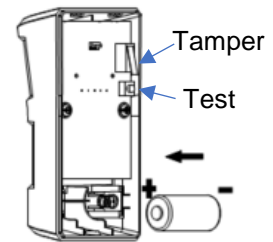## INTRODUCTION ELRO HOME PIR PET-IMMUNE MOTION SENSOR AG40PP11:

The PIR Pet-immune Motion Sensor AG40PP11 is designed for use with the AG4000 ELRO Home Alarm System.

PIR Motion Sensor:

PIR sensors are designed to detect movement. This sensor features pet immunity however, meaning that your pet moving around will not cause false alarms.
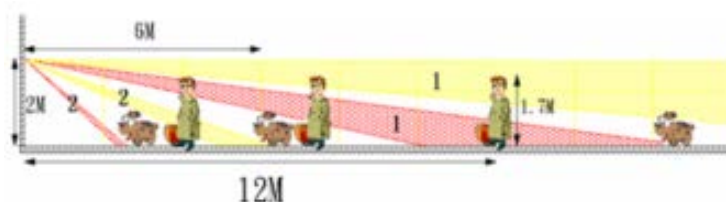
Installing your home PIR Motion Sensor:

First, the battery has to be inserted into the device. To do this, first unscrew the screw at the bottom of the sensor so you can remove the back plate. After removing the back plate, place the CR123A 3V lithium battery in the sensor in the way shown in the picture above. Under normal conditions, the battery will typically have a life of 3 years. After powering on, the PIR will warm-up for 2-3 minutes. The LED will flash during this time. When the warm-up has finished, the LED will stop flashing. Next press and hold the small black test button for at least two seconds to make the PIR detector enter test mode. When in test mode, if you walk around the area the unit is covering, the LED will flash for 0.5 second (normally, the LED will not flash when it detects movement). The control panel will also be notified of movement being detected. If no movement is detected for more than 3 minutes, the PIR detector will exit test mode and enter normal mode again.

Note: Under test mode the LED will flash when the PIR detector is triggered. The LED flash in test mode only lasts for 0.5 second. When the unit has a low battery, the LED will flash for one second. In normal mode the PIR will only send a new signal after two minutes have passed since being triggered.
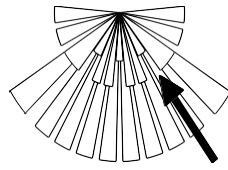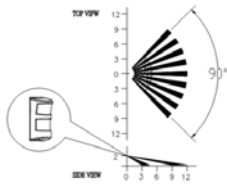
Pet immunity:

The sensor comes with a pet immunity mechanism immunity mechanism so that small pets or other animals will not trigger the detector and cause false alarms. The mechanism works by detecting height/length, therefore a pet that is taller than 60cm or longer than 90cm will trigger the PIR motion sensor. You can see this in the image shown below.
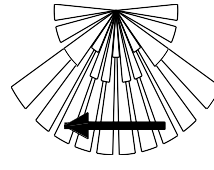
Mounting the PIR motion sensor:

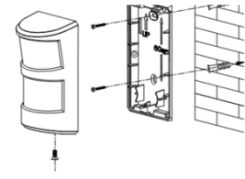When determining where to place the detector, there are various factors to consider:

1. The detector must not be placed facing a window that lets in direct sunlight. PIR detectors are not suitable for use in sunrooms or greenhouses.
2. Do not place the detector in a place where a ventilator is in its line of sight.
3. Do not place the detector directly above a heat source (e.g. fire, radiator, boiler, etc.)
4. Where possible, mount the detector in the corner of a room, so that the logical path of an intruder would cut across the detection pattern. PIR detectors are better at detecting movements across their field of view, than at detecting movement directly towards or away from the unit.

Less Sensitive   **More Sensitive**   <u>A</u>

To mount the unit, first carefully drill out the required mounting holes that are marked on the rear cover in oval shape. Next, using the rear cover as a template, mark the position of the drilling holes on the wall. After drilling the holes, attach the rear cover to the wall using the included screws and wall plugs.

Adding the Home PIR Pet-immune Motion Sensor to the AG4000 Home Alarm System:

The alarm panel will group motion sensors and door/window sensors into 5 security types, each assigned according to when they will be activated:

- **Security Type "0": Fully Armed**. The sensor will be activated only when the system is in Full Arm mode. This sensor will not be activated in Partial Arm mode. When the sensor is triggered, the alarm will sound immediately without any preset delay.
- **Security Type "1": Partially Armed and Fully Armed**. The sensor will be activated when the system is either fully or partially armed. When the sensor is triggered the alarm will sound immediately without any preset delay.
- **Security Type "2": Fully Armed + Delay**. Same as Security Type "0", except when the sensor is triggered the alarm will sound after a preset Entry delay. This is mostly used for the main entrance to prevent any accidental triggering of the alarm by the user.
- **Security Type "3": Partial Arm and Fully Arm + Delay**. Same as Security Type "1" except when the sensor is triggered the alarm will sound after a preset Entry delay. This is mostly used for the main entrance to prevent any accidental triggering of the alarm by the user.
- **Security Type "4": 24Hrs intruder**: The sensor will immediately trigger an alarm, regardless whether the system is (partially) armed or disarmed. This is normally used to protect areas from any unauthorized access, such as a safe box or an electrical maintenance room, etc.

When a new sensor is added it needs to be assigned to one of the above security types.

To add the sensor:

1. Power on the sensor by inserting its battery.
2. On the alarm panel, enter the **PIN +** 🔒 **DISARM** Key to disarm the system.
3. Enter your **PIN + 15 + [security type number] +** 🔒 **PARM** to start the binding process. The 🔒 **DISARM** LED will start to blink for 30 seconds with a beep tone.
4. Within 30 seconds, set the sensor to enter binding mode using the tamper button shown in the image on the first page.
5. When the sensor has successfully been added, the 🔒 **DISARM** LED will turn on for 1 second along with a long beep sound. A keypad LED will turn on to indicate the allocated zone number. (Numbers 1 – 9 for zones 1 – 9, Number 0 for Sensor Zones 10 and above).
6. If the binding process fails, it will timeout after 30 seconds and 3 short beeps will be heard.
7. To exit the binding process, press the 🔒 **DISARM** key.

IMPORTANT WARNING:

This package can contain small parts and/or material which can be dangerous to small children! Be aware of this, and keep this away from small children!

For more information about the ELRO AG4000 Home Alarm System visit
www.elro.eu

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SPECIFICATIONS

Battery Type	CR123A 3V/1600mAh
Warm Up Time	About 1 minute
Detection Coverage	12m x 90° at 2 meters height & below 28°C
Pet Immunity	Height≦60cm; Length≦90cm