# NV35MX

## Installation Manual V1.0

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

P ▲ R ▲ D O X ™

NV35MX-EI01

## General Description

Thank you for choosing the NV35MX for your professional protection needs. The NV35MX EVO version will provide you the most advanced window and sliding door protection either in Pet Immune or Sharp mode, while programming can be done remotely via EVO bus connection. If you have any comments please write to us at Paradox.com/products/feedback.This guide describes how to install and program the NV35MX.

## Pet Recommended Installation (please read)

The NV35MX has been designed to be installed within the frame of windows and doors when installed outdoors. This will ensure the best performance against false alarms when random pets such as birds, cats and small dogs access the window sill. Other installation methods can be used with the NV35MX such as wall beam protection but if installed outside of the frame its pet immunity may be compromised.

## Installing the NV35MX

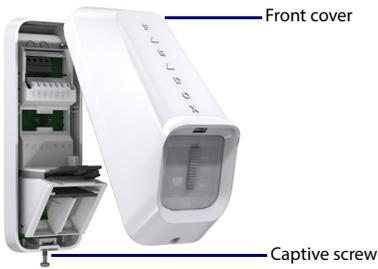1. Remove the NV35MX front cover - open the Captive screw.



**Figure 1 – Removing the Front Cover**    **Figure 2 – Main 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 as displayed below. Then remove the Main Unit.
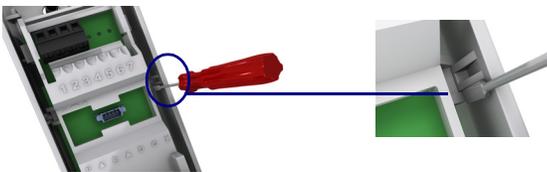


**Figure 3 – Removing the Main Unit**

3. Pull the wires from the control panel through the knockout holes and mount the back cover onto the window frame or wall using screws.
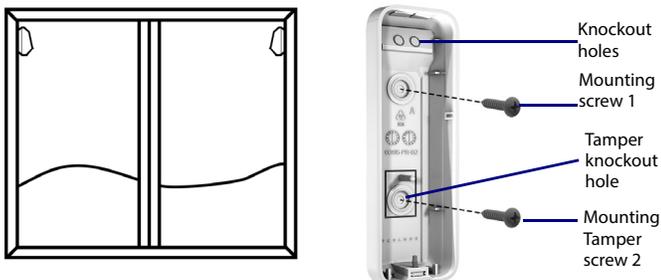


**Figure 4 – Mounting the Back Cover**

4. Attach the Main Unit to the back cover - ensure the locks snap closed.



**Figure 5 – Attaching the Main Unit**

5. Connect the wires to the terminal blocks according to the following wiring assignment.

**Table 1:  Wiring Assignment**

| Terminal Connector | Recommended Wiring Assignment | |
|---|---|---|
| | Bus Label | Wire Color |
| 1 | 12V+ | Red |
| 2 | Minus (-) | Black |
| 3 | Data | Green |
| 4 | Clock | Yellow |

6. Replace the front cover and close the Captive screw.

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

## Programming the NV35MX

Program the detector with a keypad or BabyWare software.

### Programming with a Keypad

1. Enter EVO Installer Programming Mode.
2. Enter Module Programming:
   - a   Enter section **[4003]** in the Enter Section field.
   - b   Enter the detector's 8-digit [**SERIAL NUMBER**].
   - c   Enter the 3-digit [**SECTION**] number you want to program.
3. Program required functions in section [**001**] (table 2), section [**002**] (table 3) and section [**003**] (table 4) below.

**Table 2:   Section [001]**

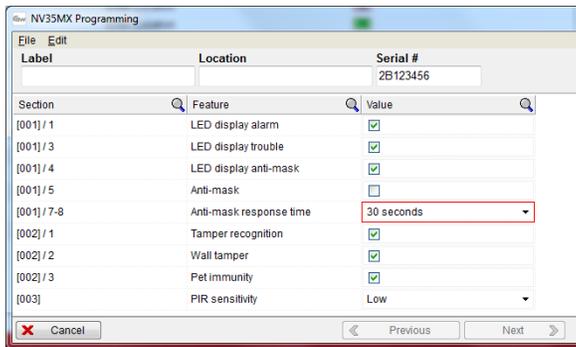| Bit | Function | Status/Description |
|---|---|---|
| [1] | LED Display Alarm | ON: Enabled **(default)** OFF: Disabled |
| [3] | LED Display Trouble | ON: Enabled **(default)** OFF: Disabled |
| [4] | LED Display Anti- Mask | ON: Enabled **(default)** OFF: Disabled |
| [5] | Anti- Mask | ON: Enabled **(default)** OFF: Disabled |

**Table 3: Section [002]**

| Bit | Function | Status/Description |
|---|---|---|
| [1] | Unit Tamper | ON: Enabled (default), OFF: Disabled |
| [2] | Wall Tamper | ON: Enabled (default), OFF: Disabled |
| [3] | PET Immunity | ON: Enabled (default) (PET Mode) OFF: Disabled (SHARP Mode) |

**Table 4: Section [003]**

| PIR Sensitivity Level | | |
|---|---|---|
| **Low**: 00 | **Normal**: 01 **(default)** | **High**: 02 |

## Programming with BabyWare

1. Open BabyWare.
2. Select the detector and set zone type.
3. Right-click on the detector to open detector Programming.



| Section | Feature | Value |
|---|---|---|
| [001] / 1 | LED display alarm | ☑ |
| [001] / 3 | LED display trouble | ☑ |
| [001] / 4 | LED display anti-mask | ☑ |
| [001] / 5 | Anti-mask | ☐ |
| [001] / 7-8 | Anti-mask response time | 30 seconds |
| [002] / 1 | Tamper recognition | ☑ |
| [002] / 2 | Wall tamper | ☑ |
| [002] / 3 | Pet immunity | ☑ |
| [003] | PIR sensitivity | Low |

4. Configure the required settings.

## Testing the NV35MX

Perform a Walk-Test to test successful installation: Walk slowly across the far end of the detection range. Ensure detection.

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

## LED Display

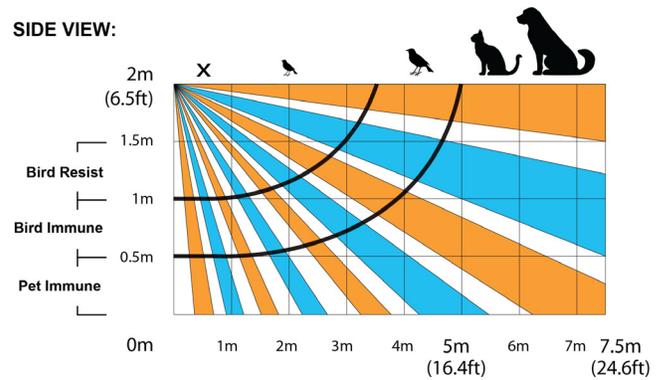| Feature | LED Status Indicator |
|---|---|
| Tamper open | Green: ON for 0.3 seconds every 30 seconds |
| PIR sensitivity level setting | Green: Flashes 1-3 times according to the selected level |
| Alarm detection | Red: ON for 2 seconds |
| Booting/Tamper close | Green/Red alternating flashes for 30 seconds |
| Anti-mask detection | Orange: Flashes ON/OFF 3 times every 60 seconds |

## Technical Specifications

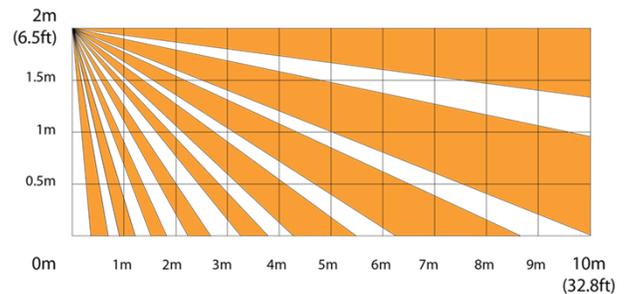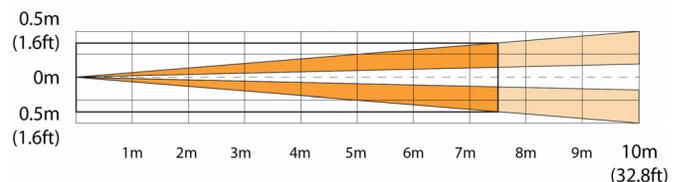| Model Number | NV35MX |
|---|---|
| Infrared Sensor type | 2 Dual elements |
| Detection range | **PET Immunity** mode: 7.5m x 2m (25 x 7 ft). **Sharp** mode: 10 x 2m (33 x 7 ft) |
| Super Pet Immunity | Pet size approximately 50cm |
| Anti- mask | Active IR detection for blocking 30cm and sprayed liquid |
| Input voltage | 10 to 15 VDC |
| Current consumption | Typical: 15mA Maximum: 19.2mA |
| Compatibility | EVO systems |
| Outdoor protection | IP54 |
| Operation temperature | -35°C to +50°C |
| Relative humidity | 95% non-condensing |
| Dimensions | 12.3 x 6.1 x 4.3 cm (4.8 x 2.4 x 1.7 in.) |
| Certifications | CE, EN50131-2-2 Grade 3, Class IV |
| Weight | 100g / 0.2 lb |

## Beam Pattern

### PET Mode



### SHARP Mode



### Top View



### PET Immunity Mode Installation