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DISCREET OVERNIGHT EXPRESS POSTAGE AUSTRALIA WIDE**



SOLAR DRIVEWAY & GATE ALARM PIR LONG RANGE KIT

Model Number – GATE-KIT-PIR

Short Description

Hidden Camera Surveillance *Solar Driveway & Gate Alarm Long Range Kit* is a cost effective super easy DIY motion alert system. No cabling or power needed. If a person or car enters through your gate, driveway, even a shed entry point, the solar motion sensor will wirelessly send a signal to the battery or mains powered base receiver inside your home or office up to 800m away. The base receiver can accommodate up to 4 x solar outdoor motion sensors but more on that subject later. Need further help? Please don't hesitate to call our office.

Description

The base receiver can also be powered if preferred (we provide a free power supply with each kit ordered) but it's designed to chime the moment it receives the motion triggered wireless signal. This is basically giving you a heads up that someone has entered your property from up to 800m away. The base receiver can accommodate up to 4 solar gate alert panels (1 supplied with each kit) and the receiver chime volume is adjustable.



The *Solar Powered PIR Driveway Alarm* outdoor motion sensor is powered by a built in 18650 solar rechargeable lithium battery. Never any need to replace the battery and it will even charge on cloudy and rainy days. The battery won't go flat so don't be concerned however, worst case scenario if the motion sensor is permanently mounted in a shaded or dark area with little to no sunlight, the motion sensor is provided with a charge jack and charge lead.

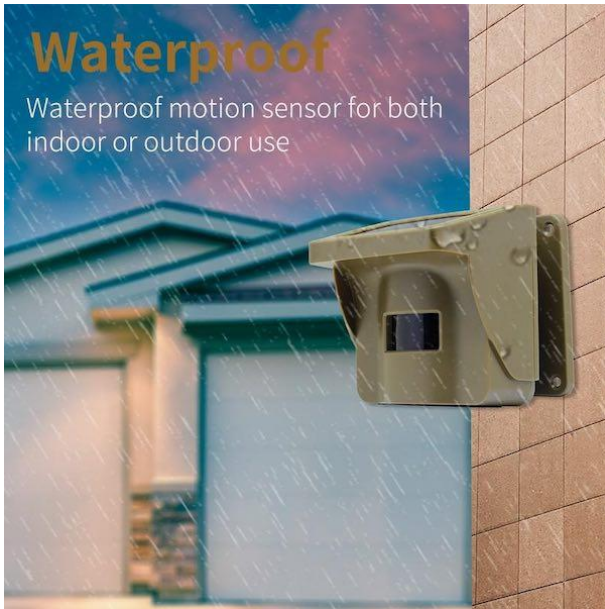


Hidden Camera Surveillance will offer our customers a free 5V USB charger just for that purpose but in most cases, it won't be needed. The same 5V USB Australian power supply can also be used to power the base receiver if needed. The base receiver takes 4 x AA alkaline batteries which will keep the device powered for 6-12 months or more.



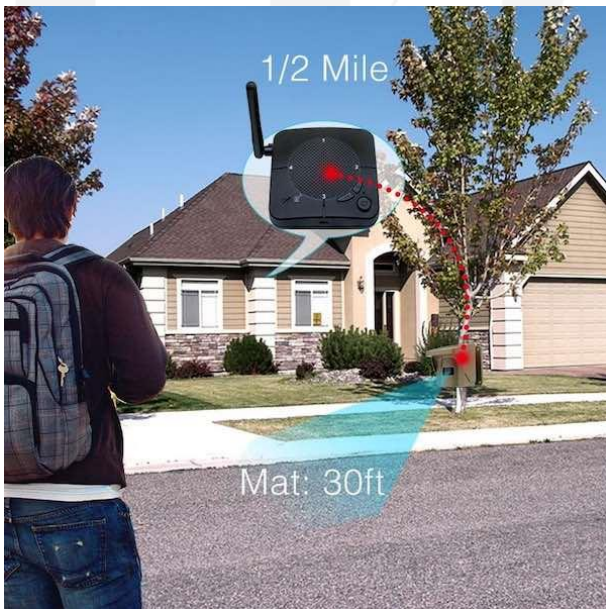
What is the wireless transmission range?

Up to 800m or so can be achieved but that distance could be less depending on obstacles between the transmitter and receiver. If there is a reasonable line of sight, it won't be an issue for most as the transmission is basically a pulse only and not a constant wireless transmission. The pulse is enough to trigger the base receiver to chime.



What is the motion detection range?

This high precision *wireless driveway alarm system* features a low-rate false alert with adjustable sensitivity. The motion detection range is approximately 10m detection range depending on the mounting height which we suggest ought to be at about 1m from ground level. That of course could be mounted higher and the motion sensor tilted down but the idea is not to mount or aim the sensor toward the sun or horizon as the sensor does need to have a sense of where the ground is. The solar sensor has a 60° detection angle which is ideal for driveways, gates, walking paths and any other entry or exit point.



Is this system expandable?

The wireless driveway alarm system includes one solar motion sensor and one base receiver. Optionally it can be expanded to accommodate up to 4 solar motion sensors and unlimited receivers for complete property coverage. 6 levels of volume adjustment and 4 optional chimes are designed to match different motion sensors zones. The differing chimes are designed to distinguish or determine which of the 1-4 zones areas was breached or rather detected motion.

Are the motion sensor weatherproof?

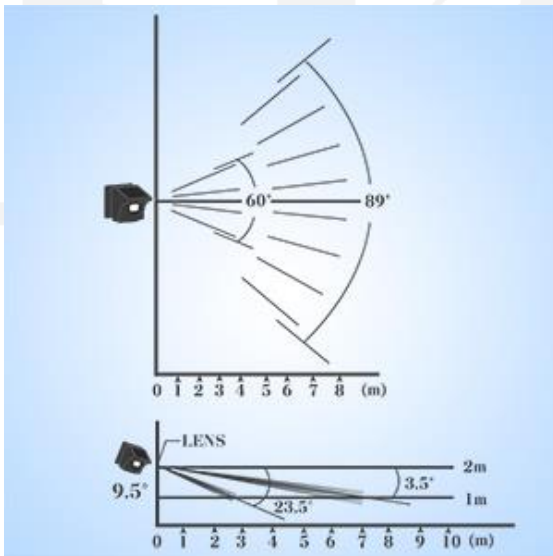
The motion sensor is IP66 weatherproof rated and designed for both indoor and outdoor use. Ideal for homes, yards, gates or anywhere motion is likely to be detected. The 4 zone base receiver on the other hand is not weatherproof and ought to be located indoor or undercover where it won't get wet or subject to condensation.



Is the kit easy to install myself?

Anyone with a screwdriver and perhaps a cordless drill can easily attach the solar motion sensor on a wall, post, or any other stable object. We don't recommend mounting the motion sensor to a tree trunk or branch which will obviously move about in the wind and potentially cause the motion sensor to false trigger, so a stable and secure environment is necessary.

We also recommend the solar panel to be tilted at about 30 degrees and the motion sensor angled toward the ground rather than completely horizontal so that the motion sensor has a "point of reference". Screws etc provided with each kit.



Specifications

- Transmission Range: Max: 800m
- Channels: Max: 4 Channels
- PIR Detection Range: High/Low Sensitivity: 10m/6m
- RIR Detection Angle: Horizontal: 60 degrees Vertical: 40 degrees
- Detector Low Power Notification: Yes Supported
- Solar power panel: Max:0.35W
- Detector Charging: DC 5V/1A
- Weatherproof rating: IP66

One base receiver can accommodate up to 4 solar motion sensor panels however, the number of base receivers which can be added to any one system is basically unlimited.



In this image the base receiver is inside the house and the solar motion transmitter is fixed to a driveway wooden pole. The motion sensor detects the motion of a person walking up the driveway and sends a wireless pulse signal to the base receiver.



In this picture we illustrate up to 4 solar motion sensors can be added to the one base receiver.



This image illustrates one base receive and 2 solar transmitters



Base receiver and solar motion sensor functions.

Alarm Receiver & Motion Sensor

