# P△R△DOX™

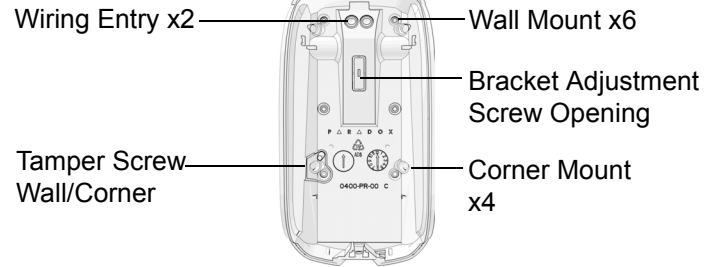## NV75M/MX

**Installation Manual V1.0**

**16 Meter Indoor Dual Mironel Optics with Anti-Mask and Pet Immunity Dual Detector**
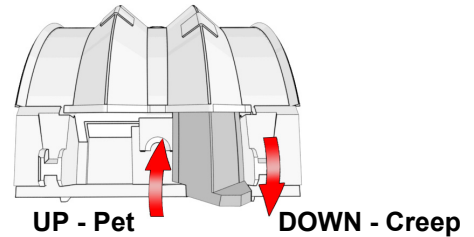
## General Description

The NV75M/MX is an indoor industry-leading detector providing superior 16 meter detection with rock solid stability thanks to the revolutionary dual Mironel Mirror/Fresnel PIR optics. Combined with Paradox true Pet Immunity and best-in-the industry active Anti-Mask technology (EN Grade 3). The NV75M/MX provides an unmatched high security solution for any indoor installation.

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### Installing the NV75M/MX (Fig. 1)

#### Please Read

**Installation Height:**

**Pet Immune ON** - 2.0m/6.6ft to 2.4m/7.8ft
**Pet Immune OFF** - 2.0m/6.6ft to 2.8m/9ft (lever down)*

**\*For installations higher than 2.6m, when needed, tilt the detector down a few degrees for best detection results; use of a bracket is recommended.**

#### Power Up (30 sec.):

Powering up the detector takes about 30 seconds, indicated with green/red flashing; indicates PIR stabilizing.

#### Anti-Mask Calibration:

Once detector is stabilized, as mentioned above, open and close the tamper to initiate. Anti-Mask calibration may take up to 60 seconds. Keep away from the detector, at least 2 meters / 6 feet during calibration, indicated by flashing green/red LED. Once completed, the detector is ready.

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### Step 1     Step 2     Step 3

NV75M

COM ALM COM TMP AM — +

Cover Tamper

(Table 1)

1 2 3

YEL GRN BLK RED   NV75MX

P△RADO
**KEEPING MY FAMILY SAFE**

PARADOX.COM

## Wall Mount

Wiring Entry x2 — Wall Mount x6
— Bracket Adjustment Screw Opening
Tamper Screw Wall/Corner — Corner Mount x4

## Bracket Mount

1   3   4   5
2

## Creep Zone/Pet Selection
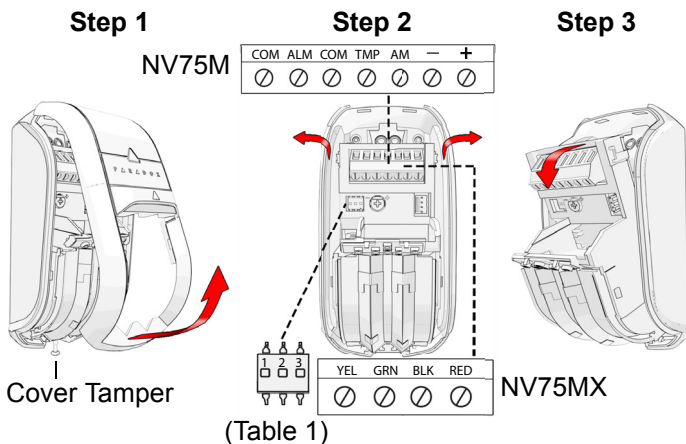
**UP - Pet**     **DOWN - Creep**

*Remove detector assembly as described in Fig. 1. When selector is UP, Pet Mode; when DOWN, Creep Zone is active and there is no Pet Immunity. **Above 2.4m Pet Immune should be OFF (lever down Pet OFF, see installation height note\*.***

## Dip Switch Settings

**Table 1**

| DIP SWITCH | OFF | ON (DEFAULT) |
|---|---|---|
| **1. LED** | OFF | **ON** |
| **2. EDGE** | DUAL | **SINGLE** |
| **3. PET IMMUNE** | OFF | **ON** |

## Sensitivity Settings

11m*
9m — 13m
7m — 16m
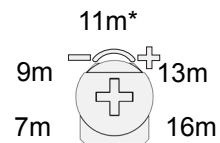
## LED Display

| Feature | LED Status Indicator |
|---|---|
| Tamper open | Green: ON for 0.3 seconds every 30 seconds |
| PIR sensitivity level setting | Green: Flashes 1-5 times according to the selected level |
| Alarm detection | Red: ON for 3 seconds |
| Booting/Tamper close | Green/Red alternating flashes for 45 seconds |
| Anti-mask detection | Flashes orange rapidly (pre-alarm state) and then constant orange when in alarm. |

## Programming the NV75MX via Keypad or BabyWare

### Via Keypad

1. Enter EVO Installer Programming Mode, programming section **4003**.

2. Enter the detector's 8-digit **Serial Number**. Enter the 3-digit Section as per Table 2.

**Table 2**

**Section [001]**:

| Bit | Function | Status/Description |
|-----|----------|--------------------|
| [1] | LED | ON: LED **ON** (default) OFF: LED **OFF** |

**Section [002]**:

| Bit | Function | Status/Description |
|-----|----------|--------------------|
| [3] | Pet Immune | ON: PET ON (default) OFF: **Pet OFF** |
| [4] | Edge | ON: **Single** (default) OFF: **Dual** |

**Section [003]: 000** (Low) to **004** (Max)

### Via BabyWare

1. Double-click the serial number of the NV75MX to open the detector's programming.
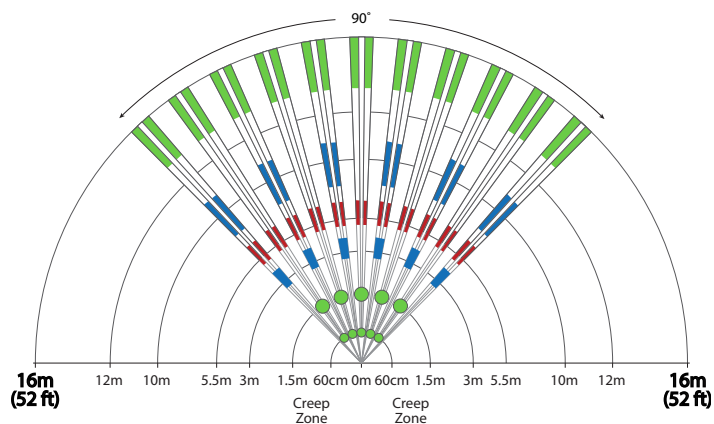2. Configure the required settings.

## Technical Specifications

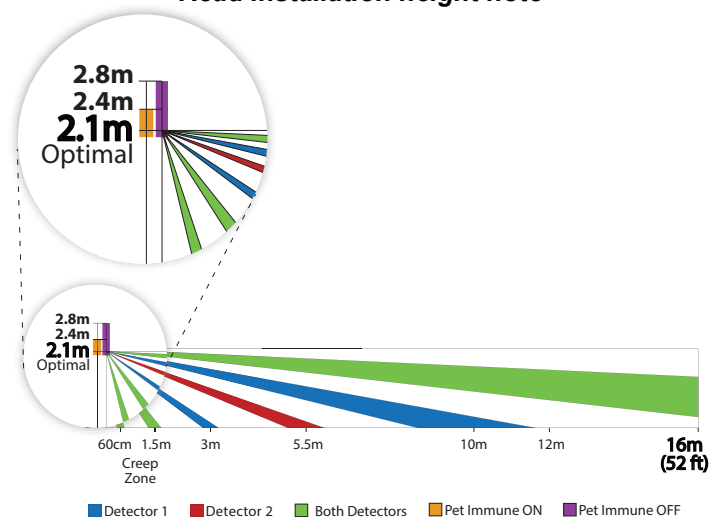| Specification | Description |
|---------------|-------------|
| IR Movement Detection | 2 detectors, 2 dual element sensors, 2 Mironel Optics |
| Optics | Two Mironel Mirror/W Fresnel optics with mechanical Pet / Creep Zone |
| Coverage | 16 meters/52 feet; 90° - complies with EN50131-2-2 Grade 3 |
| Anti-Masking | Active IR with Dual detectors, blocking items up to 30cm and lens applied materials including clear lacquer; meets and exceeds EN50131-2-2 Grade 3. |
| Pet Immunity | Pet up to 50cm will not be detected |
| Single/Dual Edge | Infrared detection requires entry or exit in single-mode; in Dual-edge, entry and exit is required for both detectors |
| Creep Zone | Mechanically selectable Creep Zone detection 1.5m/4ft. (cancels Pet Immunity when active) |
| Power - Wired Models | NV75M/NV75MX 23mA |
| Operating Temperature | -35º to 50º C (-31º to 122º F) |
| Relative humidity | 95% non-condensing |
| Tamper* | Dual - Cover and Wall |
| Dimensions | 128 x 62 x 54 mm/ 5.1 x 2.4 x2.1 in |
| Weight | 120 gr/ 0.3 lb |
| Certifications | CE, EN50131-2-2 Grade 3, Class II |

*\* Tamper must be enabled on SP panels for NV75M.*

## Beam Patterns

### Top View



### Side View
*\* Read installation height note\**



■ Detector 1  ■ Detector 2  ■ Both Detectors  ■ Pet Immune ON  ■ Pet Immune OFF