# PARADOX

# NV75MR

## Installation Manual V1.0

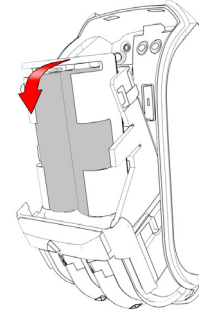### Wireless
### 16 Meter Indoor Dual
### Mironel Optics, Anti-Mask,
### Pet Immunity Dual Detector

## General Description

The NV75MR is an indoor industry-leading wireless 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 NV75MR provides an unmatched high security solution for any indoor installation.

## Please Read

### Installing the NV75MR (Step 1)

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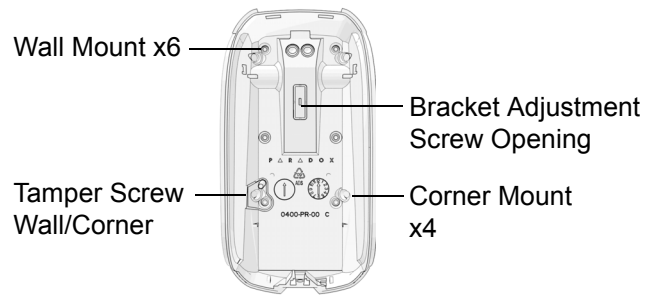
#### Power Up (30 sec.):

Powering up the detector takes about 30 seconds, indicated with green/red flashing; indicates PIR stabilizing.
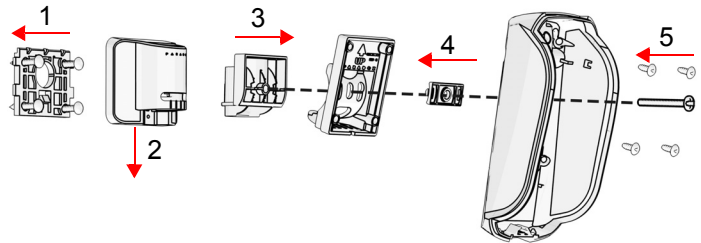
#### Anti-Mask Calibration:

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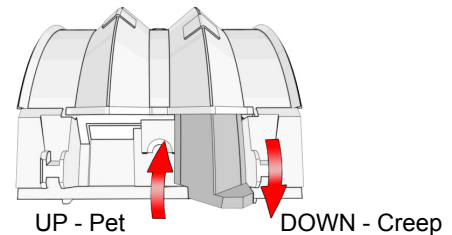
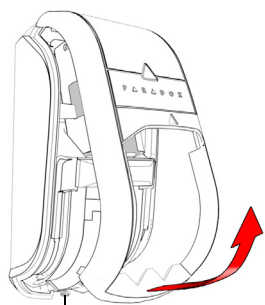*Note*: Do not block the detector's field of view.

## Step 1



Cover Tamper

## Step 2

Battery Tab

OFF   ON

DIP Switch
(Table 1)

11m
9m —+— 13m
7m      16m

PIR
SENSITIVITY

Table 1

| | OFF | ON |
|---|---|---|
| **1 - LED** | OFF | **ON** |
| **2 - EDGE** | DUAL | **SINGLE** |
| **3 - PET IMM.** | OFF | **ON** |
| **4 - MHz** | 868 MHz | **433 MHz** |

**Step 3**



Wall Mount

Wall Mount x6

Bracket Adjustment Screw Opening

Tamper Screw Wall/Corner

Corner Mount x4

Bracket Mount



1    3    4    5
2

*Note: Use of a bracket reduces the detector's security grade to 1.*

## Creep Zone/Pet Selection
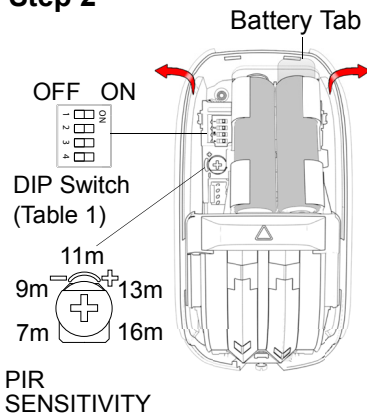


UP - Pet          DOWN - Creep

Remove detector assembly as described in Step 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*.**
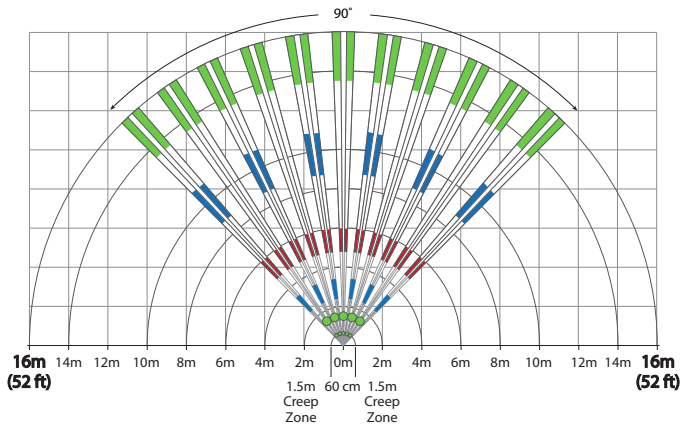
## LED Display

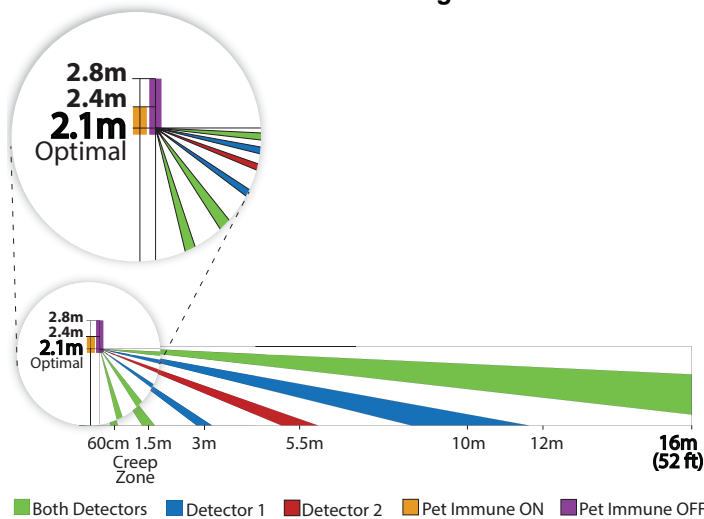| Feature | LED Status Indicator |
|---|---|
| Tamper open | Green: ON for 0.3 seconds every 30 seconds |
| PIR sensitivity level setting | Green: Flashes 1-5 times according to the selected level |
| Alarm detection | Red: ON for 3 seconds |
| Booting/Tamper close | Green/Red alternating flashes for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

## Beam Patterns

Top View



16m (52 ft)  14m 12m 10m 8m 6m 4m 2m 0m 2m 4m 6m 8m 10m 12m 14m  16m (52 ft)

1.5m Creep Zone   60 cm   1.5m Creep Zone

Side View

*Read installation height note*



2.8m
2.4m
2.1m Optimal

60cm 1.5m  3m  5.5m  10m  12m  16m (52 ft)
Creep Zone

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

## 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 Input | 2 x 1.5 AA Alkaline batteries, up to 3 years for normal use with Active Anti-Mask detection |
| Current Consumption | Standby: 158uA, Max.: 18.3mA |
| Low Battery | 2.2V |
| Frequency | 433 or 868 MHz, internally selectable |
| 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<br>160 gr / 0.4 lb (with batteries) |
| Certifications | CE, EN50131-2-2 Grade 2, Class II, EN 50131-6 Type C |

**FCC and Industry Canada Compliance Statement**

This device complies with FCC Rules Part 15 and with Industry Canada license exempt RSS standard(s). Operation is subject to two conditions:

1.This device may not cause harmful interference

2.This device must accept any interference that may be received or that may cause undesired operation.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions

suivantes :

1.l'appareil ne doit pas produire de brouillage, et

2.l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC ID: KDYNV75MR

IC: 2438A-NV75MR

**FCC WARNING**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide

reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference

to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television

reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Paradox Security Systems Ltd.) could void the user's

authority to operate the equipment.