GJD

Detect.Illuminate.Deter

Electronic Perimeter Detection &
High Performance LED Illumination

PRODUCT GUIDE

Introduction

GJD is an award winning UK manufacturer, designer and supplier of professional external detector equipment, as well as Infra-Red and White-Light LED Illuminators.

Our security solutions rapidly identify and validate genuine alerts, identify false alarm signals and optimise the call-out of responders, making our products a truly valuable asset to both people and properties in all industry sectors across the world.

We understand that security is not a 'one size fits all' approach. By listening to and working closely with our customers and partners, we are able to create security solutions to match exact requirements.

We have highly knowledgeable engineers available to carry out detailed site assessments to provide tailored presence detection, LED illumination and security lighting systems.

If you would like more information about this service, please contact your GJD Sales Manager.

Quality is everything

GJD's core competency is its ability to design, develop and manufacture innovative products by utilising the latest technology, all in-house at our site in Heywood, Greater Manchester.

A fundamental benefit of manufacturing in-house means that all of our products go through stringent testing procedures to verify the functionality, quality and reliability of finished products. All of our products are industry compliant with the latest regulations including ISO 9001:2015, CE, UL, RoHS, REACH, WEEE and BS8418.

Engineer training

Become a GJD certified installer with our comprehensive product training. Our course ensures you stay up to date with the latest GJD technology, whilst providing you with specific product expertise, installation tips and technical support.

OUR VALUES

Innovating for the future

We constantly improve our technology so people and places feel safe and secure

10% of our growth comes from successful new product development launches each year!

Responsive

We are committed to delivering a responsive, caring and reliable service to all our customers, staff, suppliers and stakeholders

Quality

First time, every time!

We strive for continuous improvement, working together to provide the best possible service and products

CONTENTS

D-TECT X MKIII

The BS8418 compliant D-TECT X range of external detectors all feature quad PIR sensor modules, stylish IP65 fully tampered housings and a discreet internal antenna.

The receiver (GJD392), can be linked in its base form to 4 detectors and this can be expanded up to 16 detectors, with the use of the GJD393 4-way expansion module.

Units accept 2 x 3 volt CR123 batteries, 500m RF transmission range on 868MHz and individual code for pairing to the receiver.

Due to the number of individual detector codes, (in excess of 16M), multiple receivers can be used on any site.

D-TECT X Receiver

The D-TECT X Receiver is an IP55 weatherproof, tamper protected, four channel unit. Fully equipped with two volt free and two negative switched outputs per channel.
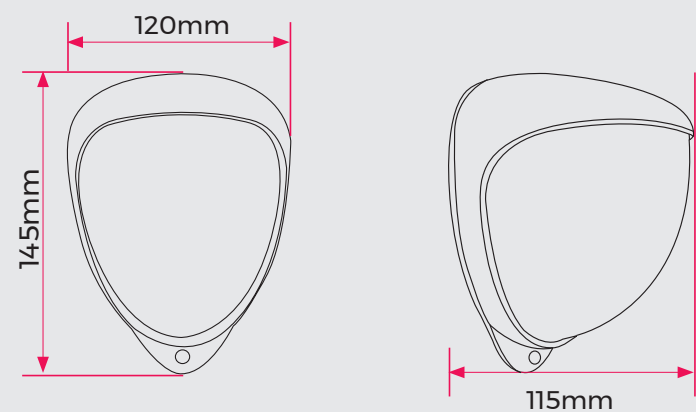
It can be expanded by the addition of up to 3 four channel expansion modules, to allow the receiver unit to monitor the active state of up to 16 wireless D-TECT X movement detectors.

**Expander cards are available - GJD393**

SPECIFICATIONS

Wireless PIR detector

PRODUCT CODES
GJD430 D-TECT X MKIII 30m x 30m
GJD450 D-TECT X MKIII 50m x 10m

DETECTION RANGE	30m x 30m 50m x 10m
COVERAGE	10° to 70°
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C
ADJUSTMENT	180° pan, 90° tilt
MOUNTING HEIGHT	Up to 6m - optimum 3m
POWER INPUT	2 x CR123, 3 Volt batteries
INDICATOR LEDs	1 x Red walk test LED
OUTPUTS	Via wireless D-TECT X receiver
RADIO FREQUENCY	868MHz
COMMUNICATION RANGE	500m
CURRENT	25uA

120mm

145mm

115mm

FINISH OPTION
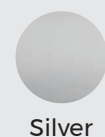
Silver

HOUSING

Zinc Alloy   ABS ✔   **65** IP

SPECIFICATIONS

Receiver

PRODUCT CODE
GJD392 D-TECT X Receiver

180mm

210mm

79mm
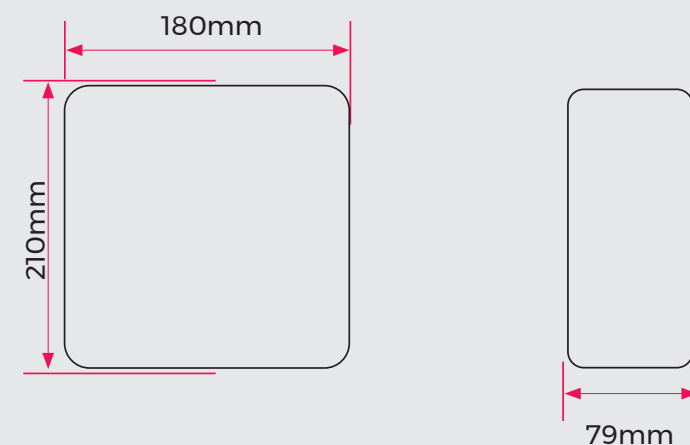
COMMUNICATION RANGE	Up to 500m (line of sight)
POWER INPUT	12 - 24V AC/DC
INDICATORS (PER DETECTOR)	1 x LED Detection 1 x LED Tamper 1 x LED RF loss 1 x LED Low battery
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
CONNECTIONS	1 x program socket for detectors. Expansion socket for connection to additional modules
CAPACITY	4 detector module fitted as standard. 3 slots for additional 4 channel expansion modules (total 16 detectors)
CASE	High impact, flame retardant, UV stabilized polycarbonate

FINISH OPTION

White

HOUSING

Zinc Alloy   PC ✔   **55** IP

D-TECT X Repeater

The D-TECT X Repeater can be used to extend the RF range of a D-TECT X detector, or to boost signal in a poor reception area.

The D-TECT X Repeater must be placed within 500m line of sight between the D-TECT X detector(s) and D-TECT X Receiver(s).

The unit will repeat all signals from the D-TECT X detector within range and does not require any programming to function.

D-TECT Ricochet®

The D-TECT Ricochet range of external wireless detectors is integrated with Texecom Ricochet wireless mesh technology. D-TECT Ricochet units are BS8418 compliant and fitted with stylish IP65 fully tampered housings.

The range is well suited for commercial and residential security solutions. It provides seamless pairing with Texecom's Premier Elite Control panels, (firmware V2.08 and above), whilst being simple to setup and quick to install.

SPECIFICATIONS

Repeater

PRODUCT CODE
GJD397 D-TECT X Repeater
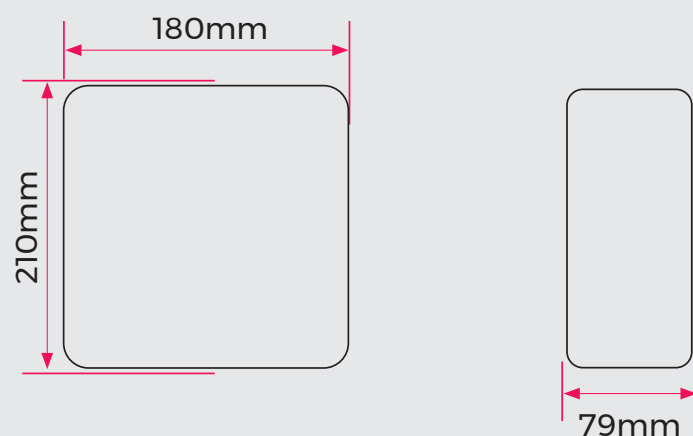
RANGE	500m (line of sight)
TAMPER SWITCHES	Front and rear tamper switches: case open and removal from wall
WIRELESS FREQUENCY	868MHz
CURRENT	23mA (12V nominal)
OPERATING TEMPERATURE	-10°C to +55°C Conformally coated electronics for increased stability
CASE	High impact, flame retardant, UV stabilised polycarbonate
PROTECTION RATING	IP55

180mm
210mm
79mm

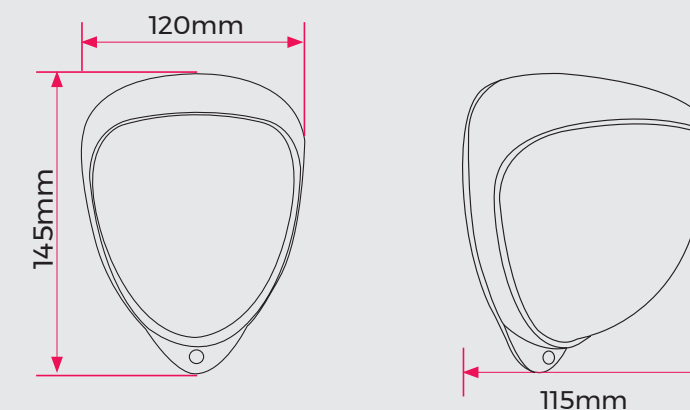**FINISH OPTION**

White

HOUSING

Zinc Alloy   PC ✔   IP **55**

SPECIFICATIONS

Ricochet enabled wireless PIR detector

PRODUCT CODES
GJD830R D-TECT Ricochet 30m
GJD850R D-TECT Ricochet 50m

DETECTION RANGE	30m x 30m 50m x 10m
COVERAGE	10° to 70°
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +50°C
ADJUSTMENT	180° pan, 90° tilt
MOUNTING HEIGHT	Up to 6m - optimum 3m
POWER INPUT	2 x CR123, 3 Volt batteries
INDICATOR LEDs	1 x Red walk test LED
OUTPUTS	Via Texecom Ricochet panel
RADIO FREQUENCY	868MHz
CURRENT	50uA

120mm
145mm
115mm

FINISH OPTION

Silver

HOUSING

Zinc Alloy   ABS   IP **65**

Opal RFX & RFX Receiever

The Opal RFX is a robust external 35m passive Infra-Red intruder detector. Designed to detect and transmit reliable event-based triggers to the weatherproof RFX-3 a 3 channel receiver (GJD017). 150m line of sight RF transmission range on 433MHz.

These combined units enable simultaneous or individual control of cameras, DVR's and virtually all low voltage switching requirements.

The ABS vandal resistant housing has a UV stabilised translucent front cover to provide additional protection to the optics.

D-TECT Universal

The Universal wireless detector is a battery powered outdoor motion detector designed to integrate with third-party wireless modules. It uses two independent passive Infra-Red detectors, both of which must trigger to cause the detector to signal an alarm.
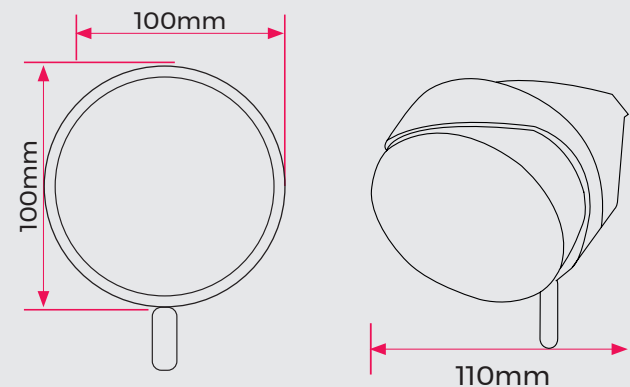
Utilising quad PIR technology, the universal PIR delivers precise, reliable presence detection.

The universal detector has three independent negative outputs to connect to third party transmitter modules.

SPECIFICATIONS

Wireless PIR detector

PRODUCT CODES
GJD017 RFX-3 Receiver
GJD018 Opal RFX

100mm
100mm
110mm

OPAL RFX		
DETECTION RANGE	10m to 35m
COVERAGE	10° to 70°
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C
ADJUSTMENT	180° pan, 90° tilt
MOUNTING HEIGHT	3m high for multibeam coverage, 6m high for curtain coverage and 1.5m with mask for pet immunity
POWER INPUT	2 x AAA batteries - alkaline
INDICATOR LEDs	1 x Red walk tester LED
OUTPUTS	Via wireless RFX-3 receiver
RADIO FREQUENCY	433.92 MHz
COMMUNICATION RANGE	150m
CURRENT	20uA

RFX-3 RECEIVER	
SUPPLY	12VDC @ 35mA nominal
OUTPUTS	3 x Volt free relay contacts Compatible with GJD lighting controllers
WALK TEST	Independent LED channel indicator

FINISH OPTION

Grey

HOUSING

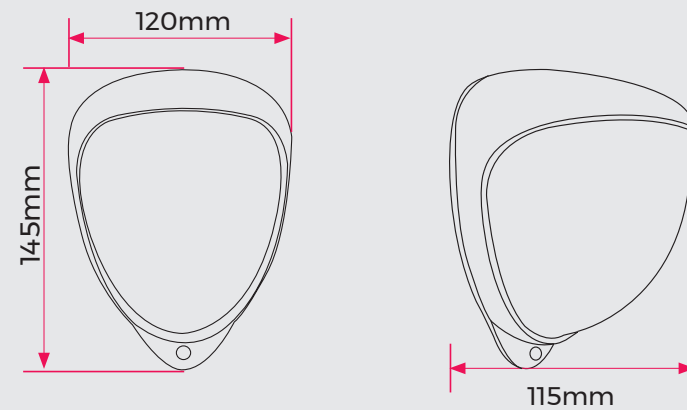| Zinc Alloy	ABS ✔	Opal RFX **55** IP	Receiver **65** IP

SPECIFICATIONS

Wireless PIR detector compatible with most 3rd party wireless transmitters

PRODUCT CODE
GJD630 D-TECT Universal

120mm
145mm
115mm

DETECTION RANGE	10m, 20m or 30m
COVERAGE	10˚ to 70˚
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20˚C to +55˚C
ADJUSTMENT	180˚ pan, 90˚ tilt
MOUNTING HEIGHT	Variable - optimum height 3m for full range
POWER INPUT	20uA without transmitter
INDICATOR LEDs	Detector alarm / programming
OUTPUTS	3 x negative switching max 25 mA
COMMUNICATION RANGE	Transmitter dependant
CURRENT	20 µA Without transmitter

FINISH OPTION

Silver

HOUSING

Zinc Alloy	ABS ✔	**65** IP
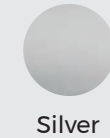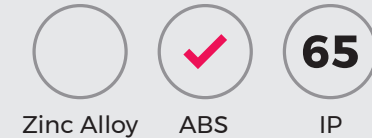
D-TECT X Dual Tech

The BS8418 compliant D-TECT X Dual Tech detector is a battery powered outdoor motion detector designed to work with GJD's D-TECT X Wireless Receiver. It features a quad PIR sensor module and microwave sensor, stylish IP65 fully tampered housings with a discreet internal antenna. Units accept 2 x 3 volt CR123 batteries, 500m RF transmission range on 868MHz and individual code for pairing to the receiver.

The D-TECT X Receiver (GJD 392) can be linked in its base form to 4 detectors and this can then be expanded up to 16 detectors, with the use of the GJD393 D-TECT X Expander Module.

Due to the number of individual detector codes (in excess of 16M), multiple receivers can be used on any site.

D-TECT Universal Dual Tech

The D-TECT Universal Dual Tech detector is a battery powered outdoor motion detector designed to integrate with third-party wireless modules. It uses a microwave and two independent passive Infra-Red detectors, all of which must trigger to cause the detector to signal an alarm.
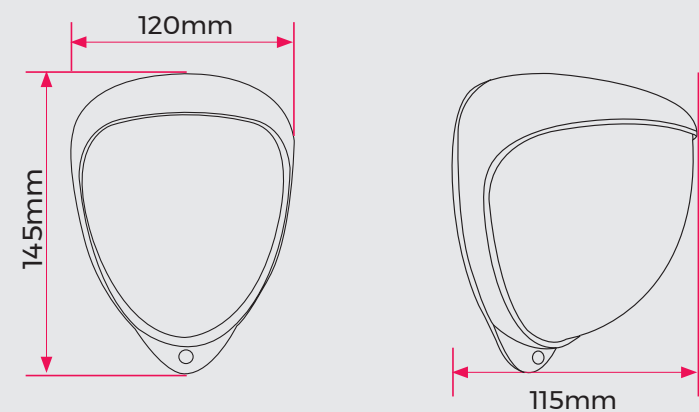
Utilising quad PIR and microwave technology, the D-TECT Universal Dual Tech detector delivers precise, reliable presence detection.

The detector is a battery powered device with three independent negative switching outputs to connect to third party transmitter modules.
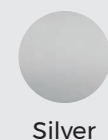

SPECIFICATIONS

Wireless PIR detector

PRODUCT CODES
GJD460 D-TECT X Dual Tech

DETECTION RANGE	15m x 15m
ADJUSTMENT	180° pan & 90° tilt
MOUNTING HEIGHT	Up to 6m - Optimum 3m
POWER INPUT	2 x CR123, 3 volt batteries*
OUTPUTS FROM GJD392 D-TECT X Receiver - Per Detector	1 N/Open Relay: 1 N/Closed Relay: Tamper; RF Loss; Low Battery
COMMUNICATION RANGE	500m Line of sight

120mm

145mm

115mm

FINISH OPTION

Silver
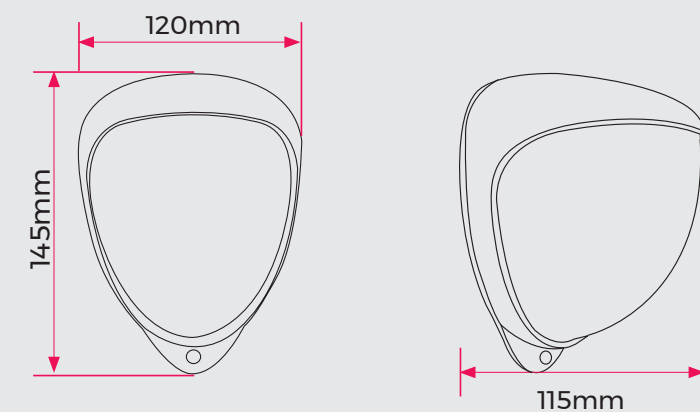
HOUSING

Zinc Alloy   ABS ✔   **65** IP

SPECIFICATIONS

Wireless PIR detector compatible with most 3rd party wireless transmitters

PRODUCT CODES
GJD660 D-TECT Universal Dual Tech

DETECTION RANGE	15m x 15m
OPERATING TEMPERATURE	-20°C to +55°C
ADJUSTMENT	180° pan & 90° tilt
MOUNTING HEIGHT	Up to 6m - Optimum 3m
POWER INPUT	2 x CR123, 3 volt batteries*
OUTPUTS	Alarm, Tamper and low battery Negative switching, selectable applied or removed
COMMUNICATION RANGE	Transmitter dependant

120mm

145mm

115mm

FINISH OPTION
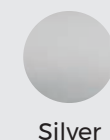
Silver

HOUSING

Zinc Alloy   ABS ✔   **65** IP

D-TECT 1

The D-TECT 1 is a BS8418 compliant, highly cost-effective twin PIR external movement detector. It can be used to control cameras, connect to alarm panels and other alarm warning devices.

Equipped with a pan and tilt dual Infra-Red scanner with two volt-free relay outputs and programmable beam ranges of 10m, 20m and 30m.
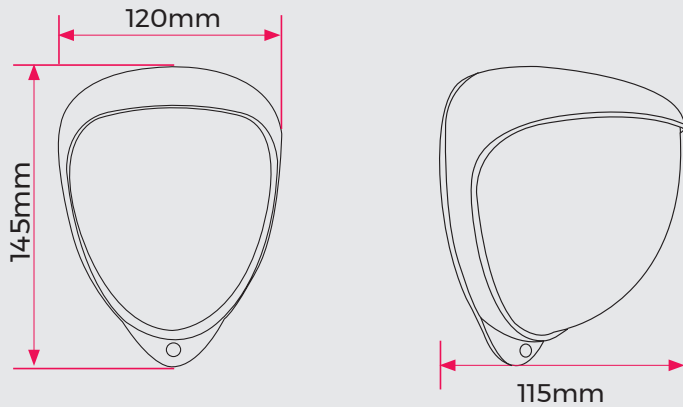
No other movement detectors are more versatile, or offer such a wide range of features to enhance the detection of threats and significantly reduce the incidence of false alarms.

*D-TECT 1 is not available in the United Kingdom

SPECIFICATIONS

Quad PIR detector

PRODUCT CODE
GJD110 D-TECT 1

DETECTION RANGE	10m, 20m or 30m
COVERAGE	10° - 70° detection angle, 30m x 30m max
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Up to 6m - optimum 3m
POWER INPUT	9-15 VDC
INDICATOR LEDs	1 x Blue LED on detection
OUTPUTS	2 x volt -free, silent solid state magnetically immune contacts

120mm

145mm

115mm

FINISH OPTIONS

Silver   White

HOUSING

✔ Zinc Alloy   ✔ ABS   **65** IP

D-TECT 2

The D-TECT 2 is a BS8418 compliant, quad element PIR external movement detector, which can be used to control cameras, connect to alarm panels and communicate with GJD's lighting control systems.

The detector's quad PIR sensing module is equipped with two volt free and two negative switched outputs. It also has a programmable beam range of up to 30m, using integral masking curtains avoiding boundary overspill and offering truly exceptional resistance to unwanted alarms.

D-TECT 3

The D-TECT 3 is a BS8418 compliant, quad element PIR and microwave external movement detector.
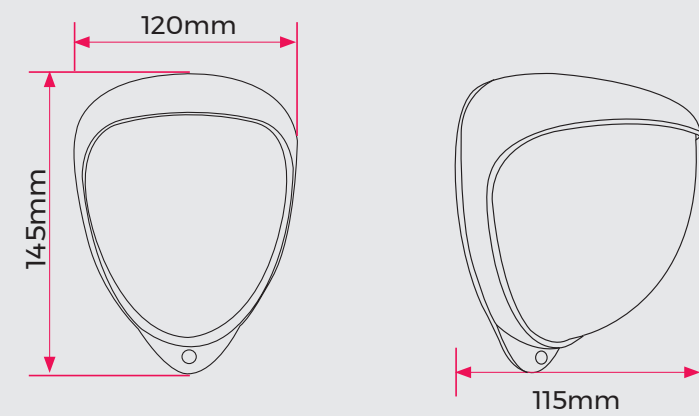
It can be used to control cameras, connect to alarm panels and communicate with GJD's lighting control systems.

The detector's triple technology sensing module ensures exceptional resistance to nuisance alarms and is equipped with two volt free and two negative switched outputs with a programmable beam range of up to 30m, avoiding boundary overspill and offering truly exceptional resistance to unwanted alarms.
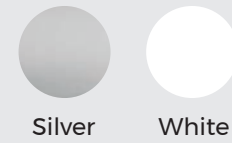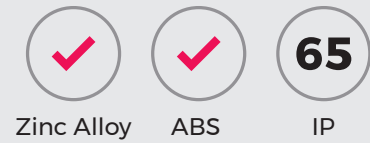
SPECIFICATIONS

Quad PIR detector

PRODUCT CODE
GJD300 D-TECT 2

120mm
145mm
115mm

DETECTION RANGE	Up to 30m programmable
COVERAGE	10° - 70° detection angle, 30m x 30m max
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Up to 6m (with range reduction) - optimum 3m
POWER INPUT	9-24 V AC/DC
INDICATOR LEDs	1 x Blue LED on detection
OUTPUTS	2 x volt-free, silent solid state magnetically immune 2 x neg. switched plus one common tamper (front and rear switches)

FINISH OPTIONS

Silver   White

HOUSING

✔ Zinc Alloy   ✔ ABS   **65** IP

SPECIFICATIONS

Quad PIR / Microwave detector

PRODUCT CODE
GJD310 D-TECT 3

120mm
145mm
115mm

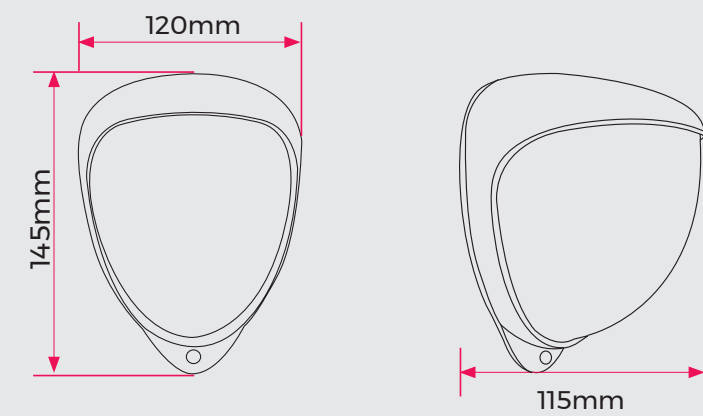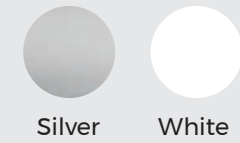| DETECTION RANGE	Up to 30m programmable
COVERAGE	10° - 70° detection angle, 30m x 30m max
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Up to 6m (with range reduction) - optimum 3m
POWER INPUT	9-24 V AC/DC
INDICATOR LEDs	3 x LEDs Green - microwave, Red - both PIRs, Blue - alarm output
OUTPUTS	2 x volt-free, silent solid state magnetically immune 2 x neg. switched plus one common tamper (front and rear switches)
MICROWAVE FREQUENCY	'X' band, Country specific

FINISH OPTIONS

Silver   White

HOUSING

✔ Zinc Alloy   ✔ ABS   **65** IP

D-TECT 50

The D-TECT 50 is a BS8418 compliant external movement detector that combines advanced signal processing and unique optical systems.

The D-TECT 50 has a programmable beam range from 25m to 50m, avoiding boundary overspill and making it particularly effective for perimeter detection.

D-TECT Dual

The D-TECT Dual is a BS8418 compliant, PIR and microwave external movement detector, which can be used for intruder monitoring, CCTV surveillance and other perimeter pre-alarm applications.

The detector's dual technology sensing module is equipped with one n/o and one n/c volt-free contact. The D-TECT Dual has a programmable beam range up to 30m. This avoids boundary overspill and offers truly exceptional resistance to unwanted alarms.

*The D-TECT Dual is not available in the United Kingdom

SPECIFICATIONS

Long range PIR detector

PRODUCT CODE
GJD350 D-TECT 50

120mm
145mm
115mm
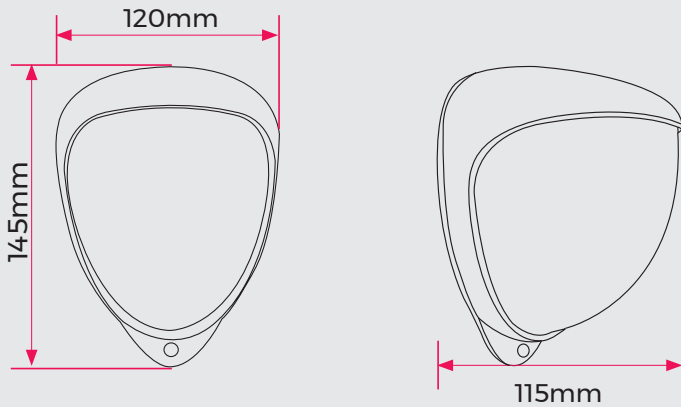
DETECTION RANGE	25m to 50m programmable
COVERAGE	Detection area 50m x 10m
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Optimum 3m
POWER INPUT	9 - 24 AC/DC
INDICATOR LEDs	1 x Blue LED on detection
OUTPUTS	2 x volt-free, silent solid state magnetically immune, 2 x neg, switched plus one common tamper (front and rear switched)

FINISH OPTIONS

Silver   White

HOUSING

✔ Zinc Alloy   ✔ ABS   **65** IP

SPECIFICATIONS

Quad PIR / Microwave detector

PRODUCT CODE
GJD360 D-TECT Dual

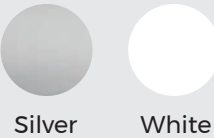120mm
145mm
115mm
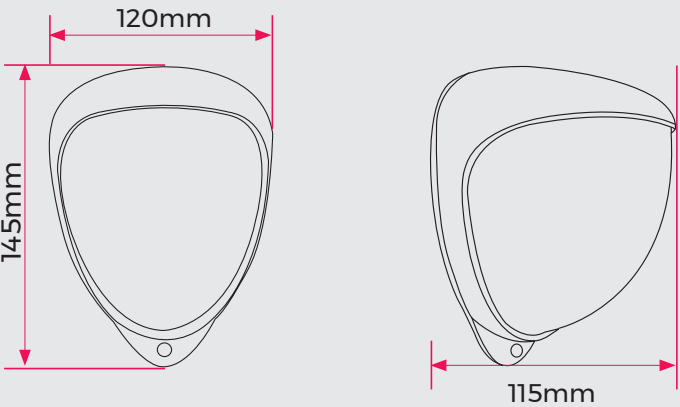
DETECTION RANGE	10m, 20m, 30m programmable
COVERAGE	10° - 70° detection angle, 30m x 30m max
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Up to 6m - optimum 3m
POWER INPUT	9-15 VDC
INDICATOR LEDs	3 x LEDs Green - microwave, Red - PIR, Blue - alarm output
OUTPUTS	2 x volt-free, silent solid state magnetically immune 1 x normally open 1 x normally closed Common normally closed front and rear tamper
MICROWAVE FREQUENCY	'X' band, country specific

FINISH OPTIONS

Silver   White

HOUSING

✔ Zinc Alloy   ✔ ABS   **65** IP
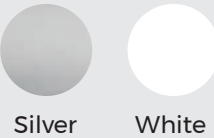
D-TECT Dual High Temperature

The D-TECT Dual High Temperature (HT) is a BS8418 compliant, PIR and microwave external movement detector, designed for use in hot and humid climates. Applications include intruder monitoring, CCTV surveillance and other perimeter pre-alarm applications.

The detector's dual technology sensing module is equipped with one n/o and one n/c volt-free contact with a programmable beam range up to 20m, avoiding boundary overspill and offering truly exceptional resistance to unwanted alarms.

*The D-TECT Dual HT is not available in the United Kingdom

D-TECT Dual AM

The D-TECT Dual Anti-Masking (AM) is a BS8418 compliant, PIR and microwave external movement detector, which can be used for intruder monitoring, CCTV surveillance and other alarm warning requirements.
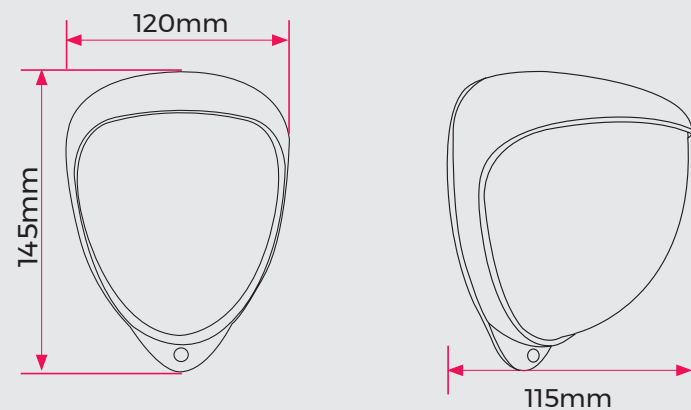
The detector's dual technology and anti-mask sensing module is equipped with one N/O and one N/C volt-free contact. It has a programmable beam range of up to 30m, avoiding boundary overspill and offering truly exceptional resistance to unwanted alarms.

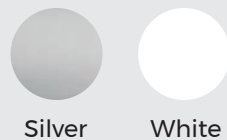***The D-TECT Dual AM is not available in the United Kingdom**

SPECIFICATIONS

> Quad PIR/Microwave high temperature detector

PRODUCT CODE
GJD362 D-TECT Dual HT

120mm
145mm
115mm

DETECTION RANGE	10m or 20m. DIP switch selectable
COVERAGE	10° - 70° detection angle, 20m x 20m max
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Up to 6m - Optimum 3m
POWER INPUT	9 to 15 VDC
INDICATOR LEDs	3 x LEDs, Green - microwave, Red - PIR, Blue - alarm output
OUTPUTS	2 x volt-free, silent solid state magnetically immune contacts 1 x normally open - 1 x normally closed Common normally closed front and rear tamper
MICROWAVE FREQUENCY	'X' band, country specific

FINISH OPTIONS

Silver   White

HOUSING

Zinc Alloy   ✔ ABS   **65** IP

SPECIFICATIONS

> Anti-Masking PIR/Microwave detector

PRODUCT CODE
GJD369 D-TECT Dual Anti-Masking

120mm
145mm
115mm

DETECTION RANGE	10m, 20m or 30m
COVERAGE	10° - 70° detection angle, 30m x 30m max
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Variable - optimum 3m
POWER INPUT	9 to 15 VDC
INDICATOR LEDs	3 x LEDs, Green-microwave, Red-both PIRs, Blue - alarm output
OUTPUTS	3 x volt-free, silent solid state magnetically immune contacts: 1 x normally open alarm, 1 x normally closed alarm, 1 x normally closed anti-masking Common normally closed front and rear tamp
MICROWAVE FREQUENCY	'X' band, country specific

FINISH OPTIONS

Silver   White

HOUSING

✔ Zinc Alloy   ABS   **65** IP
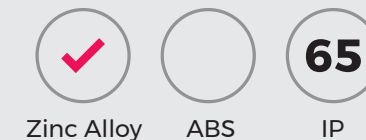
ELITE

The Elite wide angled external PIR detector offers a high level of adaptability. There are seven different modes of operation, giving various permutations of normally open and normally closed arrangements for the two volt-free relays, plus a selection of timing and functional options for the relay changeover contacts.

Other programmable parameters include the duration of timed changeover, a pulse count feature and a choice of detection ranges from 10m to 35m.

SPECIFICATIONS

PIR detector

PRODUCT CODE
GJD022 ELITE PIR

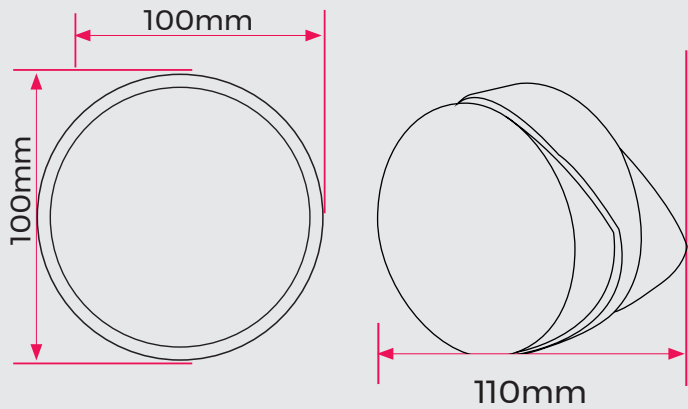|	
DETECTION RANGE	10m to 35m (adjustable) up to 750 sq m
COVERAGE	90° detection angle, 35m x 30m max
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20 to +55°C
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Variable - optimum height 3m
POWER INPUT	9 to 15VDC
INDICATOR LEDs	1 x Red LED on detection (configurable on/off) 1 x Red/Green programming LED
OUTPUTS	Silent solid state magnetically immune

100mm

100mm

110mm

FINISH OPTIONS

Burgundy   White

HOUSING

Zinc Alloy   ABS ✔   **55** IP

MX20 High Temperature

Setting a new standard in perimeter protection, GJD's MX20 high temperature (HT) outdoor detector is perfect for protecting homes and businesses. It can be connected directly to intruder alarms panels and trigger CCTV.

The MX20 HT uses GJD's advanced intruder detection software to minimise external nuisance alarms, whilst proven PIR sensing algorithms significantly enhance the capture of genuine threats.

*The MX20 High Temperature is not available in the United Kingdom

SPECIFICATIONS

Quad pyro PIR high temperature detector

PRODUCT CODE
GJD104 MX20 High Temperature
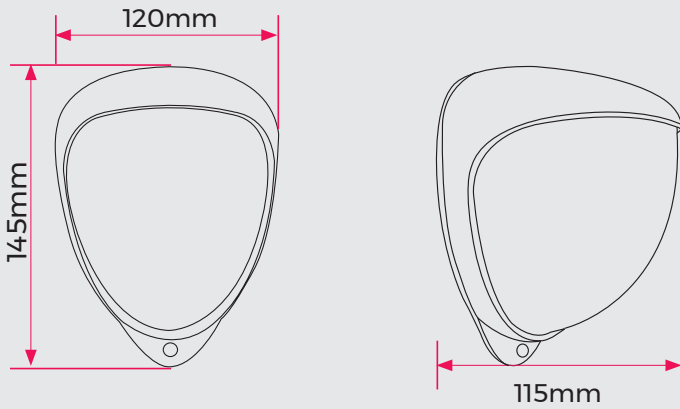
DETECTION RANGE	10m or 20m. DIP switch selectable
COVERAGE	10° - 70° detection angle, 20m x 20m max
WALK TEST	Using LED indicator
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Up to 4m - optimum 3m
POWER INPUT	9 to 15 VDC
INDICATOR LEDs	1 x Red LED on detection (configurable on/off)
OUTPUTS	1 x N/C, 1 x N/O volt free silent solid state magnetically immune 1 x common front and rear tamper N/C

120mm

145mm

115mm

FINISH OPTIONS

Silver   White

HOUSING

Zinc Alloy   ABS ✔   **55** IP

MX35

The MX35 external PIR motion detector is a reliable, low voltage passive Infra-Red detector, designed for event driven alarm and CCTV applications.

The MX35 has tamper protection to prevent vandalism, it also has an adjustable detection range from 10m to 35m.

*The MX35 is not available in the United Kingdom

Pearl

The Pearl sensor is an outdoor triple technology anti-masking curtain detector, which uses PIR and microwave sensors for triple detection.
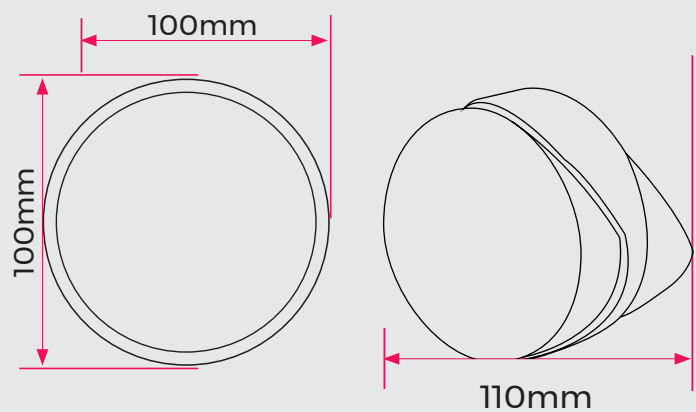
The Pearl can be positioned to look across windows, doors or the entire length of the house or property wall. It also comes equipped with anti-masking circuitry and separate output contacts.

The Pearl detector is supplied with a customisable "T" bracket for narrow beam applications protecting across a door or window. An additional swivel bracket can be purchased for applications that require a customisable pan and tilt angle.

T- Bracket - Supplied with Pearl

GJD149 - Swivel Bracket

SPECIFICATIONS

Dual PIR detector

PRODUCT CODE
GJD101 MX35 Dual PIR

DETECTION RANGE	10m - 35m
COVERAGE	90° detection angle 35m x 35m
WALK TEST	1 x Red walk test LED
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Up to 3m
POWER INPUT	9 to 15 VDC
INDICATOR LEDs	1 x Red LED on detection
OUTPUTS	1 x N/O 1 x N/C Volt Free

100mm

100mm

110mm

FINISH OPTION

White

HOUSING

Zinc Alloy | ABS ✔ | **55** IP

SPECIFICATIONS

Triple - Tech Anti-masking 'curtain beam' detector

PRODUCT CODES
GJD140 Pearl
GJD149 Swivel Bracket
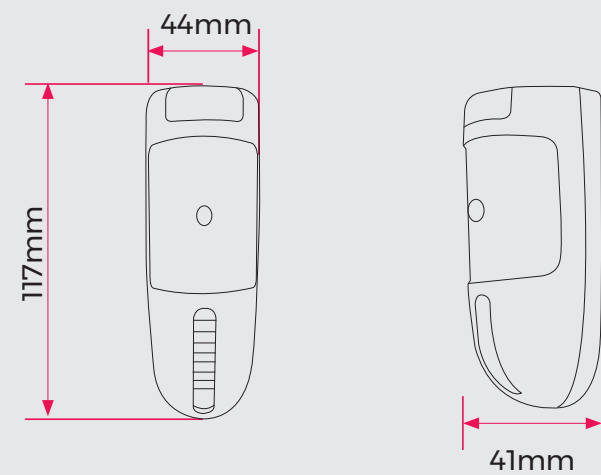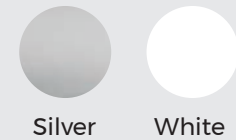
DETECTION RANGE	Selectable 3m, 6m, 9m or 12m
COVERAGE	12m x 2m
WALK TEST	Using LED indication
OPERATING TEMPERATURE	-20°C to +55°C
ADJUSTMENT	Optional swivel bracket available
MOUNTING HEIGHT	2 - 2.5m
POWER INPUT	12V +/- 3V @ max 40mA
INDICATOR LEDs	1 x Red on detection 1 x Green anti-mask
OUTPUTS	N/C Alarm, N/C Tamper and a N/C Anti-mask
MICROWAVE FREQUENCY	GJD140 10.587GHz GJD141 10.525GHz

44mm

117mm

41mm

FINISH OPTIONS

Silver | White

HOUSING
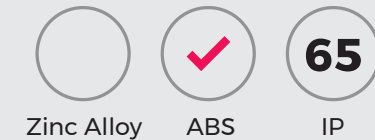
Zinc Alloy | ABS ✔ | **65** IP

D-TECT Pet Immune

The D-TECT Pet Immune only alerts to an intrusion when both PIR's and the microwave are triggered simultaneously, providing truly reliable performance and exceptional resistance to unwanted alarms.

The D-TECT Pet Immune is perfect for residential or commercial outdoor applications where pets and other animals roam free.

GJD's D-TECT Pet Immune is designed to provide reliable immunity for animals weighing up to 30kg. It also has a selectable range on the PIR and microwave up to 15m.

SPECIFICATIONS

Dual PIR Microwave detector

PRODUCT CODE

GJD370 D-TECT Pet Immune Dual PIR Microwave Detector 10.525GHz
GJD371 D-TECT Pet Immune Dual PIR Microwave Detector 10.587GHz
GJD372 D-TECT Pet Immune Dual PIR Microwave Detector 9.9GHz

120mm
145mm
115mm
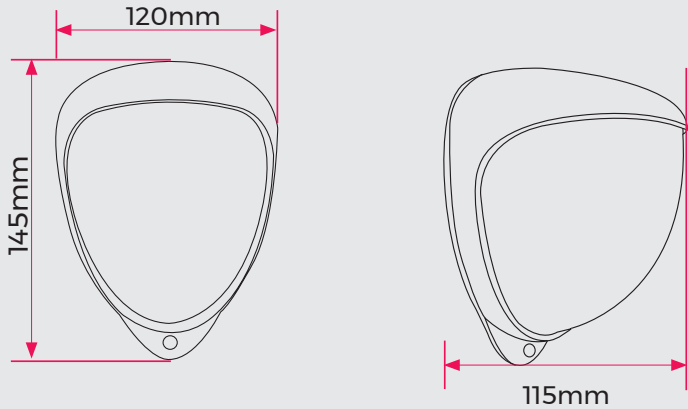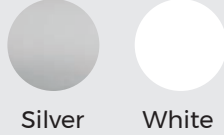
DETECTION RANGE	Up to 15m selectable
COVERAGE	10° - 70° detection angle
WALK TEST	Output test mode with LED indications
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan, 30° tilt
MOUNTING HEIGHT	Up to 1.8m
POWER INPUT	9-15 V DC
INDICATOR LEDs	1 x Red - Top PIR 1 x Green - Bottom PIR 1 x Amber - Anti-Mask 1 x Blue - Alarm
OUTPUTS	3 x volt-free, silent solid state magnetically immune, incl. common tamper (front and rear switches)
MICROWAVE FREQUENCY	**GJD370** 10.525GHz **GJD371** 10.587GHz **GJD372** 9.9GHz

FINISH OPTIONS

Silver   White

HOUSING

Zinc Alloy   ABS ✔   **66** IP

WIRED

D-TECT Laser

The D-TECT Laser is a laser based security device designed to create virtual walls, curtains and surveillance security zones. The D-TECT Laser is programmable to within 10cm and operates with the highest levels of precision for accurate and reliable intrusion detection.

APPLICATIONS
· Monitoring pedestrian and vehicle access points
· Perimeter protection and intrusion detection
· Safeguarding works of art and masterpieces
· Protection against theft and vandalism
· Securing open sites

Laser-Watch

Laser-Watch technology allows the user to monitor and locate intrusions for applications where physical fences are not desirable, possible or where enhanced security is required.

The 500m laser surveillance sensor works without reflectors and reacts in fractions of a second.
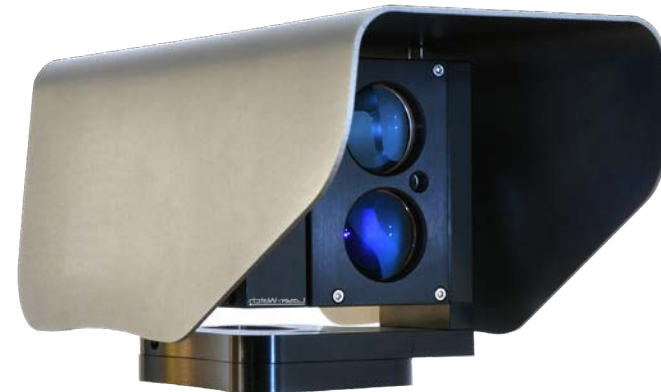
As well as intrusion detection, the Laser-Watch knows the exact position of an object.
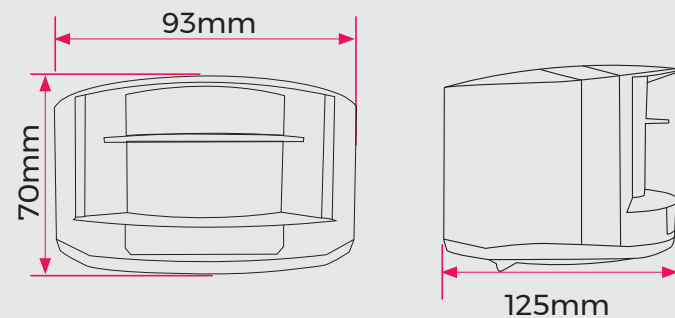
Alarm settings are extremely adaptable. For example, the sensor can be set to react only on cars in a specific lane and alarm if an object has stopped or if a door opens, whilst ignoring all over activities.

SPECIFICATIONS

Laser sensor

PRODUCT CODES
GJD500 D-TECT Laser 25m x 25m
GJD505 D-TECT Laser 5m x 5m
GJD509 D-TECT Laser 10m x 10m

93mm
70mm
125mm

DETECTION RANGE	Up to 25m
ANGULAR RESOLUTION	0.3516°
REMISSION FACTOR	>2%
TYP.MIN.TARGET SIZE	2.1cm @ 3m / 3.5cm @ 5m / 7cm @ 10m / 17.5cm @ 25m (in proportion to object distance)
RED VISIBLE LASER	Wavelength 650 nm; max. output CW power 3mW (Class 3R)
SUPPLY VOLTAGE	10-35V DC @ sensor terminal
SUPPLIED CABLE LENGTH	10m
CONSUMPTION	< 5 W Peak current at power on 1.8A (max 80mS 235V)
RESPONSE TIME	Typ. 20 ms; max. 80 ms
OUTPUT	2 electronic relays (galvanically isolated – polarity free) 35V DC / 24V AC 80mA (resistive)
ANGLES ON BRACKET	Rotation: -5° to +5° (lockable) Tilt: -3° to +3°
OPERATING TEMPERATURE	-30°C to +60°C if powered -10°C to +60°C unpowered

FINISH OPTIONS

Black   White

HOUSING

Zinc Alloy   PC/ABS ✔   **65** IP
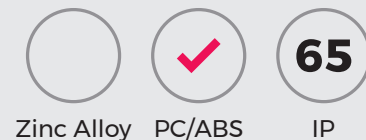
SPECIFICATIONS

Laser sensor

PRODUCT CODE
GJD515 Laser-Watch

130mm
250mm
120mm
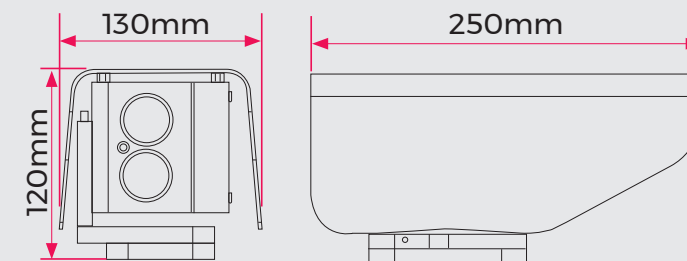
TECHNOLOGY	Time of flight
DETECTION RANGE	0 - 500m
RESOLUTION	+/- 1 dm
UPDATE RATE	250 Hz
LASER WAVELENGTH	905nm
BEAM DIVERGENCE	2.0 x 1.5 m Rad
ALIGNMENT LASER	Yes
LASER CLASS	Class 2 laser product, eye-safe
POWER SUPPLY	Power over Ethernet (48V DC) or 12 V DC
POWER CONSUMPTION	4W (PoE class 2)
OPERATING TEMPERATURE	-30°C to +60°C
INTERFACE	Ethernet IEEE 802. 3af, TCP/IP, web browser used interface
RELAY SWITCH	Max 30V 200mA, NC and NO

FINISH OPTIONS

Silver/Black

HOUSING

Anodised ✔   ABS   **66** IP
Aluminium

EXTERNAL IP DETECTORS

D-TECT 2 IP

The D-TECT 2 IP is an internet protocol connected detector that combines advanced signal processing and unique optical systems. The detection beam range can be programmed up to 30m, avoiding boundary overspill and making it particularly effective for perimeter detection.

Using Power over Ethernet and IP communication, the D-TECT 2 IP supports direct integration with all major VMS, NVR and camera systems on the market, while keeping the installation just as easy as setting up an IP camera.

SPECIFICATIONS

Internet Protocol detector

PRODUCT CODE
GJD230 D-TECT 2 IP

120mm
145mm
115mm

DETECTION RANGE	Up to 30m programmable
COVERAGE	10° - 70° detection angle, 30m x 30m max
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Optimum 3m
INDICATOR LEDs	1 x Blue LED on alarm
OUTPUTS	Two N/C Volt free relay contacts. Web interface set up required
POWER INPUT	Power over Ethernet (48V DC)
POWER CONSUMPTION	Max 3.8W, PoE class 1
ETHERNET STANDARD	Ethernet IEEE 802.3af, TCP/IP
USER INTERFACE	Web browser user interface. No software or installation needed

FINISH OPTIONS

Silver   White

HOUSING

✓ Zinc Alloy   ABS   **65** IP

SUPPORTED SOFTWARE/NVRS/CAMERAS

AXIS COMMUNICATIONS   milestone   Genetec

HIKVISION   AVIGILON   nˣ networkoptix

Hanwha Techwin Europe   alhua TECHNOLOGY   Concept Pro HD-P

EMBSEC   BOSCH   KENTIMA

qulu   MIRASYS   GRIFFID

wavestore Innovation with integrity   See Tec   LILIN

MOBOTIX   SONY   Genie

ernitec   BOSCH   Control4

RTI   LUTRON   rako

CRESTRON   URC

We are continuously testing and updating our integration, so if you miss your favourite VMS or camera please email **info@gjd.co.uk**

D-TECT 3 IP

The D-TECT 3 IP is an internet protocol connected dual tech detector that combines advanced signal processing and unique optical systems. The detection beam range can be programmed up to 30m, avoiding boundary overspill and making it particularly effective for perimeter detection.

Using Power over Ethernet and IP communication, the D-TECT 3 IP supports direct integration with all major VMS, NVR and camera systems on the market, while keeping the installation just as easy as setting up an IP camera.
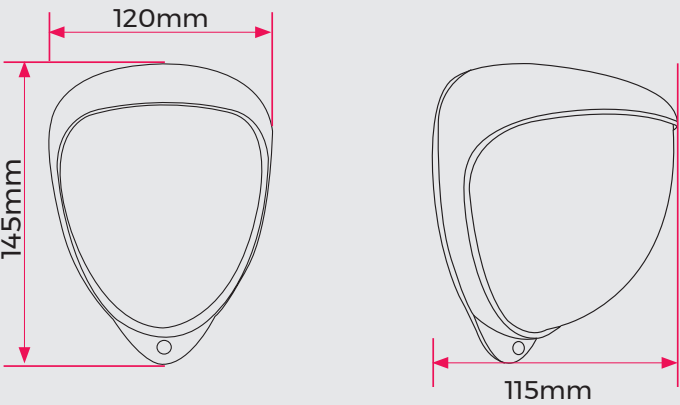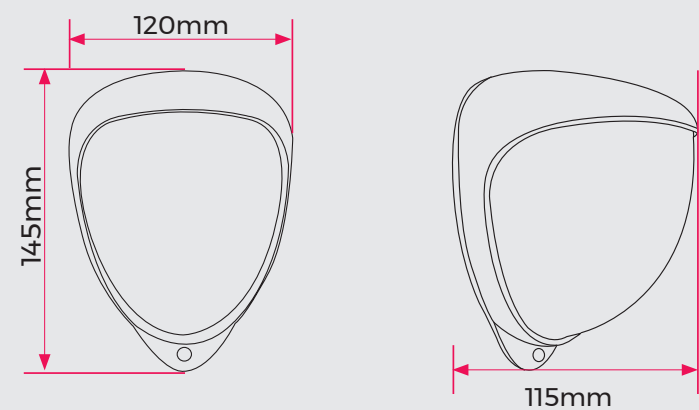
D-TECT 50 IP

The D-TECT 50 IP is an internet protocol connected detector that combines advanced signal processing and unique optical systems. The detection beam range can be programmed up to 50m, avoiding boundary overspill and making it particularly effective for perimeter detection.

Using Power over Ethernet and IP communication, the D-TECT 50 IP supports direct integration with all major VMS, NVR and camera systems on the market, while keeping the installation just as easy as setting up an IP camera.

SPECIFICATIONS

Internet Protocol detector

PRODUCT CODE
GJD260 D-TECT 3 IP

120mm
145mm
115mm

DETECTION RANGE	Up to 30m programmable
COVERAGE	10° - 70° detection angle, 30m x 30m max
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Optimum 3m
INDICATOR LEDs	1 x Blue LED on alarm 1 x Red PIR detection 1 x Green microwave detection
OUTPUTS	Two N/C Volt free relay contacts. Web interface set up required
POWER INPUT	Power over Ethernet (48VDC)
POWER CONSUMPTION	Max 3.8W, PoE class 1
ETHERNET STANDARD	Ethernet IEEE 802.3af, TCP/IP
USER INTERFACE	Web browser user interface. No software or installation needed
MICROWAVE FREQUENCY	'X' band, country specific

FINISH OPTIONS

Silver   White

HOUSING

✓ Zinc Alloy   ABS   **65** IP

SPECIFICATIONS

Internet Protocol detector

PRODUCT CODE
GJD250 D-TECT 50 IP

120mm
145mm
115mm
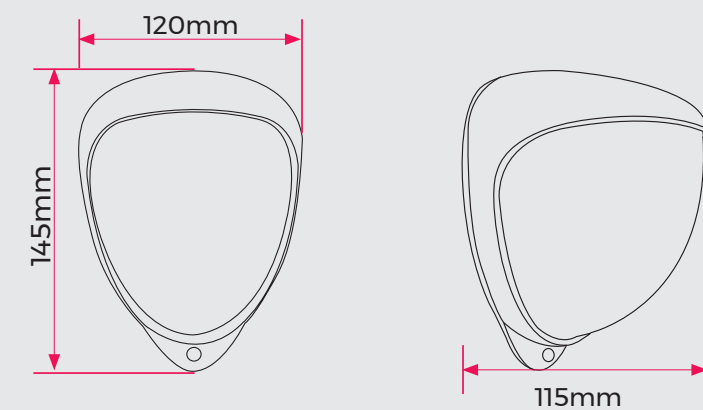
DETECTION RANGE	Up to 50m programmable
COVERAGE	50m x 10m
WALK TEST	Output test mode with LED indication
OPERATING TEMPERATURE	-20°C to +55°C Conformally coated electronics for increased stability
ADJUSTMENT	180° pan + 90° tilt
MOUNTING HEIGHT	Optimum 3m
INDICATOR LEDs	1 x Blue LED on alarm
OUTPUTS	Two N/C Volt free relay contacts. Web interface set up required
POWER INPUT	Power over Ethernet (48V DC)
POWER CONSUMPTION	Max 3.8W, PoE class 1
ETHERNET STANDARD	Ethernet IEEE 802.3af, TCP/IP
USER INTERFACE	Web browser user interface. No software or installation needed

FINISH OPTIONS

Silver   White

HOUSING

✓ Zinc Alloy   ABS   **65** IP

NETWORK Bridge

The GJD NETWORK Bridge allows any GJD IP enabled device to connect and integrate with supported third party video management software such as the Avigilon VMS.

- NETWORK Bridge supports up to 50 I/O
- Includes an intuitive web browser interface to discover GJD IP products on the same network as the NETWORK Bridge
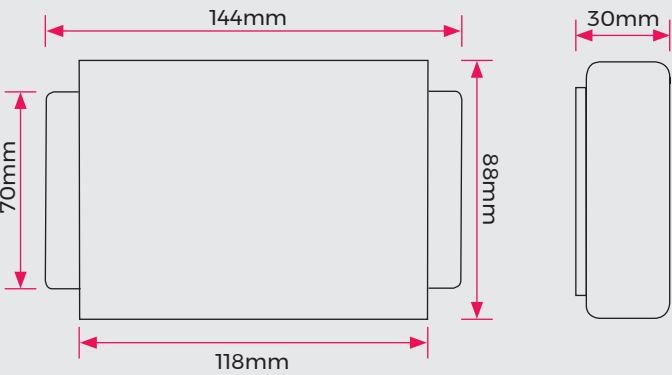- PoE or PSU connected power input

Supported Third Party Integration
Avigilon
Milestone

IPAnything Module

I/O Controller designed for IP surveillance systems. The GJD IPA is a simple yet powerful I/O controller which quickly converts any type of alarm sensor to an IP sensor.

The IPA has a 12V socket to power the sensor and four digital alarm inputs. Each input can be used to create network alarms directly to VMS, IP cameras or other network devices.

SPECIFICATIONS

Internet Protocol device

PRODUCT CODE
GJD1060 NETWORK Bridge

NETWORK BRIDGE	
PoE	802.3af up to 13W
CONSUMPTION	4-5W

POWER SUPPLY	
INPUT	AC100-240V~50/60Hz 0.8A
OUTPUT	DC 5.0V 3.0A 15.0W
CERTIFICATION	CE, UL

PRODUCT COMPATIBILITY	
D-TECT 2 IP	GJD230
D-TECT 3 IP	GJD260
D-TECT 50 IP	GJD250
Laser-Watch	GJD515
IPAnything	GJD516
Clarius IR IP	IM-8-IP / IM-9-IP
Clarius WL IP	VM-CW-IP
Clarius Hybrid IP IR/WL	HL-8-CW-IP / HL-9CW-IP

144mm
30mm
70mm
88mm
118mm

FINISH OPTIONS

Black

HOUSING

✔ Anodised Metal

SPECIFICATIONS

I/O Controller

PRODUCT CODE
GJD516 IPAnything Module
GJD519 IPAnything Module ABS

85mm
30mm
155mm
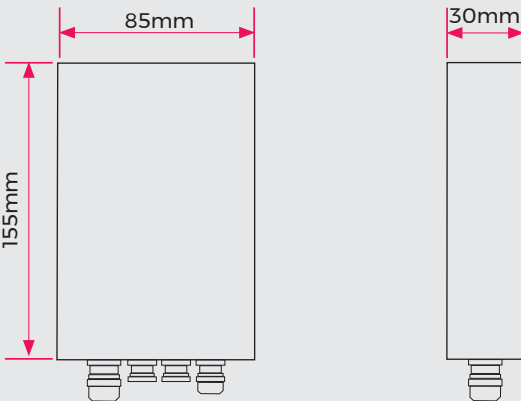
DIGITAL INPUT	4 x digital inputs, high / low / rising edge / falling edge / frequency counting
ANALOG INPUT	1 x 4-20 mA or 0-10V
ALARM OUTPUT	3 x relay. Max 30V, 200mA. N/C and N/O
POWER OUTPUT	1 x 12V DC, max 1A or 24V DC, max 0.5A
NETWORK ALARMS	User configurable HTTP web requests
POWER SUPPLY	Power over Ethernet (48V DC)
POWER CONSUMPTION	Max 12W, PoE class 3
OPERATING TEMPERATURE	- 30˚C to + 60˚C
INTERFACE	Ethernet IEEE 802.3af, TCP/IP. Web browser user interface
MOUNTING	4 x M6 (80 x 155mm), DIN-rail or mounting screws
WEIGHT	0.6Kg

FINISH OPTIONS

Black

HOUSING

✔ Zinc Alloy   ✔ ABS   **66** IP

RadioVisor Beams

ATEX Infra-Red Beam

Pulse modulated active infra-red beam for hazardous areas Zone 1 & Zone 2.

The GS100 beam set is an intelligent detector designed to be used in association with alarm annunciation equipment or other devices that provide a means of monitoring the GS100 voltage free relay alarm output, for example CCTV integration.

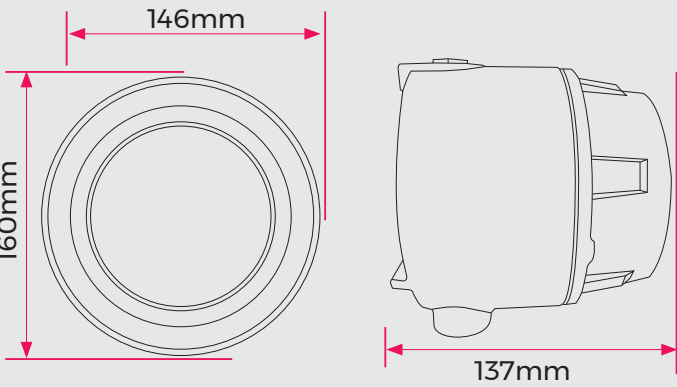The GS100 IR beam set is ATEX certified and designed for use within the petrochemical and oil sectors, as well as other similar industries where an explosion, flame , weather or dust proof housing is required.

ATEX approval
Gases: Zone 1 & Zone 2
Dusts: Zone 21 & Zone 22

SPECIFICATIONS

ATEX Infra-Red Beam

PRODUCT CODE
GS100 ATEX Infra-Red Beam

146mm

160mm

137mm

FINISH OPTIONS

White

HOUSING

✔ Aluminium Alloy

66 IP

TRANSMITTER	
PROTECTION DISTANCE	32.8ft x 328ft (10m – 100m) / with 75% attenuation
INPUT VOLTAGE	Nominally 12Vd.c Min 10.5Vd.c Max. 15Vd.c (15mA)
EFFECTIVE TRANSMITTED BEAM ANGLE	6° approximately
TAMPER OUTPUT	1 x voltage free N/C contact: Max. rating 24V 1A 30VA
HEATER CURRENT	125mA
IR WAVELENGTH	880nm
DIMENSIONS	160 x 146W x 137mm
TEMPERATURE RANGE	-20 ˚C +40 ˚C
WEATHER PROTECTION	IP66

RECEIVER	
INPUT VOLTAGE	Nominally 12Vd.c Min 10.5Vd.c Max. 15Vd.c (40mA)
ALARM OUTPUT	1 x voltage free change over contact: Max. rating 24V 1A 30VA
RESPONSE TIME	> 20ms < 40ms
DWELL TIME	800ms
HORIZONTAL ADJUSTMENT	+/- 15 degrees
VERTICAL ADJUSTMENT	+/- 15 degrees
TAMPER OUTPUT	1 x voltage free N/C contact: Max. rating 24V 1A 30VA
HEATER CURRENT	125mA
DIMENSIONS	160 x 146 x 137mm
SYNCHRONISATION MODES	Synchronous connection & Asynchronous connection in both modes Synchronising Link monitoring is incorporated as standard
TEMPERATURE RANGE	-20 ˚C +40 ˚C
WEATHER PROTECTION	IP66

Security Lighting

DygiZone

The DygiZone is GJD's next generation of the Solitaire lighting controller range. Features include zone timers, user recordable messages and display back light.

The advanced feature rich controller and enunciator provides intelligent security lighting control, which enhances security, saves energy and minimises light pollution.

SPECIFICATIONS

Lighting Controller

PRODUCT CODE
GJD910 DygiZone 4 Zone

MOUNTING	Indoor use only. Mount in a clean dry location. Can be mounted on a standard single or double flush back box
INPUT	12 VDC @ 20mA standby 100 mA triggered with message playback
OPERATING TEMP	-10˚C to +55˚C
FEATURES	2 x on/off timers 4 x recordable messages

134mm

87mm

40mm

FINISH OPTIONS

Silver   White
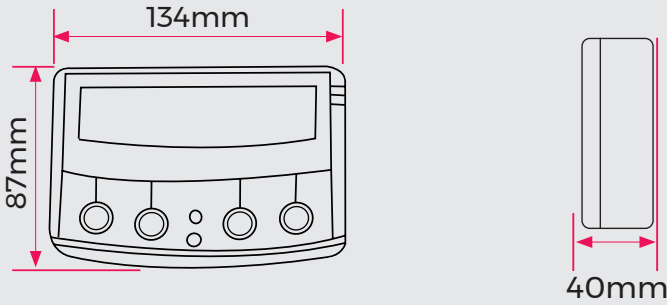
4 Zone Expansion Unit

Designed to work with the GJD DygiZone digital lighting controller and the GJD range of external PIR detectors. The advanced 4 Zone Expansion unit greatly simplifies installation time and cost.

The 4 Zone Expansion unit incorporates an energy efficient switched mode power supply and can control up to four individual lighting circuits each with 1500W resistive load. Additionally, the modular design enables the Expansion Unit to be conveniently installed within easy access to the mains supply, up to 10 x 4 Zone Expansion units can be used on one system.

Emerald 3000

The Emerald is a stand alone dual area security lighting controller, which enables external areas to be accurately monitored and illuminated.

Automatically switches up to 3000 Watts of lighting at night for a pre-set period and can be manually overridden when required.

Incorporates an audible warning tone and features six detector indicators, which illuminate when activated by detection day and night.

SPECIFICATIONS

Lighting Controller

PRODUCT CODE
GJD040 4 Zone Expansion Unit

180mm
210mm
79mm
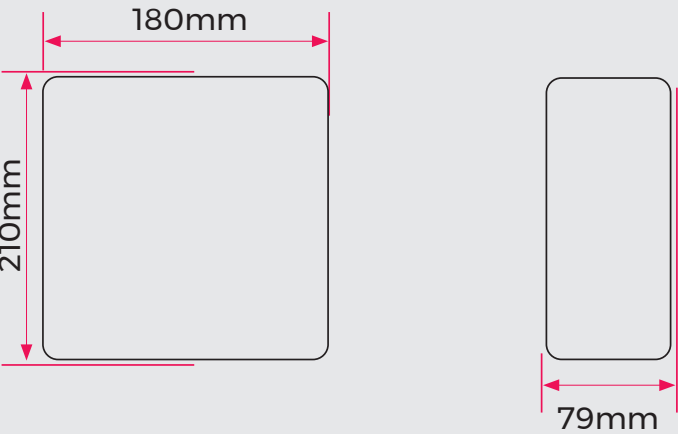
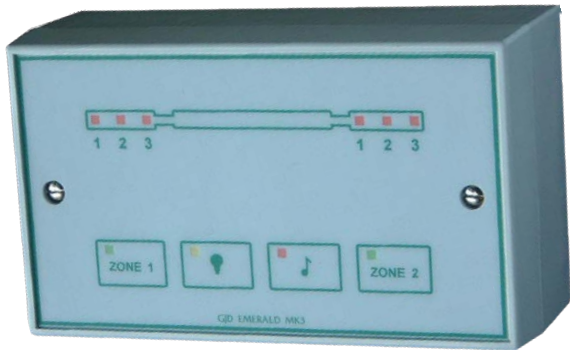| MOUNTING	Mount in a clean dry location on a secure flat surface
OUTPUT	4 X 230 VAC 50 Hz 1500 Watts Resistive maximum or 1000 Watts Ballast
INPUT	2 X 230 VAC 50 Hz via RCD, MCB & 13 Amp fused spurs
OPERATING TEMP	-10°C to 50°c
OPTIONS	Up to 10 Expansion Units can be added to a system for additional switching capacity

FINISH OPTIONS

White

SPECIFICATIONS

Lighting Controller

PRODUCT CODE
GJD010 Emerald 3000
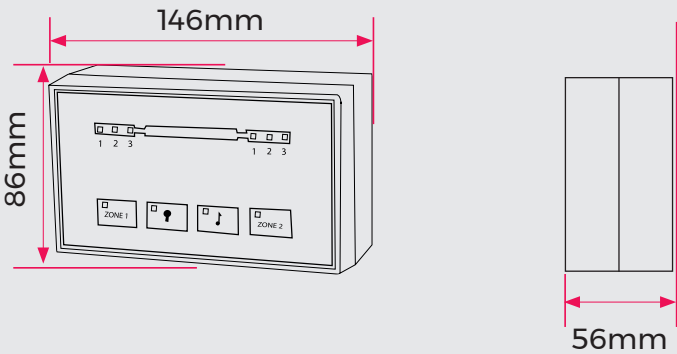
146mm
86mm
56mm

MOUNTING	Indoor use only. Mount in a clean dry location on a secure flat surface
LEDs	Six 24 hour detector indicators which pulse during detection and are steady after detection for the duration of the light on timer setting
INPUT	230 VAC 50Hz via ELCB/MCB - unit fused at 13A
OPERATING TEMP	-10°C to +55°C

FINISH OPTIONS

White

SECURITY LIGHTING
SECURITY LIGHTING

Sapphire 1500

The Sapphire is a stand alone single zone security lighting controller, which enables external areas to be accurately monitored and illuminated.

Automatically switches up to 1500 Watts of lighting at night for a pre-set period and can be manually overridden when required.

Incorporates an audible warning tone and features four detector indicators, which illuminate when activated by detection day and night.

Mini Opal

An adjustable range PIR with front and rear tamper switches, as well as sliding curtains to aid installation and field of view alignment. Modelled after the modern and stylish look of the D-TECT range of detectors.

The Mini Opal detector is designed for outdoor use in conjunction with the following GJD indoor lighting controllers:
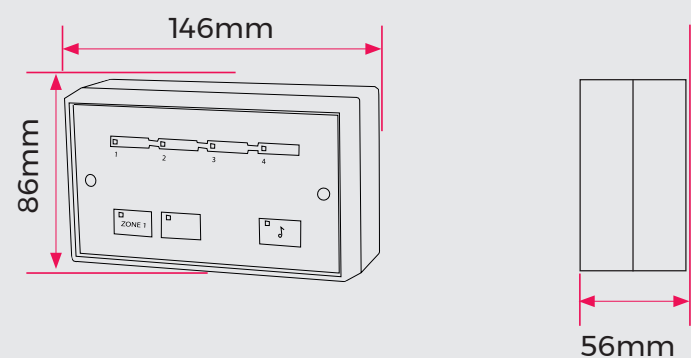
GJD005 Sapphire Mk3

GJD010 Emerald Mk3

GJD910 Dygizone 4 Zone lighting controller / enunciator

GJD040 4 Zone Expansion Unit

SPECIFICATIONS

Lighting Controller

PRODUCT CODE
GJD005 Sapphire 1500
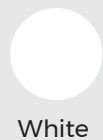
MOUNTING	Indoor use only. Mount in a clean dry location on a secure flat surface
LEDs	Four 24 hour detector indicators which pulse during detection and are steady after detection for the duration of the light on timer setting.
INPUT	230 VAC 50Hz via ELCB/MCB - unit fused at 10A
OPERATING TEMP	-10° to +55° Centigrade

146mm
86mm
56mm

FINISH OPTIONS

White

SPECIFICATIONS

PIR detector

PRODUCT CODE
GJD332 Mini Opal

84mm
106mm
72mm
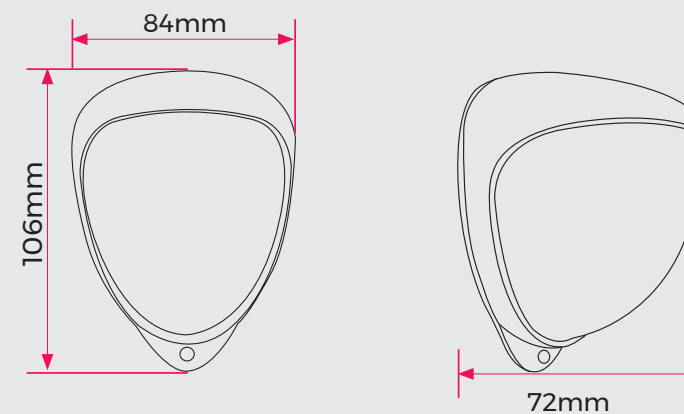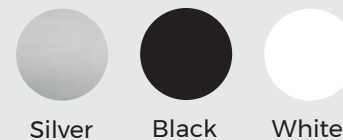
DETECTION RANGE	Adjustable 9m to 30m
COVERAGE	90˚ at 30m, equivalent to 625m²
WALK TEST	Via lighting controller
OPERATING TEMPERATURE	-20˚C to +55˚C
ADJUSTMENT	±90˚ horizontal (180˚), ±45˚ vertical
MOUNTING HEIGHT	3m
POWER INPUT	9 to 15V DC
INDICATOR LEDs	1 x Red on power up
OUTPUTS	"A" Open-collector transistor switch. 12V, 25mA "S" Open-collector transistor switch, 12V, 25mA

FINISH OPTIONS

Silver   Black   White

HOUSING

Zinc Alloy   ABS ✔   55 IP

Opal XL

The Opal XL external PIR detector is IP55 rated with a 10m to 35m detection range. It is an inconspicuous and extremely popular external passive Infra-Red detector that works in conjunction with GJD's security lighting controllers.

When used with the GJD range of security lighting controllers, 24 hour indication and movement activated lighting for a timed period is automatically provided.

Speech Diallers

SPECIFICATIONS

PIR detector

PRODUCT CODE
GJD020 Opal XL

100mm
100mm
110mm
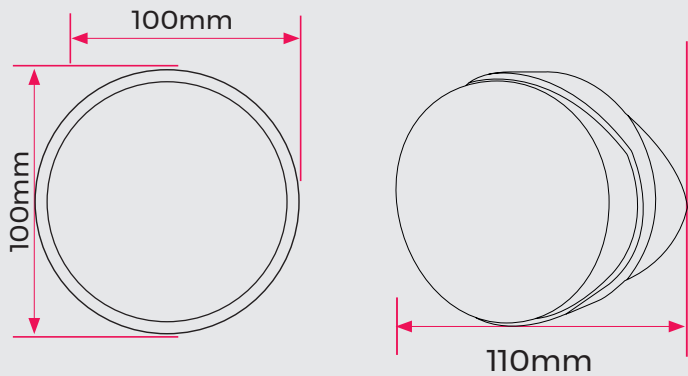
DETECTION RANGE	Adjustable up to 35m
COVERAGE	90° detection angle, 35m x 30m coverage max
WALK TEST	Via lighting controller
OPERATING TEMPERATURE	-20°C to +55°C. Conformally coated electronics for increased stability
ADJUSTMENT	180° pan & 90° tilt
MOUNTING HEIGHT	Variable up to 6m - optimum 3m
POWER INPUT	6mA (12V nominal)
INDICATOR LEDs	LED on power up
OUTPUTS	"A" Open collector -ve switching - 25mA max. Alarm period 400ms 'S' Open collector -ve switching - 25mA max. Alarm period: detection +60 sec

FINISH OPTIONS

Grey

HOUSING

Zinc Alloy   ABS   **55** IP

SECURITY LIGHTING

GSM Dialler

The GSM speech and text communicator provides a simple yet effective solution for your security notification needs.

Once triggered the GSM speech and text communicator automatically sends a voice or text message to one of nine designated, pre-programmed telephone numbers, providing a fast and reliable warning.

Six inputs allow connection for various applications including intruder detection alarm panels, nurse call devices, gas sensors and flood sensors. The additional four outputs can be linked to other associated equipment including a strobe, siren or sounder.

Free app available - search GSM Dialer

Download on the **App Store**

GET IT ON **Google Play**

SPECIFICATIONS

Speech and text communicator

PRODUCT CODE
GJD710 GSM Autodialler
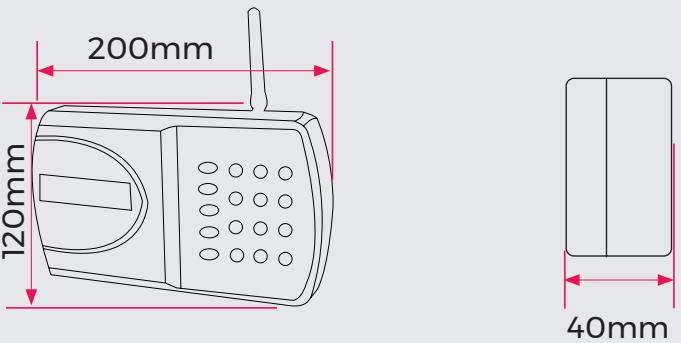
INPUT	12VDC 100mA-250mA
TRIGGER INPUTS	6 trigger inputs (switched negative)
OUTPUTS	4 programmable outputs
PROGRAMS	9 different programmable phone numbers
SOUNDER OUTPUT	Built in speaker
ACCESSORIES	App available
TESTING	Network provided signal strength test
OPERATING TEMP	-10°C to +55°C

200mm

120mm

40mm

FINISH OPTIONS

White

HOUSING

Zinc Alloy   ABS ✔

Multiswitch

The Multiswitch can be set for dusk to dawn switching or linked to a PIR or other security detection systems.

When the Multiswitch is combined with presence detection equipment the applications multiply to incorporate the control of low voltage switching devices such as CCTV recording, sounders or the GJD Multispeech voice enunciation module.

- Two volt-free relay contacts suitable for low voltage or mains up to 1500 Watts each
- Dusk to dawn lighting control
- Alarm activated light control with 'light on' timer
- Dusk to 'off' control with timer of 1 to 8 hours
- Dusk to 'off' followed by alarm until dawn

Multispeech

The Multispeech is a four-channel speech enunciator module designed for intruder monitoring, access control, welcoming, advising or warning. A different 30 second message can be recorded on each of the four channels or alternatively one single message of 120 seconds long can be recorded.

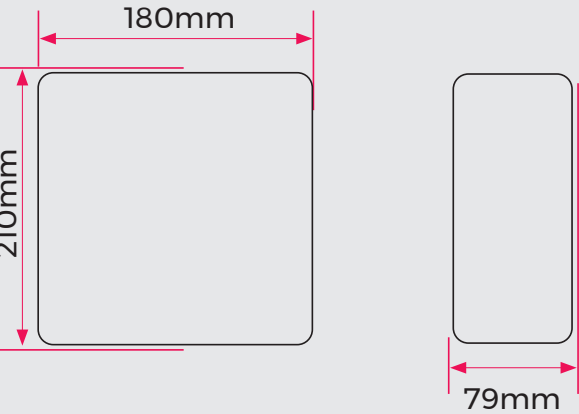Configurable to accept any normally open or normally closed input, this gives greater flexibility when using any detection device, alarm panel, panic button, telephone responder or activation from a remote video CCTV monitoring station. The Multispeech provides an 8 Ohm audio output that can be applied to a loudspeaker or to a dialler that has a speech processor input. Recording can be made using the on board microphone or alternatively by a 1V p-p line input.

SPECIFICATIONS

Multiswitch

PRODUCT CODE
GJD065 Multiswitch 3000

180mm
210mm
79mm

INPUT	12VDC @ 500 mA
SUPPLY	230V AC @ 50Hz
DUSK TO DAWN	Volt free outputs will activate at 3 lux and switch 'off' when the light level registers approximately 3 lux or over (dawn). Adjustable override from 3 lux to 24 hour activation of outputs
OUTPUTS	Two volt free power relay contacts rated 230VAC @ 1500W Resistive
WALK TEST	Power relays operate for 8 seconds (when incorporating event detection equipment)
OPTIONAL TIMER	Volt free relay alarm activated timer adjustment 1 to 24 minutes
OPERATING TEMP	-20° to +55°C Conformally coated electronics for increased stability

FINISH OPTIONS

White

HOUSING

Zinc Alloy   ABS ✔

SPECIFICATIONS

4 Channel speech enunciator

PRODUCT CODE
GJD090 Multispeech 4

Example applications

Inform – Hello, our opening hours are Monday to Friday from 9am to 5pm.

Warn – Intruder detected. You are on CCTV, please leave the premises immediately.

Deter – Realistic sound of guard dogs growling and barking.

Welcome – Welcome to the GJD office, enjoy your day.

RECORDING TIME	One single message of 120 seconds maximum or four individual messages of 30 seconds
MEMORY TYPE	EEPROM (non-volatile memory)
INPUT	Four individual normally open or normally closed triggers
AUDIO OUTPUT	Maximum 8W @ 8 Ohms minimum
SUPPLY	9VDC to 15VDC
CURRENT	Standby 3mA - record 38mA peak 1 Amp Max (playback info loudspeaker)
OPERATING TEMP	-10°C to +50°C
DIMENSIONS	100mm x 77mm x 40mm (including supports)
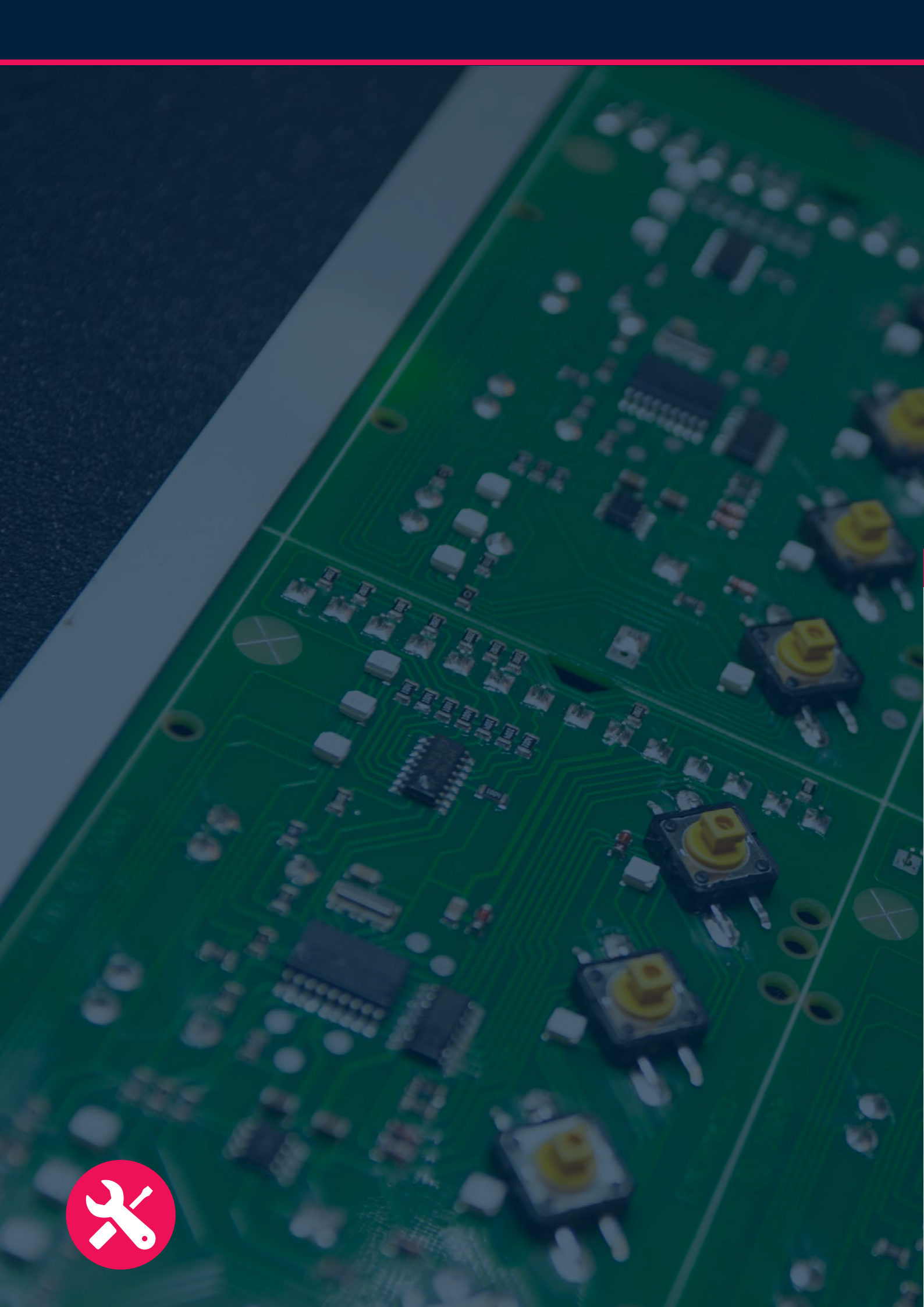
Detector Accessories
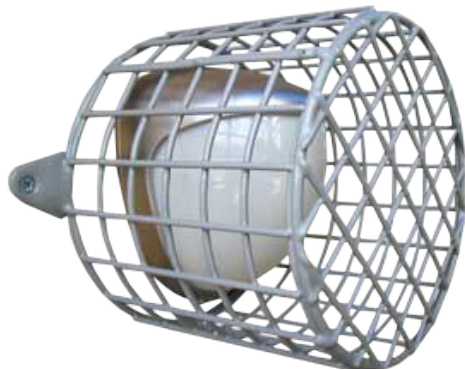
SPECIFICATIONS

PRODUCT CODE
GJD380 D-TECT Walk Tester

An installation tool to help set up D-TECT's on site
9VDC (PP3 Cell)
Current standby: 0.5mA
Operating: 30mA
Operating temp: -20°C to +55°C

PRODUCT CODE
GJD308 D-Guard

26mm steel wire mesh, plastic coated
180mm diameter
160mm deep
2 x fixing lugs with 8mm holes 225mm apart

PRODUCT COMPATIBILITY
Wired D-TECTs

PRODUCT COMPATIBILITY
All D-TECTS excluding the GJD390, Opal XL, MX20 & Elite

FINISH OPTIONS

Silver

FINISH OPTIONS

Silver

Detector Accessories

D-TECT Laser Accessories

Laser Bracket

Laser-Watch Bracket

SPECIFICATIONS

PRODUCT CODE
GJD304 D-TECT Conduit Cable Entry Adaptor

For surface mount conduit/cable installations. Complete with integral wall tamper system

Suitable for 20mm conduit protected surface run cables

Integrated rear tamper mechanism designed to perfectly interface with rear tamper plunger fitted on all D-TECT's

Supplied with D-TECT body locking screws plus wall fixings
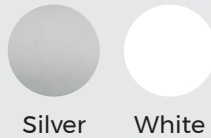
PRODUCT CODE
GJD394 D-TECT X Wireless Signal Strength Walk Tester

GJD's D-TECT X signal strength tester is an installation tool to aid the set up of D-TECT X wireless detectors

The tester measures signal strength from the detector at the receiver location and indicates if the detector is active by a simple walk test

SPECIFICATIONS

PRODUCT CODE
GJD501 D-TECT Laser Programmer

Used to adjust the settings of the D-TECT Laser.

Setup is extremely easy, allowing the user to change pattern size, detection mode, learn time, sensitivity, and many more settings.

PRODUCT CODE
GJD513 D-TECT Laser Spot Finder

The Spotfinder is an Infra-Red detector that makes sensor installation easier by allowing technicians and installers to easily locate a sensor's Infra-Red detection zone.

This helps to visualise the detection zone, ensuring the proper adjustments are made and further ensuring customer safety.

PRODUCT CODE
GJD511 D-TECT Laser Bracket

Mounting bracket required when fitting the D-TECT Laser to a structure or post.

PRODUCT CODE
GJD517 Laser Watch Wall Mount Bracket

Mounting bracket required when fitting the Laser-Watch to a structure or post.

PRODUCT COMPATIBILITY
Wired D-TECTs

PRODUCT COMPATIBILITY
D-TECT X MKIII

FINISH OPTIONS

Silver   White

FINISH OPTION

Black

FINISH OPTION

Black

FINISH OPTION

Black

FINISH OPTION

Black

CLARIUS®

LED Illuminators

✔ Each Clarius PLUS includes interchangeable lens diffusers to deliver angles of 10°, 30°,60°and 95°

✔ Dual Core® LEDs for powerful illumination, long life and low running costs

✔ CleanLITE® self cleaning lens coating technology

✔ Infra-Red and White-Light LED options

✔ Lighting design service

✔ Enhanced optics provide ultra clear images

✔ Illumination range from 13m to 370m

✔ Five year warranty (except LT model 3 year)

5 YEAR WARRANTY

LEDS

Email **info@gjd.co.uk** to book a product demonstration and training

Clarius PLUS Infra-Red LED Illumintors

	Small IR Illuminator	Medium IR Illuminator	Large IR Illuminator	Extra Large IR Illuminator		Small PoE IR Illuminator	Medium PoE IR Illuminator

IS-8 850nm*

Distance

10° - 132m (434ft)
30° - 66m (217ft)
60° - 42m (138ft)
95° - 21m (69ft)

FOV

10° - 23m (76ft)
30° - 35m (116ft)
60° - 49m (159ft)
95° - 46m (151ft)

IS-9 940nm

Distance

10° - 81m (266ft)
30° - 39m (128ft)
60° - 24m (79ft)
95° - 12m (39ft)

FOV

10° - 14m (47ft)
30° - 21m (69ft)
60° - 28m (91ft)
95° - 26m (86ft)

CONSUMPTION	15W
RECOMMENDED PSU	ALT-30-24

IM-8 850nm*

Distance

10° - 187m (614ft)
30° - 94m (307ft)
60° - 60m (195ft)
95° - 30m (98ft)

FOV

10° - 33m (107ft)
30° - 50m (164ft)
60° - 69m (225ft)
95° - 65m (213ft)

IM-9 940nm

Distance

10° - 115m (376ft)
30° - 65m (213ft)
60° - 40m (131ft)
95° - 20m (66ft)

FOV

10° - 20m (66ft)
30° - 35m (114ft)
60° - 46m (152ft)
95° - 44m (143ft)

CONSUMPTION	26W
RECOMMENDED PSU	ALT-30-24

IL-8 850nm*

Distance

10° - 228m (748ft)
30° - 114m (374ft)
60° - 73m (238ft)
95° - 36m (119ft)

FOV

10° - 40m (131ft)
30° - 61m (201ft)
60° - 84m (275ft)
95° - 79m (260ft)

IL-9 940nm

Distance

10° - 140m (459ft)
30° - 79m (260ft)
60° - 49m (160ft)
95° - 24m (80ft)

FOV

10° - 24m (80ft)
30° - 42m (139ft)
60° - 56m (185ft)
95° - 53m (175ft)

CONSUMPTION	39W
RECOMMENDED PSU	ALT-60-24

IX-8 850nm*

Distance

10° - 262m (859ft)
30° - 131m (429ft)
60° - 83m (273ft)
95° - 42m (137ft)

FOV

10° - 46m (150ft)
30° - 70m (230ft)
60° - 96m (316ft)
95° - 91m (298ft)

IX-9 940nm

Distance

10° - 161m (527ft)
30° - 91m (299ft)
60° - 56m (184ft)
95° - 28m (92ft)

FOV

10° - 28m (92ft)
30° - 49m (160ft)
60° - 65m (212ft)
95° - 61m (201ft)

CONSUMPTION	52W
RECOMMENDED PSU	ALT-60-24

IS-8-P 850nm*

Distance

10° - 101m (332ft)
30° - 51m (166ft)
60° - 32m (106ft)
95° - 16m (53ft)

FOV

10° - 18m (58ft)
30° - 27m (89ft)
60° - 37m (122ft)
95° - 35m (115ft)

IS-8-P 940nm

Distance

10° - 62m (204ft)
30° - 30m (98ft)
60° - 18m (60ft)
95° - 9m (30ft)

FOV

10° - 11m (36ft)
30° - 16m (53ft)
60° - 21m (70ft)
95° - 20m (66ft)

CONSUMPTION	12W
RECOMMENDED PSU	Any IEEE 802.3af Injector

IM-8-P 850nm*

Distance

10° - 187m (614ft)
30° - 94m (307ft)
60° - 60m (195ft)
95° - 30m (98ft)

FOV

10° - 33m (107ft)
30° - 50m (164ft)
60° - 69m (225ft)
95° - 65m (213ft)

IM-8-P 940nm

Distance

10° - 115m (376ft)
30° - 65m (213ft)
60° - 40m (131ft)
95° - 20m (66ft)

FOV

10° - 20m (66ft)
30° - 35m (114ft)
60° - 46m (152ft)
95° - 44m (143ft)

CONSUMPTION	25W
RECOMMENDED PSU	Any IEEE 802.3af Injector

SPECIFICATIONS

CONSTRUCTION	Robust high quality aluminium extrusion
PHOTOCELL	Adjustable 20 - 70 Lux
ILLUMINATION	Adjustable 10% - 100%
OPERATING TEMPERATURE	-50˚ to 50˚C (-58˚ to 122˚F)
MOUNT	Powder coated stainless steel wall mount
INPUT	12-32V DC or 24V AC +/-10%
IP RATING	IP66 in accordance with EN60529;1992
ELECTRONICS	High efficiency surface mount high power Dual Core LED's™ with advanced current limited integral control circuitry

Clarius PLUS White-Light LED Illumintors

Small WL Illuminator	Medium WL Illuminator	Large WL Illuminator	Extra Large WL Illuminator	Small PoE WL Illuminator	Medium PoE WL Illuminator

VS-CW	VM-CW	VL-CW	VX-CW	VS-CW-P	VM-CW-P	SPECIFICATIONS

Distance

VS-CW	VM-CW	VL-CW	VX-CW	VS-CW-P	VM-CW-P
10° - 81m (264ft)	10° - 114m (374ft)	10° - 139m (456ft)	10° - 160m (524ft)	10° - 68m (223ft)	10° - 114m (374ft)
30° - 47m (154ft)	30° - 67m (218ft)	30° - 81m (266ft)	30° - 93m (305ft)	30° - 40m (130ft)	30° - 67m (218ft)
60° - 34m (110ft)	60° - 48m (156ft)	60° - 58m (190ft)	60° - 67m (218ft)	60° - 28m (93ft)	60° - 48m (156ft)
95° - 20m (66ft)	95° - 29m (94ft)	95° - 35m (114ft)	95° - 40m (131ft)	95° - 17m (56ft)	95° - 29m (94ft)

FOV

VS-CW	VM-CW	VL-CW	VX-CW	VS-CW-P	VM-CW-P
10° - 14m (46ft)	10° - 20m (65ft)	10° - 24m (80ft)	10° - 28m (92ft)	10° - 12m (39ft)	10° - 20m (65ft)
30° - 25m (83ft)	30° - 36m (117ft)	30° - 43m (143ft)	30° - 50m (164ft)	30° - 21m (70ft)	30° - 36m (117ft)
60° - 39m (127ft)	60° - 55m (180ft)	60° -67m (220ft)	60° - 77m (252ft)	60° - 33m (107ft)	60° - 55m (180ft)
95° - 44m (144ft)	95° - 62m (204ft)	95° - 76m (249ft)	95° - 87m (286ft)	95° - 37m (122ft)	95° - 62m (204ft)

	VS-CW	VM-CW	VL-CW	VX-CW	VS-CW-P	VM-CW-P
LUMEN OUTPUT	1200lm	2400lm	3600lm	4450lm	1100lm	2400lm
CONSUMPTION	15W	26W	39W	52W	12W	25W
RECOMMENDED PSU	ALT-30-24	ALT-30-24	ALT-60-24	ALT-60-24	Any IEEE 802.3at Injector	Any IEEE 802.3at Injector

SPECIFICATIONS

CONSTRUCTION	Robust high quality aluminium extrusion
PHOTOCELL	Adjustable 20 - 70 Lux
ILLUMINATION	Adjustable 10% - 100%
OPERATING TEMPERATURE	-50˚ to 50˚C (-58˚ to 122˚F)
MOUNT	Powder coated stainless steel wall mount
INPUT	12-32V DC or 24V AC +/-10%
IP RATING	IP66 in accordance with EN60529;1992
COLOUR TEMPERATURE	5700K (6000K and 6500K options available to order)
COLOUR RENDERING INDEX	Typ.80
ELECTRONICS	High efficiency surface mount high power Dual Core LED's™ with advanced current limited integral control circuitry

Clarius PLUS IP LED Illuminator

The Clarius® Plus IP is an internet protocol connected illuminator with an integrated web browser interface.

The range incorporates the latest surface mount LED's with enhanced optical output and outstanding reliability, to deliver high quality night-time images.

The Clarius® Plus IP includes an interchangeable lens diffuser system; which allows the user to quickly and easily alter the angle of illumination. Elliptical beam profiles allow more light to be delivered precisely where it is needed, allowing longer distances to be reached and minimising light wastage. The system also helps to prevent overexposure of foreground objects.

As standard the illuminator includes interchangeable lenses to deliver 10˚, 30°, 60° and 95° elliptical beam profiles.

Medium IP IR Illuminator   Medium IP WL Illuminator

SUPPORTED SOFTWARE/NVRS/CAMERAS

AXIS COMMUNICATIONS · milestone · Genetec · HIKVISION · avigilon · nˣ networkoptix · Hanwha Techwin Europe · dahua TECHNOLOGY · Concept Pro HD-P · EMBSEC · BOSCH · KENTIMA · qulu · MIRASYS · GRIFFID · wavestore · See Tec · LILIN · MOBOTIX · SONY · Genie · ernitec · BOSCH · Control4 · RTI · LUTRON · rako · CRESTRON · URC

We are continuously testing and updating our integration, so if you miss your favourite VMS or camera please email **info@gjd.co.uk**

IM-8-IP   850nm

Distance

10° - 187m (614ft)
30° - 94m (307ft)
60° - 60m (195ft)
95° - 30m (98ft)

FOV

10° - 33m (107ft)
30° - 50m (164ft)
60° - 69m (225ft)
95° - 65m (213ft)

IM-9-IP   940nm

Distance

10° - 115m (376ft)
30° - 65m (213ft)
60° - 40m (131ft)
95° - 20m (66ft)

FOV

10° - 20m (66ft)
30° - 35m (114ft)
60° - 46m (152ft)
95° - 44m (143ft)

CONSUMPTION	25W
RECOMMENDED PSU	Any IEEE 802.3at Injector

VM-CW-IP

Distance

10° - 114m (374ft)
30° - 67m (218ft)
60° - 48m (156ft)
95° - 29m (94ft)

FOV

10° - 20m (65ft)
30° - 36m (117ft)
60° - 55m (180ft)
95° - 62m (204ft)

CONSUMPTION	25W
RECOMMENDED PSU	Any IEEE 802.3at Injector
LUMEN OUTPUT	2400lm
COLOUR RENDERING INDEX	Typ. 80
COLOUR TEMPERATURE	5700K (6000K and 6500K options available to order)

SPECIFICATIONS

CONSTRUCTION	Robust high quality aluminium extrusion
PHOTOCELL	Adjustable 20 - 70 Lux
ILLUMINATION	Adjustable 10% - 100%
OPERATING TEMPERATURE	-50˚ to 50˚C (-58˚ to 122˚F)
MOUNT	Powder coated stainless steel wall mount
INPUT	PoE+ (IEEE802.3at)
IP RATING	IP66 in accordance with EN60529;1992
ELECTRONICS	High efficiency surface mount high power Dual Core LED's™ with advanced current limited integral control circuitry

Brackets: Wall Mount

| Single Bracket | Double Bracket | Triple Bracket | Single Pole Mount Bracket |

PRODUCT CODE
SMB1 Single Bracket

(SMB1)

'L' wall mount bracket for single   illuminator

Compatible with all Clarius Infra-Red & White-Light illuminators

Allows up to 180 degrees rotation

Fully adjustable (left, right, up & down)

Stainless steel construction (black powder coated)

PRODUCT CODE
DMB1 Double Bracket

(DMB1)

Dual illuminator mounting bracket compatible with all Clarius Infra-Red & White-Light illuminators

Doubles the angle of illumination

Increases illumination distance by a factor of 1.4x when using two equivalent illuminators

Mix-and match illuminators (angle & distance)

Mix-and match Infra-Red & White- Light illuminators for hybrid models

Fully adjustable (left,right, up & down)

Includes IP67 rated junction box

Stainless steel construction (black powder coated)

PRODUCT CODE
TMB1 Triple Bracket

(TMB1)

Triple Illuminator mounting bracket compatible with all Clarius Infra-Red & White-Light illuminators

Triples the angle of illumination

Increases illumination distance by a factor of 1.7x when using three equivalent illuminators

Mix-and match illuminators (angle & distance)

Mix-and-match Infra-Red & White-Light illuminators for hybrid models

Fully adjustable (left, right, up & down)

Includes IP67 rated junction box

Stainless steel construction (black powder coated)

PRODUCT CODE
PMB1 Single Pole Mount Bracket

(PMB1)

Single pole mounting bracket compatible with all Clarius Infra-Red & White-Light illuminators including SMB1, DMB1 and TMB1 brackets

Supplied with stainless steel straps to fit 7.5cm to 20cm diameter pole

Stainless steel construction (black powder coated)

Power Supplies

The Clarius® range of power supply units are constant voltage devices perfect for powering the Clarius® range of LED lighting products.

All of the power supply units feature a regulated 24V DC output supplying continuous full rated current to load. The universal mains input voltage allows the power supply to be used across a wide geographical area, while the highly efficient switch mode design ensures low operating costs and cool running.

Available in four power variants from 30W to 150W, the PSU's provide enough power for multiple illuminators if required.
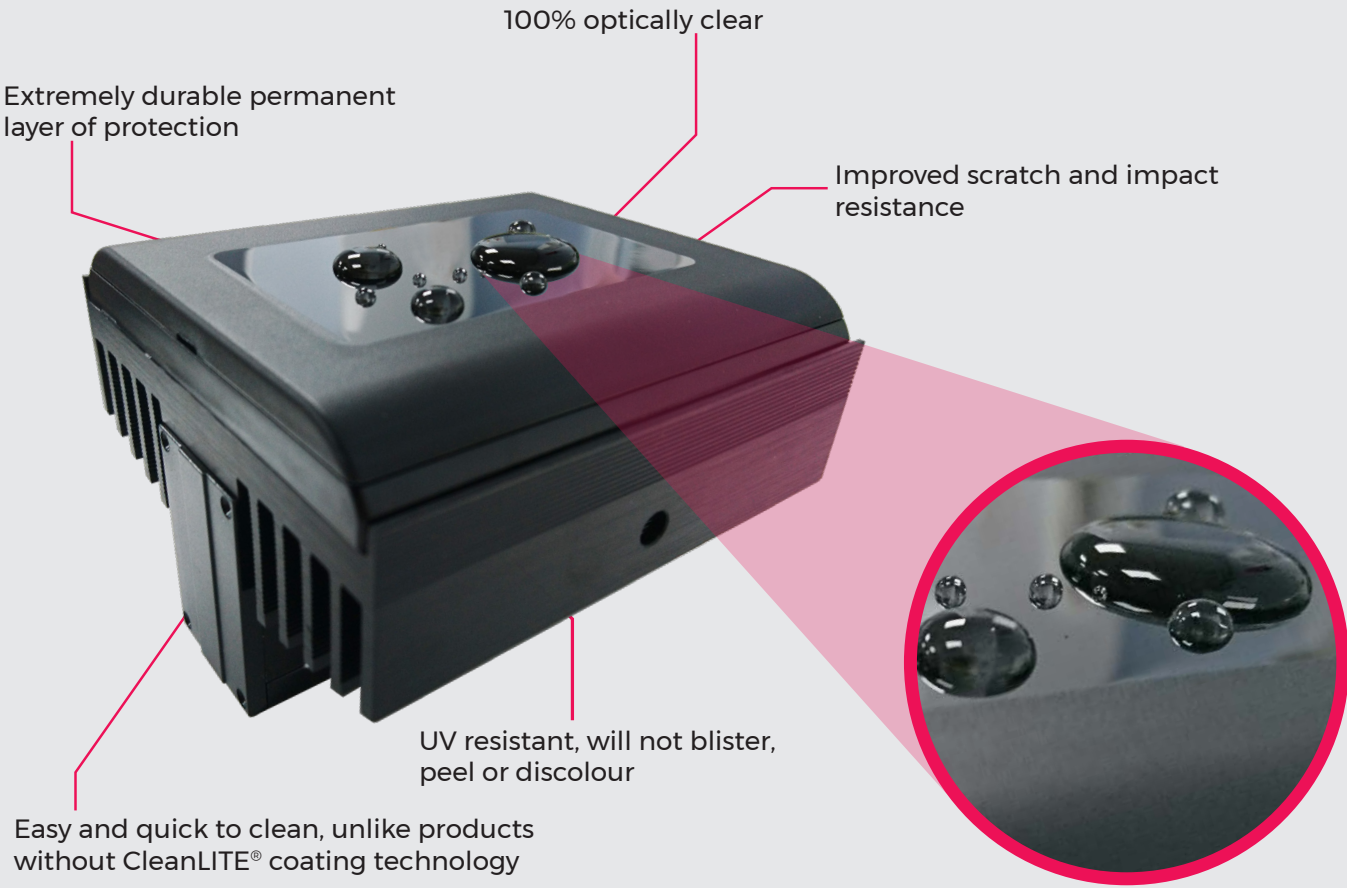
CleanLITE® Coating

What is CleanLITE® **technology?**

The Clarius range of Infra-Red and White-Light LED illuminators are manufactured with GJD's unique CleanLITE® coating technology. This is a hydrophobic layer, which instantly repels water and other liquids to ensure Clarius illuminators remain clean and dirt free.

How CleanLITE® **technology works**

When dirt and dust come into contact with the Clarius CleanLITE® coated front cover, water quickly flushes it away. The water is instantly repelled by the coating and the dirt is attracted to the water, which then simply rolls away.

Even under extreme conditions like constant high pressure spray, the CleanLITE® layer maintains its hydrophobic characteristics.

SPECIFICATIONS

	30W DC Power Supply	60W DC Power Supply	100W DC Power Supply	150W DC Power Supply
Product Code	ALT-30-24	ALT-60-24	ALT-100-24	ALT-150-24
Power	30W	60W	100W	150W
Output	24V DC / 1.25A	24V DC / 2.5A	24V DC / 4.2A	24V DC / 6.25A
Input	100-250V AC 50/60 Hz	100-250V AC 50/60 Hz	100-250V AC 50/60 Hz	170-250V AC 50/60 Hz
Rating	IP67	IP67	IP67	IP67
Dimensions	200W x 20H x 29Dmm	150W x 44H x 63Dmm	214W x 44H x 63Dmm	214W x 44H x 63Dmm

100% optically clear

Extremely durable permanent layer of protection

Improved scratch and impact resistance

UV resistant, will not blister, peel or discolour

Easy and quick to clean, unlike products without CleanLITE® coating technology

STONEHENGE VISITORS CENTRE

GJD Manufacturing protects "one of the Wonders of the World"
The prehistoric Stonehenge site is one of Britain's most popular tourist attractions. In an effort to restore the famous world heritage site, Stonehenge underwent a massive £27 million renovation project.

Challenge
This is the largest capital project ever undertaken by English Heritage. Stonehenge required a high-end, sophisticated perimeter detection and security system.

Solution
GJD worked closely with Wessex Fire and Security to manufacture and install the new security system for the Stonehenge site.

Infra-Red Clarius illuminators were perfect for the customer's specific requirements, as they work in conjunction with black and white or day/night cameras, providing a light invisible to the human eye, but fully visible to the CCTV camera.

Challenge

Reducing false alarms in a South Manchester school provides the RVRC with an invaluable lesson in external PIR detectors.

Initially the school had an external CCTV system installed by an NSI Gold installation company using 'conventional external PIR's'.

However, shortly after installation the system generated a high number of false alarms.

Detection Solution

Owing to the number of false triggers, the company urgently needed to provide a viable and economic solution. This saw the original PIR's replaced with GJD's external D-TECT 3 PIR detectors, which are proven to drastically reduce nuisance triggers by an impressive 85%.

Furthermore, the D-TECT 3 significantly outperforms the more expensive products on the market, as it is easy to install, aesthetically pleasing and more resistant to attack compared to other PIR's.
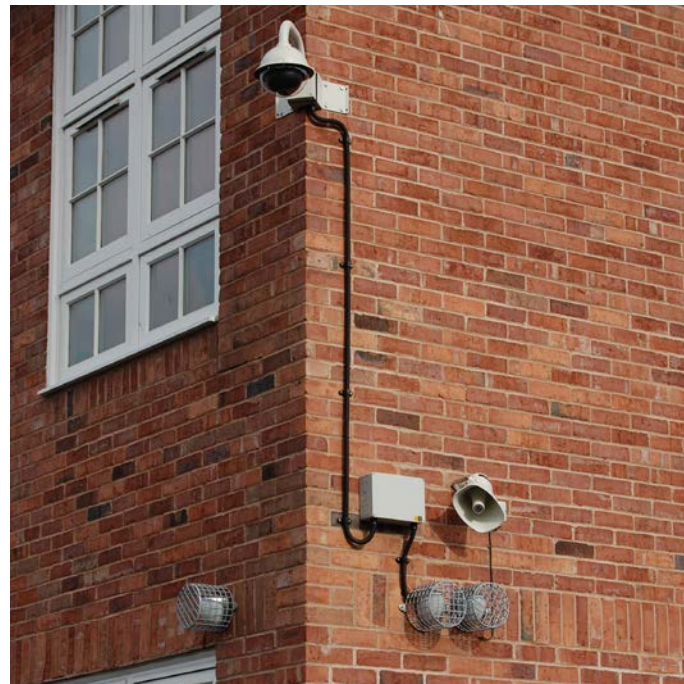
Since the new detectors were installed, the school confirmed that whenever the system was triggered, a genuine activation was confirmed.

Key Facts

On-site performance data comparing GJD's D-TECT's to competitive detectors

- Unwanted alarms reduced from 220 to 3
- Environmental alarms reduced from 162 to 1
- Wildlife alarms reduced from 257 to 2

Solar farms are large-scale systems of solar photovoltaic (PV) panels, used to generate electricity. The farms often cover vast areas of land in rural areas, therefore it is essential that effective perimeter detection is in place to protect the infrastructure. GJD was employed to manufacture reliable security lighting to work in conjunction with the CCTV system on a solar farm in Cambridgeshire, to provide optimum security.

Challenge

The Cambridgeshire solar farm required intelligent detection lighting and a CCTV solution for a 13MW PV installation. Major project specifications included reliable security lighting, even in adverse weather conditions, accurate angle illumination and a light range of up to 95 metres. Given the nature of the project, it was also important the selected lighting used very low power consumption, without compromising on quality and efficiency.

Lighting solution

GJD worked closely with AGE CCTV Systems and the project manager at the solar farm to select the most suitable security lighting for the project. After careful consideration it was decided the high performance, Infra-Red Clarius® IM illuminator was the perfect lighting solution, as it is specifically designed to provide world class leading performance, long life and ultra-low maintenance.

IR OFF   **IR ON**

Gary Whiteman, Director of AGE CCTV Systems commented: "AGE choose Clarius® LED illuminators from GJD to complement our CCTV system as it provides competitively priced, high performance LED lighting in a rural environment".

Incorporating the latest surface mount LEDs with enhanced optical output and outstanding reliability, the Infra-Red Clarius® IM illuminator delivers high quality night-time images, as well as working in conjunction with black and white or day/night cameras, providing a light invisible to the human eye, but fully visible to the CCTV camera.

Each unit is fitted with integrated control circuitry to carefully control LED output, delivering consistent illumination for the farm and a projected working life in excess of 10 years.

The specialist security installation company Nu-Fire & Security Ltd selected the D-TECT X as part of a BS8418 compliant CCTV system for the new RRG Toyota Car Dealership in Manchester.

A total of 19 D-TECT detectors were installed, this was a mix of D-TECT 2 Quad PIRs and D-TECT X Wireless Quad PIRs.

The advanced features of the D-TECT range include unique signal processing, optical systems plus front and back tamper switches.

These detectors are able to capture genuine threats and totally eliminate nuisance alarms.

When the D-TECT detectors are triggered they can individually, or simultaneously control and activate CCTV cameras, security lights, NVRs, autodiallers and virtually any low-voltage switching device.

The D-TECT X wireless detector also has an impressive line of sight range of up to 500 metres.

Nu-Fire's Sales Manager, Jason Sunderland, commented:

"We were really impressed that our engineers found the D-TECT detectors so easy to install and our client RRG was also particularly impressed with the aesthetics of the units on their building".

Jason also said that the favourable customer reaction to these GJD detectors means that many more future installations have been specified using the D-TECT X, including installations on other car dealerships.

Introduction
GJD worked closely with HotCam who is a leading professional broadcast camera, audio, lighting equipment hire and crewing company. The collaboration required GJD's LED illuminators to be used during night vision filming for a worldwide television series.

The Challenge
GJD was brought in to help HotCam Ltd. develop the perfect lighting solution. Due to the high scale of the project, it was essential that the Infra-Red Illuminators would provide a reliable and precision lighting solution.

Covert IR lighting was a key specification, it was essential the illuminators had the ability to light up a room, as if it were daylight to a night vision camera, but still appear dark to the human eye, so people were unaware of filming.

Image quality was also key, as the camera footage had to meet strict television broadcast standards. It was important to capture visible images of objects without shadows and show people with clear facial identification. The lighting solution had to be completely accurate due to the fact that very key elements of the television series would be filmed in total darkness.

The location of filming was in various sized rooms which would change from day to night, so both the illumination range and angle had to match the cameras field of view.

Lighting Solution
After careful consideration and thorough testing, eight medium Clarius PLUS Infra-Red illuminators were specified. The medium Clarius PLUS incorporates the latest surface mount Dual core® LED's with enhanced optical output and outstanding reliability to deliver excellent night-time images.

The advanced technology allows for significantly more light to be delivered precisely where it is required. It also reduces light wastage, which helps to reduce costs and save energy without compromising on efficiency.

A distinct feature of the Clarius PLUS was its interchangeable lens diffuser system, which provides a quick and user-friendly method to easily alter the angle of illumination, therefore providing versatility whilst filming.

The Clarius PLUS also has a minimal visible glow; this ensured that the lighting was invisible to the actors.

Another specialist feature was the PoE (power over ethernet) technology, which provided the option to run power via PoE, this saved further cabling and lowered the maintenance costs.

Joe Patterson, Technical Manager at HotCam commented: "We are very happy with how the Clarius PLUS LED illuminators performed and they were perfect for the application we required. GJD also provided us with an outstanding level of customer service, I am looking forward to working with GJD again."

Conclusion
The use of GJD's Clarius PLUS Infra-Red illuminators provided vision in total darkness. The illuminators worked well with HotCam's cameras and provided a flexible solution as each unit came with a choice of angles out of the box. The equipment was ordered through NBM, who is one of GJD's trusted distributors. NBM provided a quick and reliable service, which was essential due to the strict filming production schedule.

Company: Professional Surveillance Management (PSM) Ltd

Andy Saile, Technical Director

"Working closely with our customer, the installer and GJD we recently commissioned GJD's Laser-Watch to cover distances up to 656ft (200m) on a private beach in the UK. The Laser-Watch is connected to a Hikvision NVR DS-7616/NI series, which automatically sends alerts to the PSM Monitoring Center.

From a monitoring point of view, we are very impressed with the accurate detection, performance and high quality of the Laser-Watch. The Laser-Watch has up to 20 independent alarm zones, which have enabled us to precisely monitor the site. We have integrated multiple dome cameras, which allow us to monitor individual zones and setup different alarm actions. For example, we can easily pinpoint the exact location of an intruder along the 200m stretch of beach.

Another benefit of using the Laser-Watch is that it is fitted with weather resistant technology, which suppresses interference from fog, wind and snow. It also ensures that the challenging coastal weather doesn't affect the surveillance quality.

The customer service and technical support from GJD has been professional and very helpful. We would certainly use GJD's Laser-Watch again and recommend it to our customers".

Company: T Shed Engineers

Nick Griffiths

T Shed engineers specialist camera equipment for wildlife filmmakers. Our kit is often used in hostile environments around the world from the Arctic to tropical rainforest's. We have recently incorporated the GJD Dual Tech 362 motion detector into one of our custom trail camera systems for a wildlife documentary project about Indian tigers to be shot over the next three years. These custom built remote cameras will capture the tigers up close and personal with an ultra high resolution 4K camera.

We specifically chose the GJD Dual Tech detector built for the export market as we needed a PIR system that would be less prone to false detections from moving foliage and hot air currents as well as being able to detect hot blooded mammals when the ambient temperature is very close to the target body temperature. The 362 detector with its dual microwave and PIR detector as well as its intelligent digital temperature compensation has been able to deliver effectively for us in the field with temperatures reaching the mid 40°'s C and 100% humidity.

On a practical level we have found the GJD detector was easy to integrate into our custom build..

Company: Chubb RVR

Colin Walters, General Manager

"At Remote Video Response (RVR), we have been working with GJD, testing the new D-TECT 2, since its beta release in May 2005. The outcomes of these tests have proved most positive, and achieved the levels of success we were looking for. False alarm rates were down, and the volume of alarm traffic to the monitoring center reduced. The product is feature rich, complies with BS8418 and is aesthetically well designed – all of which will be of benefit to the Remote Video Response Center (RVRC), installer and customer alike."

CONTACT INFORMATION

GJD
Unit 2,
Birch Business Park,
Whittle Lane,
Heywood,
Greater Manchester,
OL10 2SX, UK

Sales:	+44 (0) 1706 363 998
Technical:	+44 (0) 1706 363 990
Fax:	+44 (0) 1706 363 991
E-mail:	info@gjd.co.uk
	sales@gjd.co.uk

SUPPORT

Free guidance documents

Free engineer workshop

Free UK and international technical support

Free warranty on all GJD products

Industry experts providing field support

Bespoke marketing and PR support from our team of experienced professionals

SOCIAL MEDIA

GJD

Detect.Illuminate.Deter

GJD
Unit 2, Birch Business Park
Whittle Lane
Heywood
Greater Manchester
OL10 2SX
UK

Sales: +44 (0) 1706 363 998
Fax: +44 (0) 1706 363 991
E-mail: info@gjd.co.uk
Web: gjd.co.uk