

XDL12TT-WE



Reliable external protection

Easy to install & tough to evade

The first two-way wireless low-mounted external volumetric detector to be added to the Pyronix range. The new XDL12TT-WE delivers long range installation, multi-award-winning two-way wireless technology, heightened false alarm immunity with Dual-Vision Pet Immune detection technology, as well as a host of features that make this a superior external detector that's quick and easy to install. Offering 90° detection (install between 1-1.5m), the brand-new XDL12TT-WE can provide a maximum detection range of 12m.

www.pyronix.com

12 Reasons to choose

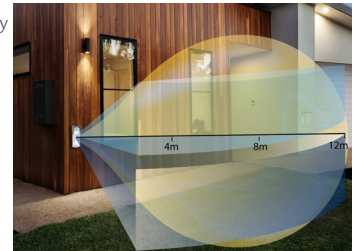
1. Secure Two-Way Wireless Technology



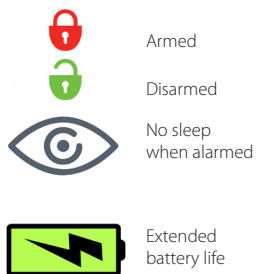
This multi-award-winning technology delivers easy installation and superior security, with full supervision, anti-jamming and 128-bit wireless protocol encryption to maximise reliability and ensure the signals transmitted by the system are protected and any code-grabbing is prevented. Each Pyronix two-way wireless device is both a transmitter and a receiver and there is also a wealth of installation benefits.

2. 1.6km Long Range

The high sensitivity receiver allows a wireless signal range of up to 1.6km in open space, which eliminates the need for repeaters and therefore reduces the installation costs. The high-sensitivity antenna of the XDL12TT-WE ensures that the signals being transmitted and received are as strong as possible. Utilising Gaussian Frequency Modulation (GFM) to spread the signal, while reducing unwanted noise and harmonics, enables the XDL12TT-WE to meet stringent European, ETSI and other worldwide standards.



3. Superior Security with Extended Battery Life Protocols



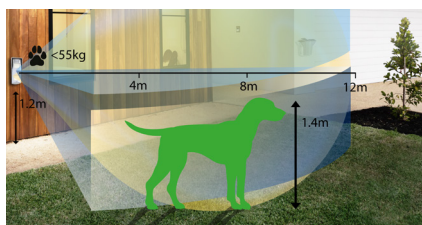
The Instant Two-Way Device Control (ITDC) of Enforcer two-way wireless technology in the XDL12TT-WE enables the instant wake-up or sleep of devices as the system is armed or disarmed. So, when the system is armed, the XDL12TT-WE is instantly and constantly awake, without any sleep timers, unlike other devices on the market. When the system is disarmed, the detector sleeps. This setup delivers enhanced security, with increased battery life.

4. Tri-Signal Detection Logic

Consisting of two independent Passive Infrared (PIR) sensors and one microwave (MW) sensor in one common housing, the Tri-Technology (TT) of the XDL12TT-WE delivers advanced outdoor protection. To identify the presence of an intruder, the XDL12TT-WE utilises Tri-Signal Detection Logic alongside TT, whereby to identify the presence of an intruder, all three sensors of the detector need to be activated sequentially in quick succession to create an alarm.



5. Dual-Vision Pet Immune



The two PIRs of the XDL12TT-WE 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.

6. 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-WE 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.



12 Reasons to choose

7. Blue Wave Technology (BWT)

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

- a. Automatic sensitivity
- b. Digital temperature compensation
- c. Independent Floating Thresholds (IFT)



Auto-sensitivity



Digital Temperature compensation

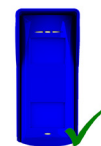
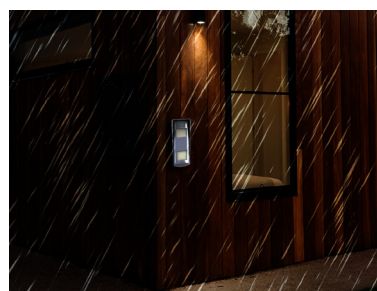


IFT



8. Weatherproof IP55

The XDL12TT-WE boasts an 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 of the detector create a sealed environment that protects the XDL12TT-WE from all weather conditions and humidity.



9. Heavy Duty



Everything about the XDL12TT-WE has been developed for resolute reliability. Made of thick polycarbonate plastics, 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-WE 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-WE can be fitted with a range of mounting options to deliver the perfect angle and coverage pattern required. The detector can be purchased in 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-WE's to be fitted back to back, which, together, provide 24m range with 180° volumetric coverage.

12. Easy Setup

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

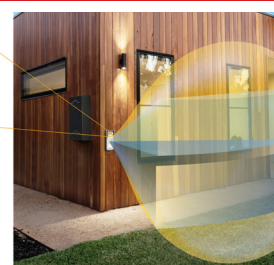
- Walk-test buzzer
- Status LED indication
- Adjustable MW range
- Adjustable PIR coverage angle
- DIP switches
- One-Push-To-Learn
- Signal Strength Indicators (SSI)

One-Push-To-Learn

Programmable DIP Switch

Walk-test Buzzer

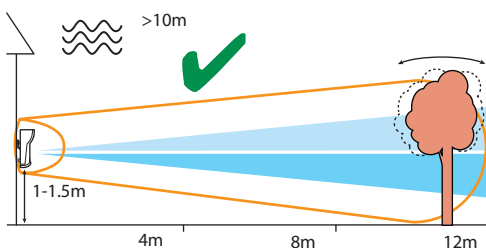
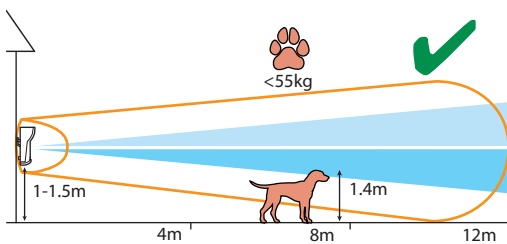
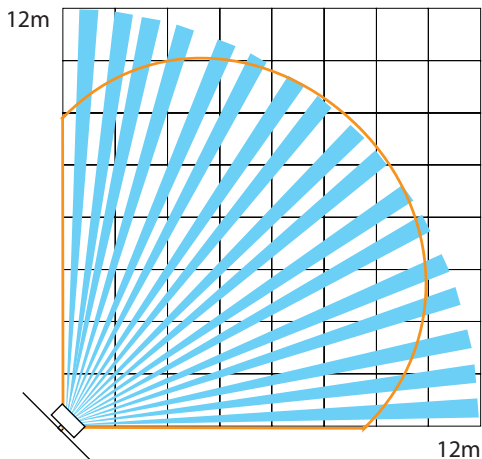
Adjustable MW Range



XDL12TT-WE



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



Partcode	XDL12TT-WE
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Detectors Technical Characteristics	
Blue Wave Technology (BWT)	✓
Digi Logic Technology	Tri-Technology
Automatic sensitivity	✓
Digital temperature compensation	✓
Dual element pyro-electric sensor	✓
Tamper protection	Front and rear
Integrated walk test buzzer	✓
Separate LED indication	Top: Microwave, PIR 1 and alarm Bottom: PIR 2
Independent Floating Threshold (IFT)	✓
Standard temperature compensation	✓
Anti-Sway Analytics	✓
Casing	3mm polycarbonate, 0.4mm HDPE in lens area

Optical, Lens & Detection Characteristics	
Maximum range	12m
Detection speed	0.25 - 2.5m/s
Coverage	85° volumetric lens, 17° curtain lens
Pet immunity	Up to 55kg 1 - 1.5m (mounting height of detector)
Detection Zones	22 (11 top, 11 bottom)
Protection	IP55 rated

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

Environmental & 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 77 x 84mm
Weight	300g

Batteries	
Type	2 x 3v 4700mAh lithium battery packs (BATT-ES1)
Lifetime	up to 2 years

Certifications and warranty	
Certification type	Self certified
Electrical conformity	CE
Environmental class	IV
Warranty	2 years (excluding lens)