

■ GJD ■

RFX

Wireless Exterior



...signalling greater freedom in PIR detection wherever you want to protect

The Opal RFX - a robust external 35 metre passive infra red intruder detector designed to detect and transmit reliable event-based triggers to the weatherproof RFX-3 Receiver. These combined units enable the simultaneous or individual control of cameras, VCR's, DVR's and virtually all low-voltage switching requirements.

All the sensors are SAW stabilised and are individually identified with one of over 16 million possible transmission codes allowing no feasible restriction to the amount of RFX-3 receivers required for any application. For ease of setup the Opal RFX incorporates a simple plug in code memory transfer system to the receiver.

On installation the integral, dual axis bracket of the sensor allows 180° of pan and 90° of tilt ensuring the accurate aiming of the detection beams over the area being covered. The ABS vandal resistant housing has a UV stabilised translucent front cover to provide additional protection to the optics. More importantly, this effective design gives no visible indication to an intruder as to the orientation of the detector head.

The weatherproof receiver with front and rear tamper output, can be positioned in line of sight up to 150 metres away from where the detectors are installed. The active state of up to three Opal RFX passive detectors is constantly monitored by each RFX-3 Receiver. All activity signals are directed to their respective volt free outputs and in addition there are a further nine individual monitoring and information outputs.

The unrivalled flexibility of the system caters for any industrial, commercial or domestic intruder detection requirement and can also easily integrate with all of the GJD range of security lighting and CCTV controllers.

THE PROFESSIONALS CHOICE



RFX SPECIFICATIONS

OPAL RFX WIRELESS PIR



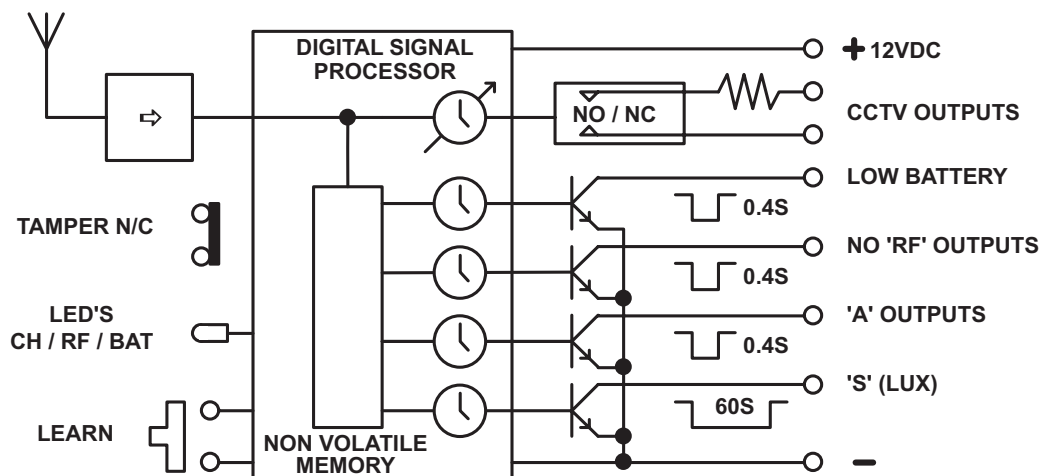
Supply	2 x AAA Alkaline batteries 1.5V (not supplied) Low power - typical battery life 2 years.
Transmission	433.92MHz frequency – SAW stabilised 150 metres line-of-sight
Detection Area	10 to 35 metres (adjustable) up to 750 sq mtr
Coverage	35 x 30 meters - 90° multifunction lens
Adjustment	internal adjustment 180° pan and 90° tilt
Fresnel Lens	36 zone - white light filter
Optics	Double silicon shielded dual element eliminates 50,000+ lux of white light
Mounting	3 metres high for multi-beam coverage, 6 metres high for curtain coverage and 1.5 metres with mask for pet immunity
Processing	Intelligent signal processing. Non volatile memory 16 million possible identification codes
Features	Area reduction mask (if required) Detection signal timer output 0.4 to 60 secs. Light level signal output 2 lux to daylight Pulse Count 1 (2 & 3 ≤ 6 seconds)
Temperature	-20° C + 55°C
Enclosure	IP55 rated Ultra violet stabilised high impact ABS
Weight	152 grams
Dimensions	110 high x 100 wide x 100mm deep
Part Number	GJD018

GJD RFX-3 RECEIVER



Supply	12VDC @ 35mA nominal (9 to 20VDC max)
Reception	Monitors signals from up to 3 Opal RFX PIR's with high selectivity SAW filter
Outputs (CCTV)	3 x independent volt free outputs Selectable normally open (form A) or normally closed (form B) Timers 0.4 to 60 seconds after last detection
Outputs (A)	3 x independent switching –ve outputs (24 hr) rated @ 250mA - 0.4 second on detection
Output (LUX)	1 x photocell controlled -ve switching Adjustable: Dusk (2 lux) to 24 hour Active 60 seconds after last detection
Tamper	Housing back and front tamper volt free output (form B)
RF Output	3 x independent RF/loss of signal –ve switching rated @ 250mA
Low Battery	Output –ve switching rated @250mA
Testing	Independent channel active indicators Attendance reporting
Processing	Intelligent digital signal processing Plug in code memory transfer system Non volatile memory
Temperature	-20°C + 55°C
Enclosure	Weatherproof IP65 ABS housing
Weight	340 grams
Dimensions	183 high x 123 wide x 60mm deep
Part Number	GJD017

GJD RFX-3 RECEIVER BLOCK DIAGRAM



FOR FURTHER INFORMATION CONTACT:

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