

ELITE Motion Detector

The Elite 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 10 to 35 metres.

RELIABILITY

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

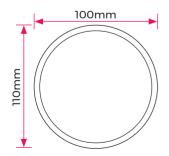
GJD combine this technology with a double silicon shielding of the pyroelectric sensor. The combination of precision electronics, digital white light filter and double shielding resists more than 50,000 lux of unwanted sunlight; therefore eliminating false alarms from visible light sources.

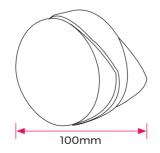


PRODUCT CODES

GJD022 ELITE - Burgundy Housing **GJD023** ELITE - White Housing

DIMENSIONS





FEATURES

Digital ASIC/ microprocessor control

Output test mode with LED indication

Digital white light filter

Area reduction mask (if required)

Non-volatile memory

BENEFITS

Conformally coated electronics for increased stability

Aesthetically pleasing design

Programmable detection ranges



COVERACE ADJUSTMENT 180 degree pan + 90 degree tilt FRESNEL LENS 36 zone - white light filter Double silicon shielded dual element eliminates 50,000+ lux of white light OUTPUTS Silent solid state magnetically immune Volt free relay signal contact © 24VAC/DC @ 50mA with an integral 300hm series resistor. Selectable normally open/normally open/	DETECTION AREA	10 to 35 metres (adjustable) up to 750 sq metres
ADJUSTMENT 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 Volt free relay signal contact @ 24VAC/DC @ 50mA with an integral 300hm series resistor. Selectable normally open/normally closed. Adjustable timer options: 0.4 to 60 seconds ALARM 2 'VIDEO' ALARM 3 'A' Open collector negative switching - 25mA max. Alarm period 400ms ALARM 4 'S' Open collector negative switching - 25mA max. Alarm period: Detection + 60 seconds Adjustable: Dusk (2 lux) to 24 hour POWER INPUT Open sollector negative switching - 25mA max. Alarm period: Detection + 60 seconds Adjustable: Dusk (2 lux) to 24 hour PULSE COUNT 1,2,3 & 4 previous detection ≤ 6 seconds Opens for 2 seconds when cover removed and / or 'A' & 'S' outputs pulse for 60 seconds (programmable) TEMPERATURE COMPENSATION OPERATING TEMPERATURE -20 to +55°C High Impact ABS PROTECTION RATING IPS5 DIMENSIONS 104 x 100 x 100mm WEIGHT NOUNTING HEIGHT Variable - optimum height 3 metres Utilising all four outputs - 8 core 7/0.2mm Utilising all four outputs - 8 core 16.0.2mm PART NUMBER (BURGUNDY) GJD022		
TRESNEL LENS CUSTOMISED OPTICS Double silicon shielded dual element eliminates 50,000+ lux of white light CUTPUTS Silent solid state magnetically immune Volt free relay signal contact © 24VAC/DC © 50mA with an integral 300hm series resistor. Selectable normally open/normally closed. Adjustable timer options: 0.4 to 60 seconds Volt free relay signal contact © 24VAC/DC © 50mA. Selectable normally open/normally closed. Adjustable timer options: 0.4 to 60 seconds Volt free relay signal contact © 24VAC/DC © 50mA. Selectable normally open/normally closed with an integral 30 ohm series resistor. Adjustable timer options: 2 to 60 seconds ALARM 2 'VIDEO' Volt free relay signal contact © 24VAC/DC © 50mA. Selectable normally open/normally closed with an integral 30 ohm series resistor. Adjustable timer options: 2 to 60 seconds ALARM 4 'S' Open collector negative switching - 25mA max. Alarm period: 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 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°C HOUSING High Impact ABS PROTECTION RATING IP55 DIMENSIONS 104 x 100 x 100mm WEIGHT 145 grams MOUNTING HEIGHT Variable - optimum height 3 metres Utilising all four outputs - 8 core 7/0.2mm Utilising all four outputs - 8 core 16.0.2mm PART NUMBER (BURGUNDY) GJD022		
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ALARM 1 'CCTV' integral 300 hm series resistor. Selectable normally open/normally closed. Adjustable timer options: 0.4 to 60 seconds Volt free relay signal contact @ 24VAC/DC @ 50mA. Selectable normally open/normally closed with an integral 30 ohm series resistor. Adjustable timer options: 2 to 60 seconds ALARM 3 'A' Open collector negative switching - 25mA max. Alarm period 400ms ALARM 4 'S' Detection + 60 seconds ALARM 4 'S' 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°C HOUSING High Impact ABS PROTECTION RATING IP55 DIMENSIONS 104 x 100 x 100mm WEIGHT 145 grams MOUNTING HEIGHT Variable - optimum height 3 metres CABLE UP TO 200 METRES Utilising all four outputs - 8 core 7/0.2mm Utilising all four outputs - 8 core 16.0.2mm PART NUMBER (BURGUNDY) GJD022	OUTPUTS	Silent solid state magnetically immune
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ALARM 3 'A' 400ms 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°C HOUSING High Impact ABS PROTECTION RATING IP55 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 UT Illising all four outputs - 8 core 7/0.2mm Utilising all four outputs - 8 core 16.0.2mm PART NUMBER (BURGUNDY) GJD022	ALARM 2 'VIDEO'	normally open/normally closed with an integral 30 ohm series
ALARM 4 'S' 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 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°C HOUSING High Impact ABS PROTECTION RATING IP55 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	ALARM 3 'A'	
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pulse for 60 seconds (programmable) TEMPERATURE COMPENSATION Digital sensitivity adjustment -20 to +55°C HOUSING High Impact ABS PROTECTION RATING IP55 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 Up TO 500 METRES Utilising all four outputs - 8 core 16.0.2mm PART NUMBER (BURGUNDY) GJD022	PULSE COUNT	1,2,3 & 4 previous detection ≤ 6 seconds
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HOUSING High Impact ABS PROTECTION RATING IP55 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	TEMPERATURE COMPENSATION	Digital sensitivity adjustment
PROTECTION RATING 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 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	OPERATING TEMPERATURE	-20 to +55°C
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 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	HOUSING	High Impact ABS
WEIGHT 145 grams WOUNTING 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	PROTECTION RATING	IP55
MOUNTING HEIGHT Variable - optimum height 3 metres CABLE UP TO 200 METRES UP TO 500 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	DIMENSIONS	104 x 100 x 100mm
CABLE UP TO 200 METRES UP TO 500 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	WEIGHT	145 grams
UP TO 500 METRES Utilising all four outputs - 8 core 16.0.2mm PART NUMBER (BURGUNDY) GJD022	MOUNTING HEIGHT	Variable - optimum height 3 metres
PART NUMBER (WHITE) GJD023	PART NUMBER (BURGUNDY)	GJD022
	PART NUMBER (WHITE)	GJD023

ELITE BLOCK DIAGRAM

