The Digital Detection ENVY Series™

NV35M

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

The NV35M series provides a superior outdoor and indoor solution for window and sliding door protection, with two operation modes: Pet Immune Mode 7.5 x 2m (25 x 7 ft) and Sharp Mode (indoor use) 10 x 2m (33 x 7 ft) with dual verification detection.

The NV35M offers a narrow beam optic pattern (0.5m at 5m / 1.6 ft at 16 ft), enabling movement in proximity to the protected door or window without false alarms.

The NV35M's robust detection, stability and high false alarm rejection are a result of the system's innovative dual detector design, Paradox Super Pet Immunity and field-proven, high security Active IR Anti-Mask detection.

For outdoor use, the NV35M series provides superior detection while rejecting small birds, cats and dogs (refer to Detector Beam Patterns) while indoors using the Sharp mode provides extended range and enhanced detection.

The Wired Solid State Relay output version and the EVO Wired version have passed EN Grade 3 with unparalleled anti-masking detection against sprayed materials, and against blocking objects that are placed up to 30 cm (11.8 in.) from the detector, while the Wireless version has passed EN Grade 2.

The NV35M series is available in three models:

NV35M: Wired, Solid State Relay output,
EN 50131-2-2 Grade 3

Key Features

▸ Pet Immune detection

▸ Anti-masking - Active IR detection for sprayed liquids and blocking items up to 30 cm

▸ Integrated creep zone detection

▸ Dual detectors controlled by Full Authority Digital Electronics Control (FADEC)

▸ Optical pet discrimination geometry to support Super Pet Immunity

▸ Dual tamper detection

▸ Wired, Solid State Relay output

▸ EN 50131-2-2 Grade 3

NV35M installed with optional bracket

anti-mask   ENVY SERIES   PET IMMUNITY®   PARADOX DIGITAL DETECTION

PARADOX™

Paradox Unparalleled Technology

Super Pet Immunity Mode / Recommended Installation

The NV35M Series features our Super Pet Immunity mode based on dual optical detection system topology with pet detection shifting. This unique capability prevents pets up to approximately 70 cm (27.6 in.) from being detected, delivering the highest quality pet immunity solution in the industry (refer to Detector Beam Patterns). The NV35M was designed to protect against random access to window sills of small pets such as birds, cats and dogs while installed within the window or door frame. Other installation methods can be used with the NV35M with Sharp mode, for example wall-beam. When installed outside of the frame, the pet immunity might be compromised (see drawing "installation methods"). Another installation option includes the Multi Pet Immunity which allows you to install the detector upside down at the installation height equal to the pet's height in order to reduce false alarms from roaming pets.
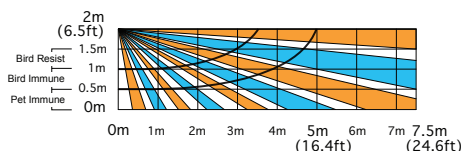
Active IR Anti-Mask

Paradox anti-masking technology raises the bar on today's market solutions with enhanced sensitivity resulting in higher reliability and accuracy. The NV35M series recognizes objects placed in close proximity to the lens (up to 30 cm / 11.8 in.), including clear wood lacquer, aluminum foil and clear adhesive tape, movement within close range of the unit and degradation of the lens by dirt or dust.
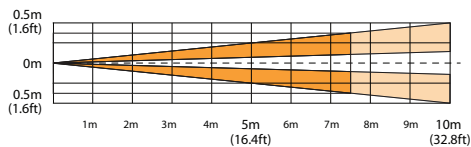
Creep Detector

The NV35M series offers integrated Creep Detection that secures the area located directly below the detector.

Technical Specifications
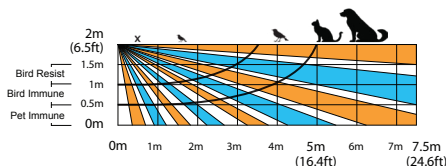
Movement Detection	2 Dual Element sensors
Coverage distance	**Super Pet Immunity Mode:** 7.5 x 2m (25 x 7 ft)
	Sharp Mode (Pet Immunity *off*): 10 x 2m (33 x 7 ft)
	Beam width: 0.5m at 5m (1.6 ft at 16 ft)
Anti-masking	Active IR detection for blocking items up to 30 cm (11.8 in.) in front of the detector and sprayed liquids
Indication	RGB status LED
Power	**Wired NV35M, NV35MX:** 12 Vdc nominal 10.0V to 15 Vdc, 20 mA
	Wireless NV35MR: • 2 x AA Alkaline batteries • Up to 3 years for typical use
RF Frequency (NV35MR)	433 or 868 MHz
Operating Temperatures	-35º to 60º C (-31º to 140º F)
Tamper	Dual - Cover and Wall
Dimensions	12.3 x 6.1 x 4.3 cm (4.8 x 2.4 x 1.7 in.)
Weight	100g / 0.2 lb
Certification	**NV35M:** EN 50131-2-2 Grade 3 Class IV

Detector Beam Patterns

PET IMMUNITY MODE SIDE VIEW:

TOP VIEW:

MULTI PET IMMUNITY SIDE VIEW:

SHARP MODE USE ONLY SIDE VIEW:
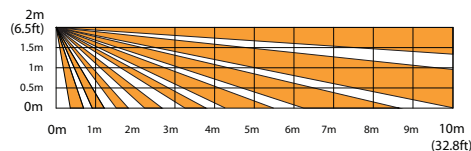
INSTALLATION METHODS:

MULTI PET

PET IMMUNE