

# NV37MR

## Installation Manual

**Wireless Outdoor/Indoor Window and Sliding Door Dual Detector with Anti-Masking and Pet Immunity**



### General Description NV37MR

Thank you for choosing the NV37MR Wireless for your professional protection needs. The NV37MR wireless version will provide you the most advanced window and sliding doors protection either in Pet Immune or Sharp mode. If you have any comments please write to us at [Paradox.com/products/feedback](http://Paradox.com/products/feedback).

### Recommended Installations (please read)

Outdoor installation permits placements within frames of sliding windows or doors and presumes protection from raindrops. This ensures best catch performance, anti-masking ability, and pet alarm immunity.

Other installations are possible but in outdoor conditions, pet immunity can decrease. Moreover, space near the detector must be clear from obstacles from a distance of 30 to 40 cm (11.8 to 15.7 in.) within its pattern.

### Installing the NV37MR

1. Remove the front cover - open the Captive screw.



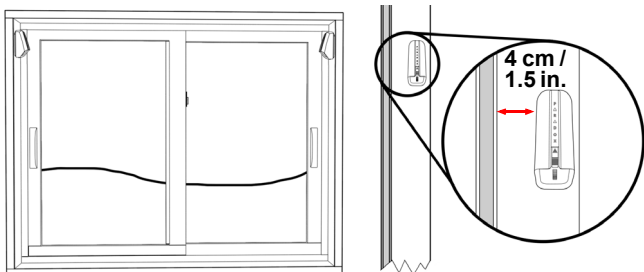
Figure 1 – Front Cover

Figure 2 – Main Unit

Figure 3 – Back Plate Unit

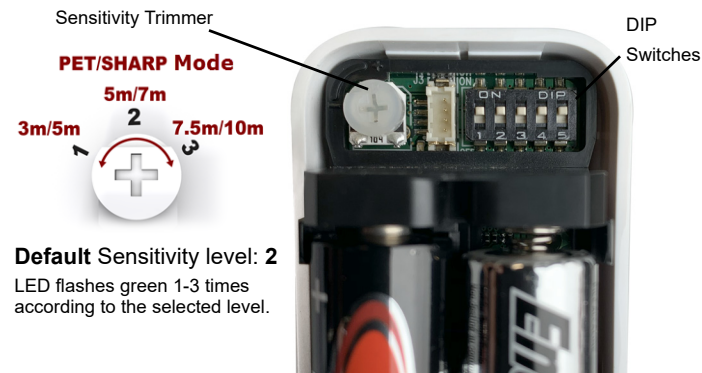
2. Remove the Main Unit: open the two snap-lock mechanisms on each side of the back cover attaching the Main Unit to the back cover, then remove the Main Unit.
3. Mount the back cover of the NV37MR onto the window frame or wall using screws.

**Note: PLEASE KEEP AT LEAST 4 cm / 1.5 in. clearance from window/shutter.**



An optional mounting bracket for the NV37MR is available for ordering, part number: SB35.

4. Attach the Main Unit to the back cover - ensure the locks snap closed.
5. Insert two AA batteries.
6. Set the following Detector settings according to requirements.



**Default Sensitivity level: 2**  
LED flashes green 1-3 times according to the selected level.

Figure 4 – Detector Settings

The following table displays the **Dip Switch** settings.

Table 1: DIP Switch Functionality

Dip Switch Number	Function	Mode Description
1	LED	<b>ON:</b> LED on (default) <b>OFF:</b> LED off
2	PET Immunity/ SHARP Mode	<b>ON:</b> PET Immunity mode (default) <b>OFF:</b> SHARP mode
3		For future use
4	Anti-mask	<b>ON:</b> On (default) <b>OFF:</b> Off
5	Anti-mask Sensitivity	<b>ON:</b> High (default) <b>OFF:</b> Low

7. Close the front cover and tighten the captive screw.

**Note: Do not obscure the detector's field of view.**

**Note: On MG/SP panels, the anti-masking is reported as a tamper. Tamper recognition must be enabled in panel programming. On EVO panels, it is reported as anti-masking if it is enabled in the panel programming.**

### Testing the NV37MR

Perform a **Walk-Test** to test successful installation:

1. Walk slowly across the far end of the detection range.
2. Ensure detection.

Walk test mode lasts 5 minutes after the tamper screw is closed.

### Learning the NV37MR

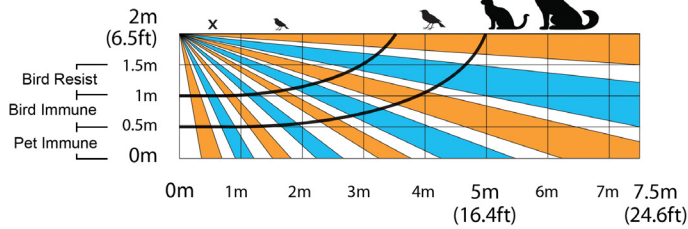
For more information on configuring the NV37MR via the panel, refer to the panel's respective programming guide.

1. Enter the appropriate section number.
2. To learn the module, loosen the captive screw until the tamper is open. After the module is learned, tighten back the captive screw.

## Beam Pattern

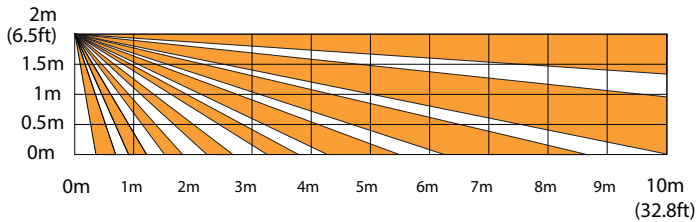
### PET Mode

SIDE VIEW:



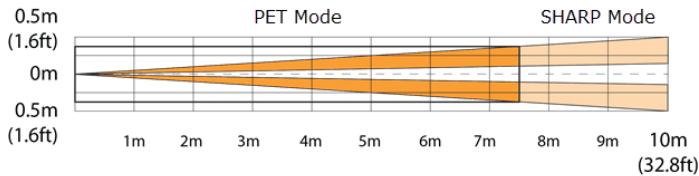
### SHARP Mode

SIDE VIEW:



### Top View

TOP VIEW:



## LED Display

Feature	LED Status Indicator
Tamper open	Green: ON for 0.3 seconds every 30 seconds
PIR sensitivity level setting	Green: Flashes 1-3 times according to the selected level
Alarm detection	Red: ON for 2 seconds Power Save mode: Red blinks
Booting/Tamper close	Green/Red alternating flashes for 30 seconds
Anti-mask detection	<b>Flashing Orange:</b> Pre-mask situation is detected. Orange LED flashes ON/OFF 3 times, every 30 seconds, for as long as anti-mask is detected.

## Technical Specifications

Model Number	NV37MR
Infrared sensor type	2 dual elements
Detection range	<ul style="list-style-type: none"> <li>PET Immunity mode: 7.5m x 2m (25 x 7 ft)</li> <li>Sharp mode: 10 x 2m (33 x 7 ft)</li> </ul>
Super Pet Immunity	Pet size approximately 50 cm
Anti-mask	Active IR detection of blocking objects and liquids sprayed on the detector from a distance of up to 7.5 cm.
Input voltage	3VDC=2 x 1.5VDC AA Alkaline batteries
Current consumption	40µA in Standby 30mA in Alarm/RF Transmitting
Battery life	3 years of typical use
Low battery voltage Signal	2.35V
Compatibility	RTX3 and Magellan systems
Outdoor protection	IP54
Operation temperature	-40°C to +70°C
Relative humidity	95% non-condensing
Tamper*	Dual - Cover and Wall
RF Frequency	433.92 MHz or 868.35 MHz
Dimensions	12.3 x 6.1 x 4.3 cm (4.8 x 2.4 x 1.7 in.)
Weight	100g / 0.2 lb
Certifications	CE, EN50131-2-2 Grade 2, Class IVA EN 50131-6 Type C Certification Body: Applicata Test & Certification <b>Note: EN performance tests were conducted on sensitivity level 3 (high).</b>

\* Tamper recognition must be enabled on panel programming.



## Warranty

For complete warranty information on this product, please refer to the Limited Warranty Statement found on the website: [www.paradox.com/terms](http://www.paradox.com/terms) or contact your local distributor. Specifications may change without prior notice.

## Patents

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