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XPS3308PET

Pet Immunity PIR Motion Detector

Introduction

The PS-3308 digital motion detector combines a patent-pending circuit design, dual-optic sensor design, an interlaced pet-friendly lens pattern and advanced digital processing technologies to differentiate between people and pets while maintaining superior coverage. The lens and sensors ensure that pets do not generate the signals required for an alarm situation. Since the signal is converted, amplified and processed in the digital domain without any analogue circuitry, the parameters of the complete signal are analysed by sophisticated software algorithms and compared to a bank of movement signals. This allows the motion detector to precisely identify an alarm situation and prevent false alarms.

Pet Immunity

An object must simultaneously cross the beams of both the upper and lower sensors before a signal is determined to be a potential alarm situation. Since pets do not have the height or mass to cross the beams at the same time and generate the required signal criteria, they will not cause false alarms.

Specifications	
Model	XPS3308PET
Sensor	2 × Low noise, high sensitivity, dual opposed, dual element, rectangular beam
Processing	Digital auto pulse signal processing (2 levels), auto temperature compensation
Opposed Detection	Yes
Signature Analysis	Energy, peak, duration, width & shape
Detection Speed	0.2−7m/sec
Detected Animal Weight	40 kg
Sensitivity	2 levels adjustable
Digital Software	Yes
Digital Entry/Exit Signal Analysis	Yes
Operating Temperature	−10℃~50℃
Power Input	9−16Vdc, 15mA
Lens	Second generation Fresnel lens
Coverage	11m 900°
Metal Shield	Yes
RFI/EMI rejection	60-70V/m
Installation Height	1.1−3.1m adjustable
Zones	(11+9+5+5+3) × 2
Alarm Indication	Blue LED constant light 3 sec (can be disabled)
Alarm Output	N.C., 28Vdc 0.15A
Anti-Tamper Switch	N.C., opens when cover removed, 0.15A, 28Vdc
Operating Humidity	95.00%
Net Weight/Shipping Weight	144g/155g
Size	66×127×52mm (WxHxD)

Pet Immunity Lens :

Top View

3m 1.5m 0 1.5m 3m
(10ft) (5ft) (5ft) (10ft)

Side View

2.1m (6.8ft)

1.5m 3m 6m 9m 11m
(5ft) (10ft) (19.6ft) (29.5ft) (36ft)