

DS-PDD12-EG2 Dual-Tech Detector

DS-PDD12-EG2 series of dual-tech detectors are equipped with K-Band 24GHz microwave and 3D fresnel lens technology. Non-interfering technology allowing back to back installation and no penetration through the wall. It allows the detector to be installed and setup quicker than traditional DT's giving time and cost saving advantages to the installer.



Available Model

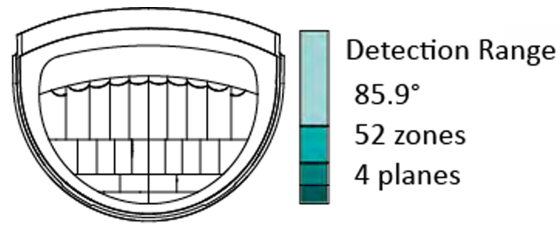
DS-PDD12-EG2

Key Features

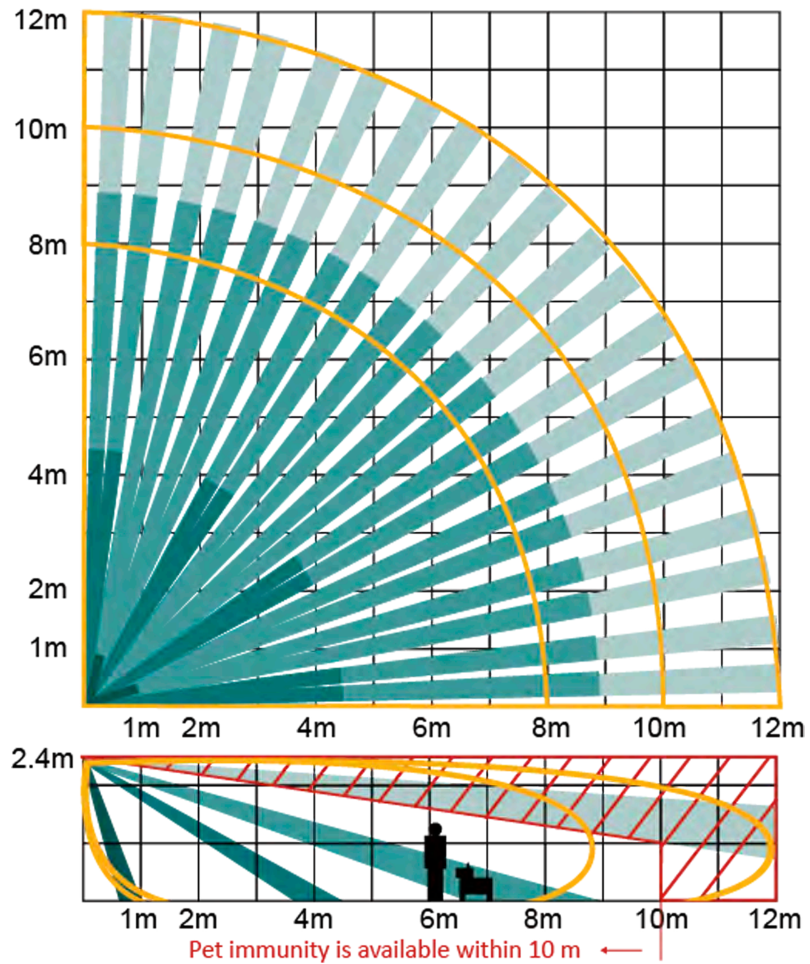
- Optional/Automatic sensitivity
- Up to 12m detection range
- Digital temperature compensation
- 52 zones of 3D optics including creep-zone protection, full coverage without dead angle
- selectable EOL resistors for alarm and tamper-proof wiring
- Sealed optics preventing insect interference
- 24G microwave
- Global certifications available (EN Grade2/CE/FCC/CB/CCC/IC/RCM)
- 9 to 16 V wide voltage adaptation with polarity reverse connection protection
- Wall/Ceiling-mounting brackets available (sold separately)
- IFT technology prevents false alarms



Lens Diagram



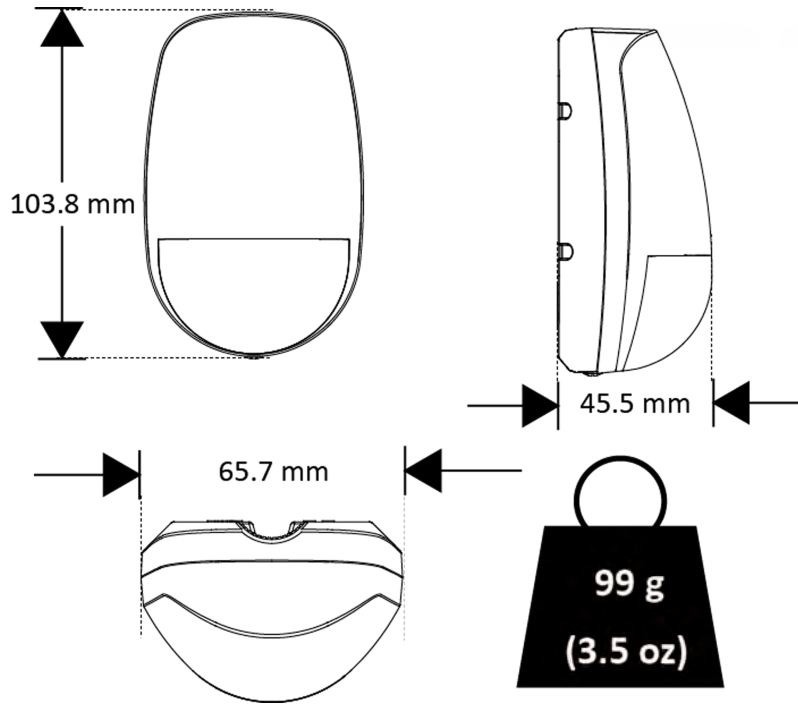
Microwave Range Control



Note:

- To use the pet immunity function, please install a pet mask.
- PET immunity is available up to 10 m and at a height that is below the top plane of view.

Installation



Dimension

Mounting Type	Schematic Diagram	Mounting Type	Schematic Diagram
Wall Mounting		Ceiling Mounting	

Specification

DS-PDD12-EG2	
Detection range	12 m, 85.9°
Detection speed	0.3 to 2 m/s
Sensitivity	High, auto, and low
Auto sensitivity	Yes
Onboard EOL	Yes
Digital temperature compensation	Yes
Technology	Digital microprocessor based
SEC technology	Yes
Sealed optics	Yes
Creep zone protection	Yes
Direct light filter	6500 lux
Tamper protection	Front
LED indicator	Green(PIR),orange(microwave), blue(alarm)
Microwave frequency	24 Ghz (24.15 Ghz to 24.25 Ghz)
AND/OR mod	AND = PIR + MW OR = PIR / MW (shouldn't be used with pets)
Pet immunity	10 kg (with optional pet mask)
Power supply	9 to 16 VDC (standard: 12 VDC)
Current consumption	17 mA quiescent; 15 mA alarm
Operating temperature	-10 °C to 55 °C (14 °F to 131 °F)
Storage temperature	-20 °C to 60 °C (-4 °F to 140 °F)
Operating humidity	10% to 90%
Installation height	1.8 m to 2.4 m
Dimension (H × W × D)	103.8 mm (4.09 ") × 65.7 mm (2.59 ") × 45.5 mm (1.79 ")
Weight	99 g (3.5 oz)
Bracket	Optional wall & ceiling accessory

Distributed by



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