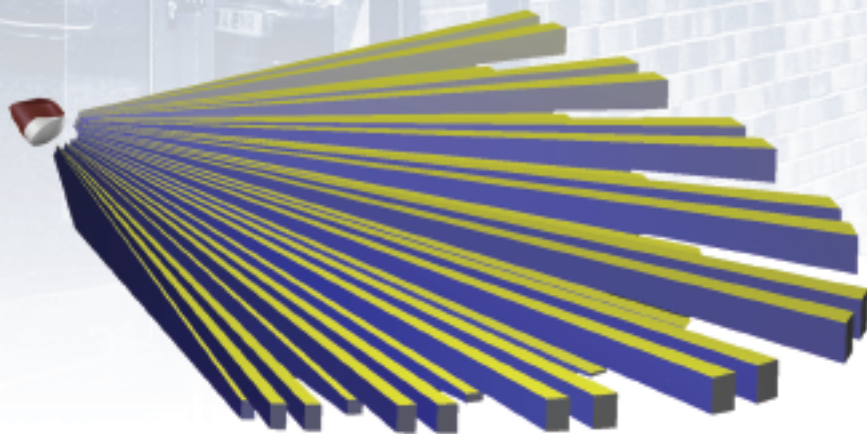
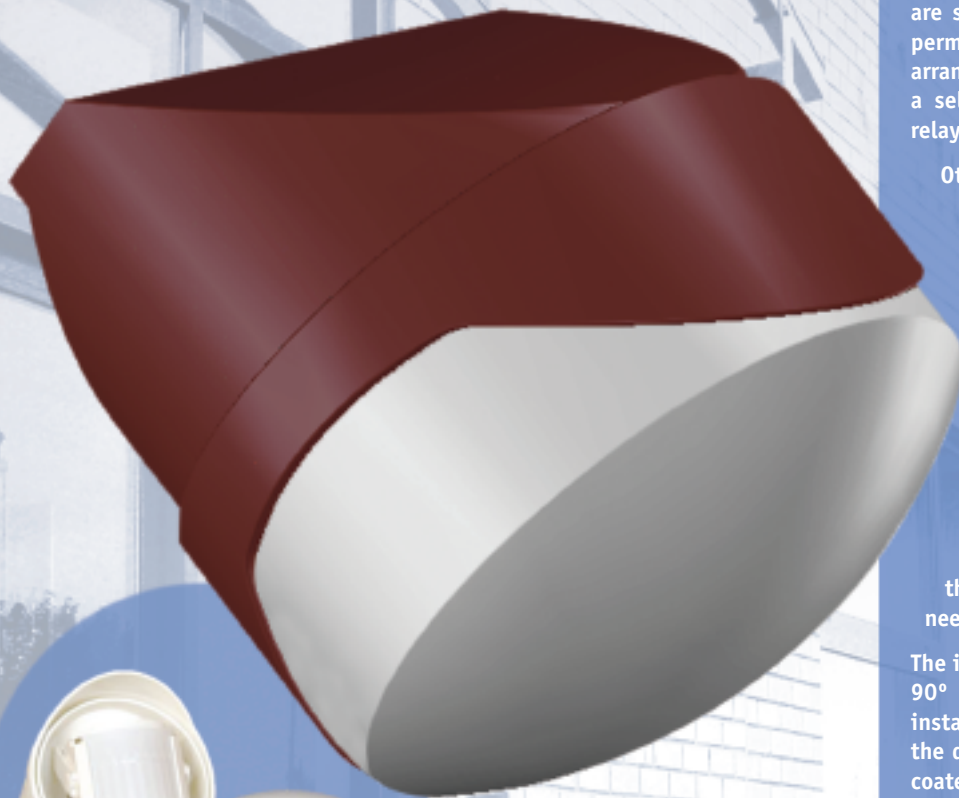


■GJD■

ELITE

Wide angle outdoor
PIR detector



3m

35m

A robust external 35 metre passive infrared intruder detector designed to give reliable event-based triggers that simultaneously or individually control cameras, VCR's, DVR's and all low voltage switching requirements.

ADAPTABILITY

The Elite offers a high level of programmability, there are seven different modes of operation giving various permutations of normally open and normally closed arrangements for the two pairs of 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 10 to 35 metres.

In addition there are two switched negative outputs. The 'A' output gives a single 400ms trigger every time the detector activates and is generally used in conjunction with the GJD lighting controllers to give 24-hour visual and audible alarm indication. The 'S' output is the only photocell-controlled output giving a fixed 60-second trigger on activation.

The flexibility of the four outputs and timers allows the Elite to be used in multiple situations without the need for any further customised equipment.

The integral dual axis tilt sensor allows 180° of pan and 90° tilt. This increases the speed of the outdoor installation and provides incredibly accurate aiming of the detection pattern. The electronics module is acrylic coated for additional component stability. It is encased in a vandal-resistant high impact ABS housing with a UV stabilised translucent front cover ensuring the sensor is impervious to and unaffected by weather conditions.

The Elite's effective design gives a neat appearance with no visible indication of the orientation of the detector head, and totally hides the wiring.

RELIABILITY

Detecting emitted infrared energy of humans equates to recognising subtle changes of energy in the detectors field of view whilst rejecting changes in other wave lengths that are caused by other factors.

The Elite's custom designed ASIC microprocessor combined with our unique optical system, filters the information received to give the required precision detection performance.

GJD combine this technology with a double silicon shielding of the pyroelectric sensor. The combination of precision electronics, digital white light filter and double shielding resists more than 50,000 lux of unwanted sunlight, therefore eliminating false alarms from visible light sources.

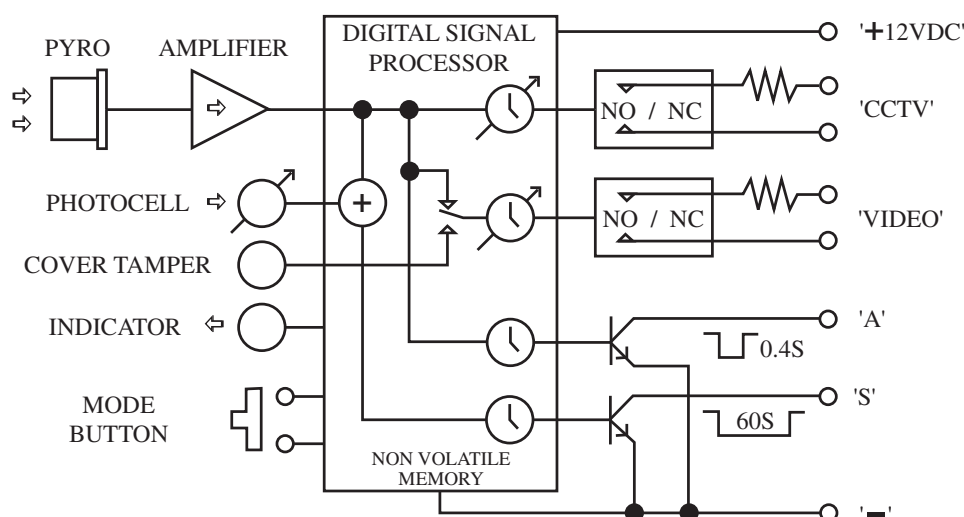
THE PROFESSIONALS CHOICE



ELITE SPECIFICATIONS

Detection Area		10 to 35 metres (adjustable) up to 750 sq metres
Coverage		90 degree 35 metres x 30 metres max
Adjustment		180 degree pan + 90 degree tilt
Fresnel Lens		36 zone - White Light Filter
Customised Optics		Double silicon shielded dual element eliminates 50,000+ lux of white light
Outputs	Silent solid state magnetically immune	
No. 1	CCTV output	Volt free relay signal contact @ 24VAC/DC @ 50mA with an integral 80R series resistor. Selectable normally open/normally closed. Adjustable timer options: 0.4 to 60 seconds
No. 2	Video output	Volt free relay signal contact @ 24VAC/DC @50mA. Selectable normally open/normally closed with an integral 80R series resistor. Adjustable timer options: 2 to 60 seconds
No. 3	Output 'A'	Open collector negative switching - 25mA max. Alarm period 400ms
No. 4	Output 'S'	Open collector negative switching - 25mA max. Alarm period: Detection + 60 seconds Adjustable: Dusk (2 lux) to 24 hour
Power input		9 to 15VDC
Current		10mA (12V nominal)
Pulse Count		1 (2,3 & 4 previous detection ≤ 6 seconds)
Tamper		Opens for 2 seconds when cover removed and/or 'A' & 'S' outputs pulse for 60 seconds (programmable)
Temperature Compensation		Digital sensitivity adjustment
Operating Temperature		-20 to +55 Centigrade
Housing		High Impact ABS
Protection Rating		I P 55
Dimensions		104 x 100 x 100mm
Weight		145 grams
Mounting Height		Variable - optimum height 3 metres
Cable up to 200 metres up to 500 metres		Utilising all four outputs - 8 core 7/0.2mm Utilising all four outputs - 8 core 16/0.2mm
Part Number (burgundy)		GJD022
Part Number (white)		GJD023

GJD ELITE BLOCK DIAGRAM



FEATURES

- Digital ASIC/microprocessor control
- Output test mode with LED indication
- Area reduction mask (if required)
- Non-volatile memory
- Digital white light filter
- Wall or pole mounting
- Conformally coated electronics for increased stability

COMPLIANCE

- High immunity against RFI-BSEN50081-1:1992
- High resistance to EMC-BSEN 50130-4:1996
- GJD's 100% test verification



FOR FURTHER INFORMATION CONTACT:

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tel: +44 (0) 1204 363998, fax: +44 (0) 1204 363991

PART NUMBER: GJD022

It is our ongoing commitment to continue to develop products of excellence. Due to continued development GJD reserves the right to amend specifications without prior notice.

www.gjd.co.uk