

## Opal RFX Wireless Exterior

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.

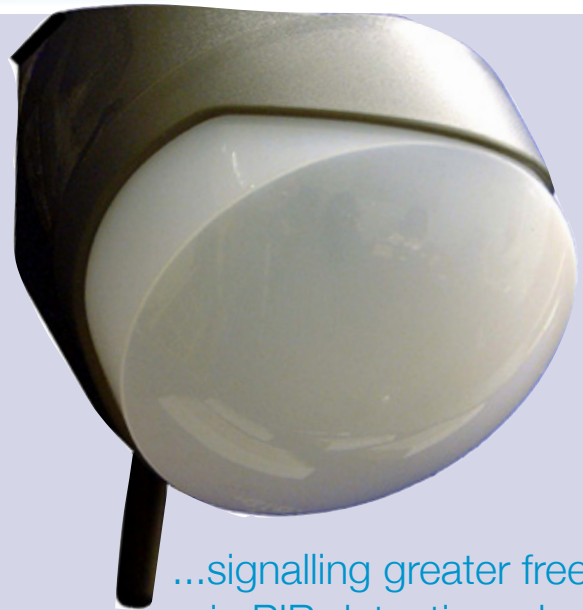
On installation the integral, dual axis bracket of the sensor allows 180° of pan and 90° of tilt ensuring the accurate aiming of the detection beams over the area being covered. The ABS vandal resistant housing has a UV stabilised translucent front cover to provide additional protection to the optics.

More importantly, this effective design gives no visible indication to an intruder as to the orientation of the detector head.

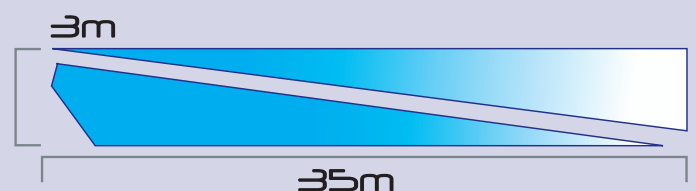
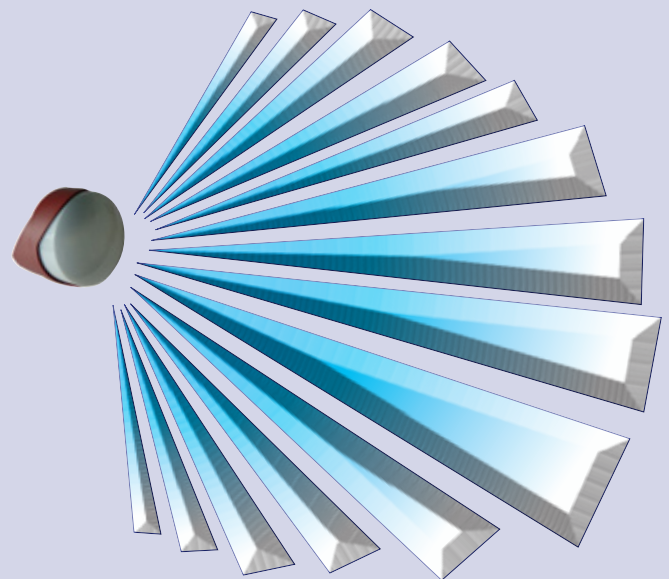
The weatherproof receiver with front and rear tamper output, can be positioned in line of sight up to 150 metres away from where the detectors are installed. The active state of up to three Opal RFX passive detectors is constantly monitored by each RFX-3 Receiver.

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.



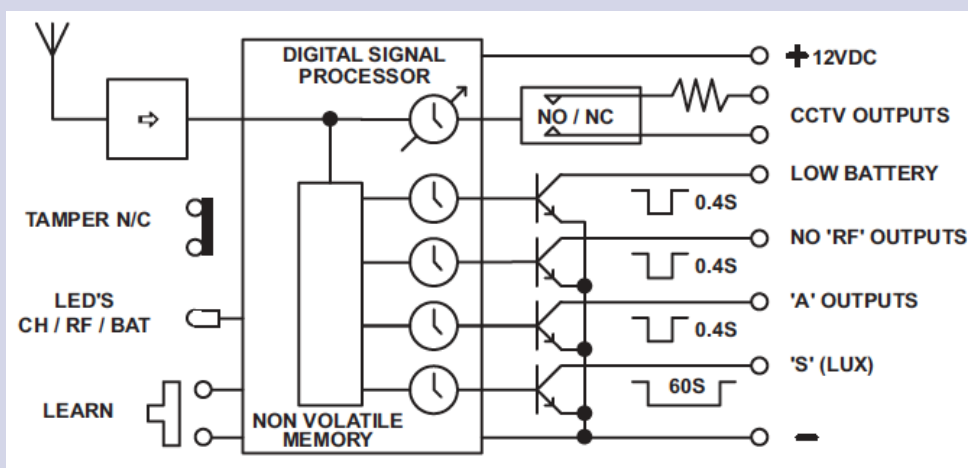
...signalling greater freedom  
in PIR detection wherever  
you want to protect



## RF-X Specifications

OPAL RF-X WIRELESS PIR		GJD RF-X-3 RECEIVER	
			
Supply	2 x AAA Alkaline batteries 1.5V (not supplied) Low power - typical battery life 2 years	Supply	12VDC @ 35mA nominal (9 to 20VDC max)
Transmission	433.92.MHz frequency - SAW stabilised 150 metres line-of-sight	Reception	Monitors signal from up to 3 Opal RFX PIR's with high selectivity SAW filter
Detection Area	10 to 35 m (adjustable) up to 750 sq mtr	Outputs (CCTV)	3 x independent volt free outputs Selectable normally open (form A) or normally close (form B) Timers 0.4 to 60 seconds after last detection
Coverage	35m x 30m - 90° multifunction lens	Outputs (A)	3 x independent switching - ve outputs (24hr) rated @ 25mA - 0.4 second on detection
Adjustment	internal adjustment 180° pan and 90° tilt	Outputs (LUX)	1 x photocell controlled -ve switching Adjustable: Dusk (2 lux) to 24 hour Active 60 seconds after last detection
Fresnel lens	36 zone - white light filter	Tamper	Housing back and front tamper volt free outout (form B)
Optics	Double silicon shielded dual element eliminates 50,000+ lux of white light	RF Output	3 x independent RF/loss of signal -ve switching rated @250mA
Mounting	3m high for multi-beam coverage, 6m high for curtain coverage and 1.5m with mask for pet immunity	Low Battery	Output - ve switching rated @250mA
Processing	Intelligent signal processing. Non volatile memory 16 million possible identification codes	Testing	Independent channel active indicators Attendance reporting
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)	Processing	Intelligent digital signal processing Plug in code memory transfer system Non volatile memory
Temperature	-20° C + 55° C	Temperature	-20° C + 55° C
Enclosure	IP55 rated Ultra violet stabilised high impact ABS	Enclosure	Weatherproof IP65 ABS housing
Weight	152 grams	Weight	340 grams
Dimension	110 high x 100 wide x 100mm deep	Dimensions	183 high x 123 wide x 60mm deep
Part Number	GJD018	Part Number	GJD017

### GJD RF-X-3 RECEIVER BLOCK DIAGRAM



For more information ...



[www.gjd.co.uk](http://www.gjd.co.uk)



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