

# XDL12TT-AM



## Reliable external protection

### Detection performance with easy installation

The new Tri-technology low mount XD combines Tri-Signal Detection Logic with Dual-Vision Technology to heighten detection capability and provide reliable pet immunity. Using Anti-masking (Grade 3) and Anti-blocking (Grade 4) technologies to provide a robust and secure external detector. Offering 90-degree detection when mounted at a height of 1.2m, the brand-new XD can provide a maximum range of 12m detection.

# 12 Reasons to choose



Top PIR  
Bottom PIR  
Microwave



Alarm



Anti-Masking Alarm

## 1. Tri-Signal Detection Logic

Consisting of two independent Passive Infrared (PIR) sensors and one microwave sensor in one common housing, the Tri-Technology (TT) of the XDL12TT-AM delivers advanced outdoor protection.

## 2. Dual-Vision Pet Immune

The two PIRs of the XD have a dedicated volumetric field of view. The top PIR detects outwards and up, while the bottom PIR detects outwards and down, without either crossing the central horizontal plane between them. This setup of non-overlapping PIR sensors alongside Tri-Signal Detection Logic, delivers highly secure sequential detection and increases its tolerance to pet immunity.

## 3. Anti-Masking

Tried, tested and proven with Pyronix, this is a Grade 3 Patented Technology that provides superior protection against any attempts to mask all three technologies within the detector from a variety of materials, such as: cardboard, duct tape, sprays, lacquers or aluminium foil.



Refused alarm



Auto-sensitivity



Digital Temperature compensation



## 4. Anti-Blocking

The XDL12TT-AM has been developed with Grade 4 Anti-Blocking Technology. Part of our Anti-Interference Technology, this prevents the system from being armed if there is anything blocking the field of vision of any one of the sensors within the detector. Therefore, to arm the system, whatever is blocking the technology from detecting needs to be removed first.

## 5. Anti-Sway Analytics

An advanced filter that is designed to protect against false alarm activations in environments with windy weather conditions and swaying vegetation. With Anti-Sway Analytics, the XDL12TT-AM maintains optimum levels of performance, as the digital filter allows it to distinguish between the movement of trees and plants from the movements of an intruder.

## 6. Blue Wave Technology (BWT)

Utilising advanced digital signal processing and precision optics, this technology allows the XDL12TT-AM to safeguard against false alarms and improve immunity to interference, by perfectly adapting to suit its environment:

- Digital temperature compensation
- Automatic sensitivity
- Independent Floating Thresholds (IFT)

# 12 Reasons to choose



## 7. Multi-Configuration

Not only does the XDL12TT-AM offer superior protection, but it can also be configured to do even more. As well as delivering a robust intruder detection solution, the new XD can be set up to work alongside CCTV devices for live video verification of alarms, lighting and home automation through outputs.



## 8. Weatherproof IP55

The XDL12TT-AM boasts a IP55 weatherproof rating, which means that whatever the weather, the brand-new detector is durable and reliable, with protection from dust ingress, high density rain, snow and water jets from any direction. The rubber gasket on the lens and the foam gasket on the PIR sensor seal the detector against all weather conditions and humidity.



## 9. Heavy Duty

Everything about the XDL12TT-AM has been developed for resolute reliability. Made of thick polycarbonate plastics and fully sealed optics, it is robust and protects the electronics from adverse conditions and any sabotage attempts. It has also been moulded with a stabilising material to prevent discolouration over time to maintain a stylish and uniform housing.



## 10. Adaptable Coverage

The XDL12TT-AM can provide either volumetric or curtain coverage depending on the area that needs protecting. Each lens can also be masked to restrict the coverage area. This is particularly useful in areas such as: if the premise is close to a busy road or pathway, driveways or garages, where external interferences can cause false alarms.



## 11. Flexible Installation

The XDL12TT-AM can be fitted with a range of mounting options to deliver the perfect angle and coverage pattern required. The XD is also supplied with three different frequency bands. This avoids any interference (cross-talk) that can occur when two or more detectors with the same frequency band are installed within close proximity of each other. This optimises the XD's stability and also allows it to be fitted with a fixed bracket, which enables two XDL12TT-AM's to be fitted back to back, providing 24m range with 180° volumetric coverage.



## 12. Easy Setup

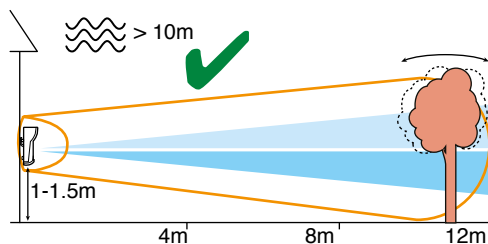
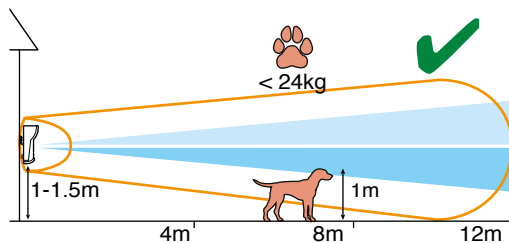
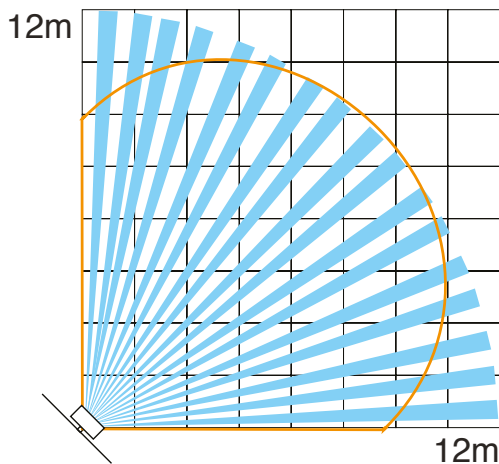
The XDL12TT-AM has been developed for maximum protection, fitted with maximum installation ease and convenience:

- Walk-test buzzer
- Status LED indication
- Adjustable PIR/MW range
- DIP Switches
- Pre-drilled cable entries
- Selectable EOL resistors

# XDL12TT-AM



Up, down & all-round external detection  
Protecting the perimeter, whatever the weather



Partcode	XDL12TT-AM
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## Detectors technical characteristics

Blue Wave technology	✓
Digi logic technology	Tri-technology
Automatic sensitivity	✓
Digital temperature compensation	✓
Dual element pyro-electric sensor	✓
DEOL resistor on board	Tamper, alarm and mask
Tamper protection	12VDC 50mA both front and rear
Intergrated walk test buzzer	✓
Separate LED indication	Top: Microwave, PIR 1 and alarm Bottom: PIR 2
Digital independent floating threshold (IFT) technology	✓
Standard temperature compensation	✓
Anti-sway analytics	✓
Casing	3mm polycarbonate, 0.4mm HDPE in lens area

## Optical, lens and detection characteristics

Maximum range	12m
Detection speed	0.25 - 2.5m/s
Coverage	85° volumetric lens, 17° curtain lens
Animal immunity	Up to 24kg 1 - 1.5m (mounting height of detector)
Detection Zones	22 (11 top, 11 bottom)
Adjustable antimasking (antispray)	0 - 1m tri-masking covering all 3 technologies
Protection	Tri-anti-masking technology IP55 rated

## Mounting

Wall mounted	Optional brackets: wall, fixed & 45D-adaptor
Optimum coverage height	1.2m

## Environmental and operating features

Storage temperature	-40°C to +80°C
Certified operating temperature	-30°C to +70°C
Physical dimensions (H x W x D)	188 x 77x 84mm (7.4" x 3" x 3.4")
Weight	300g

## Electrical & battery

Operating voltage	~9- 16VDC, 13.8VDC typically
Supply current	~25mA at 13.8VDC
Relay outputs	3 x SELV limits, 60VDC ~50mA (42.4VAC peak)
Tamper switch	12VDC 50mA both front and rear

## Certifications and warranty

Certification type	Self certified
Electrical conformity	CE
Environmental class	IV
Warranty	5 years (excluding lens)