

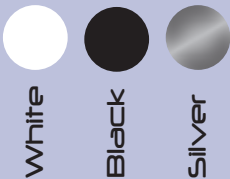
D-TECT X 50 Wireless Detector & Receiver



Combines advanced wireless technology for a 500m communication range with unique signal processing and optical systems, designed to maximise genuine event capture and minimise false alarms

D-TECT X 50 Wireless Detector - is a BS 8418 compliant, twin PIR external wireless movement Detector with a line of sight communication range of up to 500 metres, which when triggered can individually, or simultaneously, control and activate CCTV cameras, security lights, DVRs, auto-diallers and virtually any low-voltage switching device. It has a pan and tilt facility with a programmable beam range of up to 30 metres, avoiding boundary overspill.

390	D-TECT X Wireless
390S	Silver White
390T	Black White



The D-TECT X Receiver GJD392- is an IP 55 weatherproof, tamper protected, four channel unit equipped with two volt free & two negative switched outputs. It can be expanded by the addition of 3 further four channel expansion modules to allow the Receiver unit to monitor the active state of up to 16 wireless D-TECT X Movement Detectors.

D-TECT X 50

Wireless Detectors



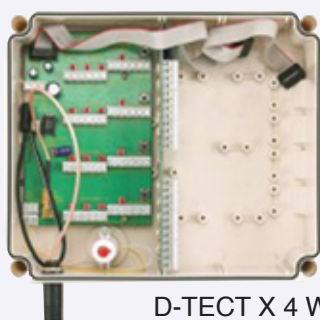
Codes

GJD520 - 500m Wireless Detector, Chrome metal case, white polyethylene cover

GJD305 - Pole mount bracket

D-TECT X

Wireless Receiver



D-TECT X 4 Way
Expander Module

Codes

GJD392 - Receiver with 4 detector module

GJD393 - Additional 4 detector expansion module

GJD394 - Wireless Signal Strength & detection tester

GJD396 - D-TECT X and signal walk tester kit



Specifications - D-TECT X 50 Detector

Transmission Range	500 metres (line of sight)
Transmission Codes	16,700,000
Beam Range Programmable	Up to 30m
Coverage	50m x 5m Lens: 6° detection angle, 50m x 5m coverage max. 50m x 10m Lens: 13° detection angle, 50m x 10m coverage max
Adjustment	180° pan + 90° tilt
Mounting Height	Variable up to 4m - optimum 3m
Fresnel Lens	50m x 5m Lens 2 main long range beams and 8 dip short beams per pyro 50m x 10m Lens: 4 main long range beams, 8 intermediate beams and 12 dip short range beams
Customised Optics	Double silicon shielded quad element eliminates 50,000 Lux of white light
Power input	3 x AA batteries or optional 12 - 24V AC/DC
Pulse Count	1 - 2
Walk Test	Output test mode using walk test signal strength detector
Operating Temp.	-20°C to + 55°C Conformally coated electronics for increased stability
Temp. Compensation	Digital sensitivity adjustment
Adjustable timer options	2 to 60 seconds
Adjustable light sensing	Dusk (2 Lux) to 24 hour
Housing	High impact zinc alloy
Protection Rating	Minimum IP 55
Dimensions	145 x 120 x 145 mm (excluding aerial)
Weight	1310g NET, 1400g GROSS

Specifications - D-TECT X Receiver

Communication Range	500 m (line of sight)
Communication Codes	16,700,000
Power Input	12 - 24V AC/DC
Indicators (per detector)	1 x LED on detection 1 x LED Tamper 1 x LED RF loss 1 x LED Low battery indication
Operating Temp.	-20°C to +55°C Conformally coated electronics for increased stability
Connections	1 x programmable socket for Detectors Expansion socket for connection to additional modules
Outputs (per Detector)	2 volt-free, silent solid state magnetically immune contacts 2 neg. switched plus one common tamper (front and rear switches) 1 RF Loss 1 Low batter
Capacity	4 detector module fitted as standard 3 slots for additional 4 channel expansion modules (total 16 detectors)
Receiver Housing	
Case	High impact, flame retardant, UV stabilized Polycarbonate
Protection Housing	Minimum IP55
Dimensions	210 x 180 x 75 mm (excluding aerial)
Weight	658g NET, 720g GROSS

For more information ...



www.gjd.co.uk



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D-TECT X 50 Detector Features

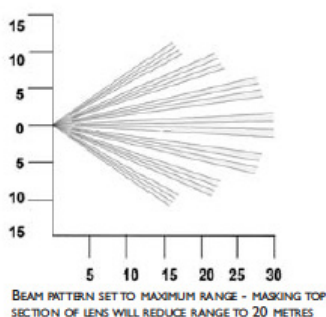
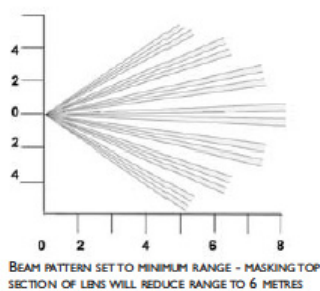


- Long range wireless operation minimises installation costs on medium to large sites and for perimeter protection.
- Aesthetically pleasing modern design incorporating advanced technological features with radically powerful capabilities.
- Transmits radio signals in one of over 16.7 million individual codes over a range of 500 metres, to the D-TECT X Receiver.
- When a Detector is triggered it transmits a signal to control and activate CCTV cameras, security lights, DVRs, autodialler's and virtually any low-voltage switching device.
- Has exceptional resistance to false alarms and a high immunity to triggers from the sun, reflections and shadows to minimise the potential for false alarms, enabling response centres to deal with genuine threats.
- The adjustable pan (180o) & tilt (90o) electronics module 1 with integral masking curtains 2, coupled with a mounting height of up to 6 metres, allows the view of D-TECT X sensor and the camera to be matched.
- The robust zinc alloy metal case is IP55 rated and fitted with front & rear tamper switches 3.
- The D-TECT X Detector can be powered by 3 x AA batteries or by an optional separate 12 - 24V AC/DC supply.

No other external wireless movement detectors have a comparable range and offer such a wide range of features to enhance the detection of threats and significantly reduce the incidence of false and nuisance alarms.

The D-TECT X range sets new standards of performance and control and is much easier and far more economical to install.

Beam Coverage



MULTI-BEAM - OPTIMUM

HEIGHT 3 METRES

RANGE MAXIMUM

MODULE TILT 0 DEGREE

MULTI-BEAM

HEIGHT 6 METRES

RANGE MAXIMUM

MODULE TILT 9 DEGREES

PET IMMUNITY

HEIGHT 1.5 METRES

RANGE MAXIMUM

MODULE TILT -2 DEGREES

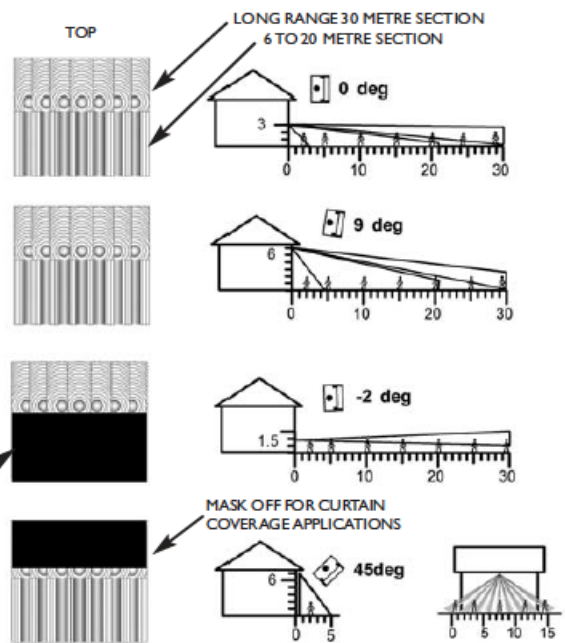
MASK OFF FOR PET ALLEY APPLICATIONS UP TO 30 METRES

CURTAIN COVERAGE

HEIGHT 6 METRES

RANGE MAXIMUM

MODULE TILT 45 DEGREES



D-TECT X Receiver Features

- The weatherproof IP55 receiver enclosure can be mounted externally or internally up to 500 metres in line of sight to the Detectors, depending on which model of D-TECT X Detectors are used on the system.

- Code recognition programming of each Detector is both rapid and simple via a plug-in connector between Detector and Receiver.

- As a system check, every one of up to 16 detectors automatically sends out a signal every 2 minutes to confirm that they are active. If a return signal is not received within 6 minutes from a registered and recognised Detector, a 'RF Loss' LED switches on and the contact is activated at the Receiver.

- A RF continuity test mode facility tests the strength of the RF signal from each Detector at the Receiver location. When it is necessary to conduct a site survey prior to installation, the Receiver can be powered up temporarily with a PP3 9 V battery.

- The D-TECT X Receiver is powered by a 12 - 24V AC/DC supply.

Expansion Modules

- The D-TECT X receiver is supplied as standard with a 4 channel module pre-installed but there are expansion slots which will accommodate up to 3 additional 4 channel modules giving a total of 16 channels - therefore the receiver is able to control and monitor up to 16 D-TECT X detectors.

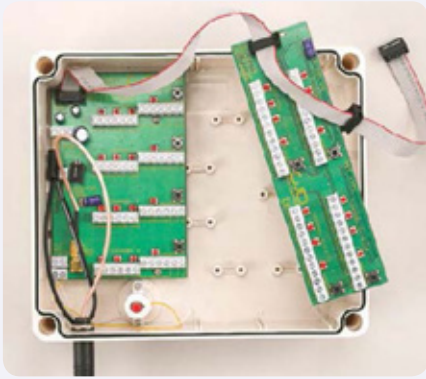
- An expansion module is connected via the ribbon connector to the circuit board of the pre-installed 4 channel module and is simply slid into the next available mounting slot in the Receiver enclosure.

- The process is repeated by connecting up further expansion modules using the next available connector on the ribbon.

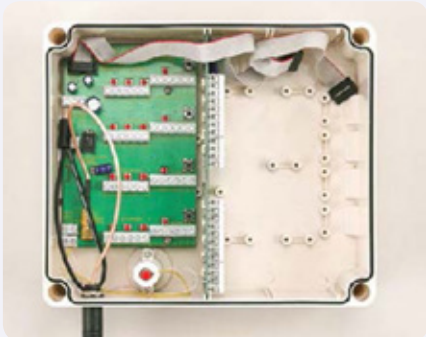
HAND HELD SIGNAL STRENGTH & RANGE WALK TESTER

- Measures signal strength from Detector at Receiver location and indicates if Detector is active by a simple walk test.

- Powered by 1 x PP3 9V battery.



Connecting on Expansion Module using the ribbon connector



Expansion Module installed in Receiver enclosure



For more information ...



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