

P ▲ R ▲ D O X™

# NV75MW

## Installation Manual V1.0

**16 Meter Indoor Microwave  
Dual Mironel Optics, Anti-Mask,  
Pet Immunity Triple Detector**



### General Description

The NV75MW is an indoor industry-leading top of the NV75M line detector providing real 16 meter detection with rock solid stability. Paradox SeeTrue, provides high detection capabilities up to 13 meters, even at high temperature. Revolutionary dual PIR with dual Mironel Mirror/Fresnel PIR optics enables and provides top-of-the-line PIR detection. These features, combined with Paradox true Pet Immunity, Creep Zone detection, and best-in-the industry active Anti-Mask technology (EN Grade 3), provide an unmatched high security solution for any indoor installation.

### Please Read

### Installing the NV75MW

#### 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.

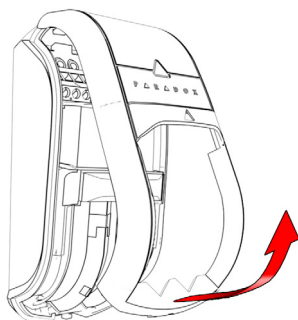
#### Power Up (30 sec.):

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

#### Anti-Mask Calibration:

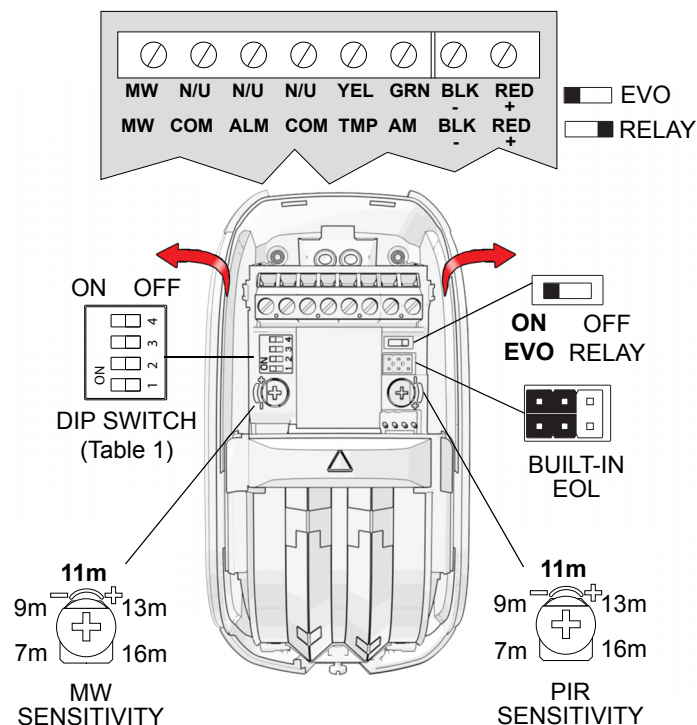
Once detector is stabilized, open and close the tamper to initiate. Anti-Mask calibration. This may take up to 60 seconds. Keep away from the detector, at least 2 meters / 6 feet during calibration, indicated by flashing green/red LED. Once completed, the detector is ready.

### Step 1



└ Cover Tamper

### Step 2



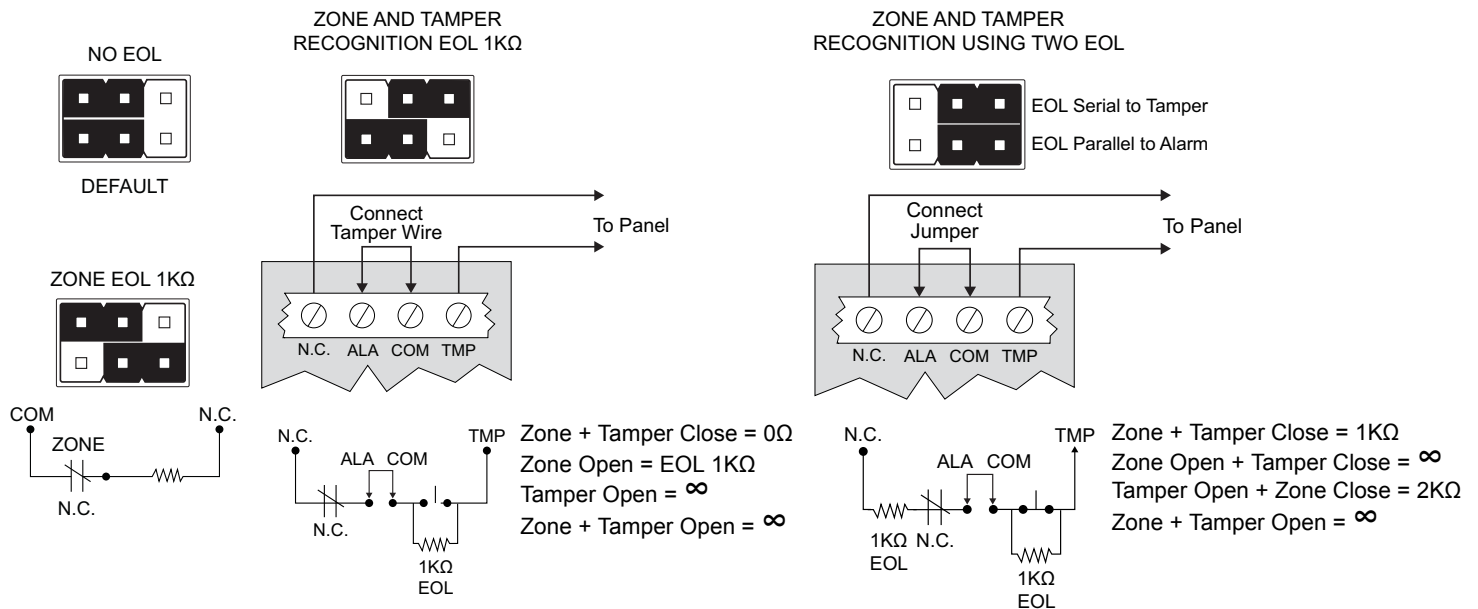
**Table 1**

<b>1. LED</b>	OFF	<b>ON</b> (default)
<b>2. EDGE</b>	DUAL	<b>SINGLE</b> (default)
<b>3. PET</b>	OFF	<b>ON</b> (default)
<b>3. SEETRUE</b>	ON	OFF
<b>4. SEETRUE</b>	Strict	<b>Soft</b> (default)

**MW Terminal Connection:** This input was designed to eliminate radiation of the detector's active Microwave when system is disarmed. When you connect a PGM following an Arm status, this will trigger ON when system is disarmed, which will shut down the microwave, and detector will detect only with PIR at this stage. When the tamper is open, the MW will resume to transmit despite the input status. Changing the status of the MW input will be indicated on the LED as follows: input changing to ON (disables MW) two purple, 2 second flashes. Input turning OFF, initiates one, 2 seconds purple.

**End of Line (EOL):** The NV75MW has built-in EOL 1K resistors. A 1Kohm in parallel to the tamper and a 1Kohm in serial to the alarm. In default, both jumpers are on the left, meaning disabled. They can be used in three configurations: 1) EOL in series to Alarm 2) EOL in parallel to Tamper, and two EOL 3) Two EOL 1Kohm in series to Alarm and 1Kohm in parallel to Tamper (recommended). See drawing and tables on the following page.

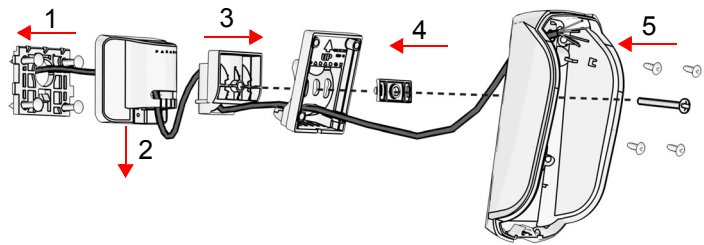




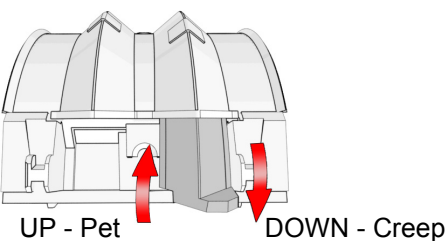
**SeeTrue** offers extended protection for areas within a 13m range from the detector. It is designed to be used in high risk, high level protected areas, where ultimate detection is required. Available are two modes; SeeTrue is active only with pet OFF.

- **Soft (default)** - Need reduced PIR confirmation to support SeeTrue detection. (SeeTrue+ reduced PIR detection)
- **Strict** - Detection can be made by the PIR/MW or Microwave SeeTrue processing alone, no object can move more than 3 meters without being detected up to 13m. Make sure no large water or sewerage pipes are within the protected area.

### Bracket Mount



### Creep Zone/Pet Selection



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\*.**

### Programming the NV75MW via Keypad or BabyWare

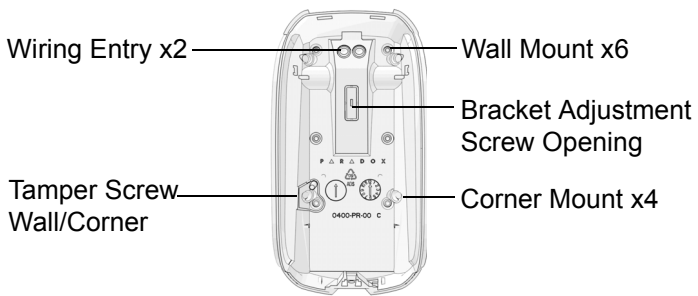
#### Via Keypad

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 1.

**Table 1 - Programming**

Section [001]:		
Bit	Function	Status/Description
[1]	LED	ON: <b>LED ON</b> (default) OFF: LED OFF

### Wall Mount



### Section [002]:

Bit	Function	Status/Description
[1]	Edge	ON: <b>Single</b> (default) OFF: Dual

### Section [003]:

Bit	Function	Status/Description
[1]	SeeTrue/ Pet	<b>PET ON</b> (default)/SeeTrue OFF SeeTrue ON/Pet OFF
[2]	SeeTrue	ON: <b>Soft</b> (default) OFF: Strict

**Section [004]:** PIR Sensitivity **000** (Low) to **005** (Max)

**Section [005]:** MW Sensitivity **000** (Low) to **005** (Max)

### Via BabyWare

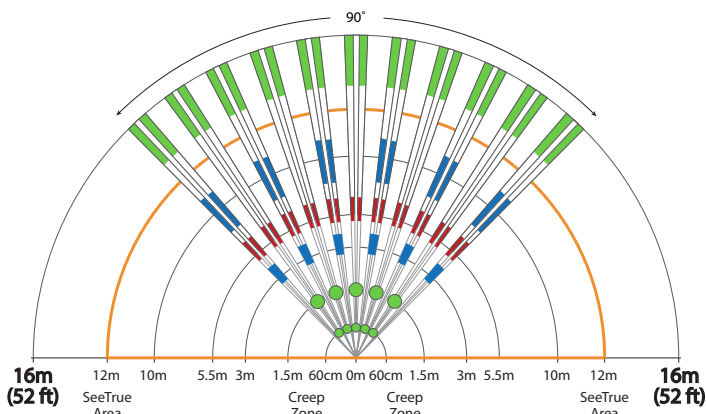
1. Double-click the serial number of the NV75MW to open the detector's programming.
2. Configure the required settings.

### LED Display

Operation	LED Status Indicator
Tamper open/close	Green: ON for 0.3 seconds every 30 seconds
PIR sensitivity level	Green: Flashes 1-5 times according to the selected sensitivity level
MW sensitivity level	Orange: Flashes 1-5 times according to the selected sensitivity level
Alarm detection	Red: ON for 3 seconds
Booting/Tamper close	Green/Red alternating flashes for 45 seconds
IR Anti-mask detection	Orange: Flashes ON/OFF in pre-alarm state; constant ON when in alarm
MW Anti-mask detection	Blue: Flashes ON/OFF in pre-alarm state; constant ON when in alarm

### Beam Patterns

#### Top View

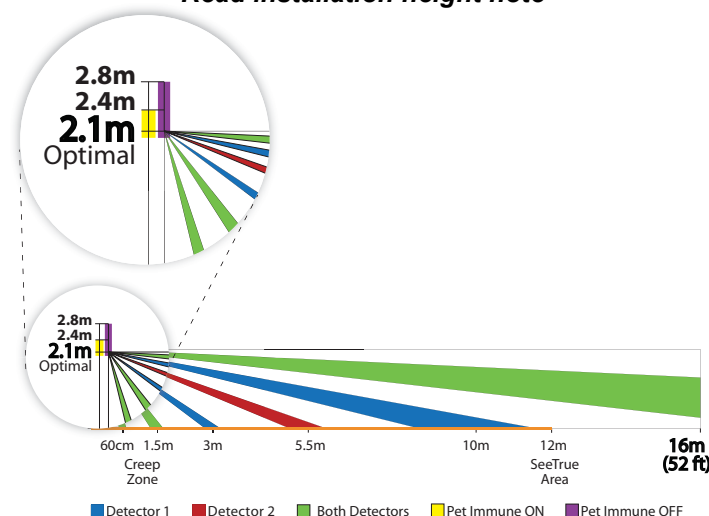


### Technical Specifications

Specification	Description
PIR Movement Detection	2 detectors, 2 dual element sensors, 2 Mironel Optics
Microwave Distance	16m
SeeTrue	12 meter range
Optics	Two Mironel Mirror/W Fresnel optics with mechanical Pet/Creep Zone
Coverage	16 meters/52 feet; 90° - complies with EN50131-2-4 Grade 3
Anti-Masking IR	Active IR with dual detectors, blocking items up to 30cm and lens applied materials including clear lacquer; meets and exceeds EN50131-2-4 Grade 3.
Anti-Masking MW	Detects close proximity movements (less than 0.75m/2.5ft) within the detector range
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	23mA
End Of Line (EOL)	Tamper and alarm
Operating Temp.	-35° to 50° C (-31° to 122° F)
Relative Humidity	95% non-condensing
Tamper	Dual - Cover and Wall
Dimensions	128 x 62 x 54 mm/5.1 x 2.4 x 2.1 in
Weight	120 gr / 0.3 lb
Certifications	CE, EN50131-2-4 Grade 3, Class II

#### Side View

*\* Read installation height note\**



### 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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