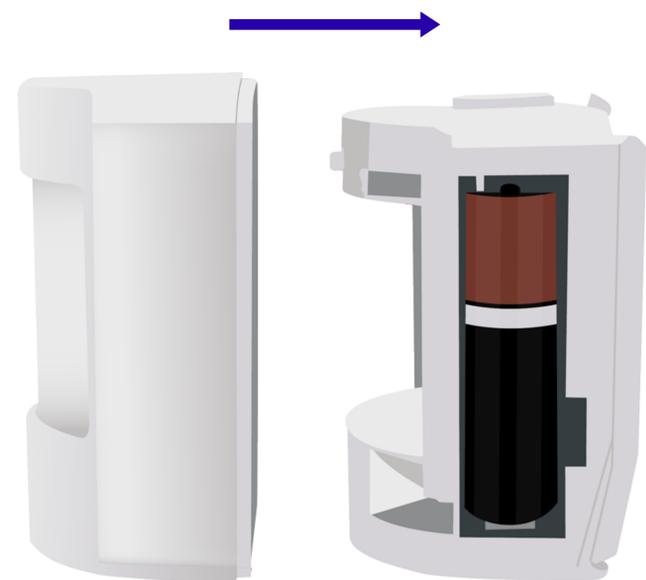
Once the test mode is activated, arm the system “away” for both doors and windows and motion detectors. After arming, wait 3 minutes outside of the motion detector’s field of vision before walking across the area of detection. Once testing is complete, disarm your system and verify signals were received with Protect America.

## 2. Battery Replacement

Batteries should be replaced every 3-5 years and any time your system indicates the sensor has a low battery. This unit uses two AA batteries.

- a* — To access the battery compartment of the motion detector, remove the unit from the back plate. This will reveal three tabs.
- b* — Hold all three tabs and grip the unit gently by the long sides and pull to remove the front cover and reveal the batteries.

**Note:** Do not spray the unit with anything, or paint over the unit.



# Troubleshooting

## 1. Tamper

If a tamper is reported, separate the unit from the base plate and then re-attach firmly.

## 2. Low Battery

If a low battery is reported, replace the batteries. This unit uses 2 AA batteries.

## 3. Sensor Failure

If a sensor failure is reported, replace the batteries and perform a system test.

## 3. False Alarms

If false alarms occur, check the following:

- a* — Any item in the room that may move due to AC, heating vents, or fans. These include balloons, banners, and some drapes.

- b* — Drafts from open windows or doors. Air currents can carry heat and cause false readings.

- c* — Unpainted metal and mirrors, which can reflect heat from sources outside of the Motion Detector's field of vision.

# Coverage

Top View Detection Pattern

