

REDWALL® 100Q



LONG RANGE PIR DETECTOR

FEATURES

- 100 metre x 3 metre coverage
- Twin electronic processors
- 25mA power consumption
- Rugged all-metal construction
- Patented optical array
- Gold-plated mirrors
- Simple alignment
- IP64 rated
- Integral mounting bracket
- High RFI/EMI immunity

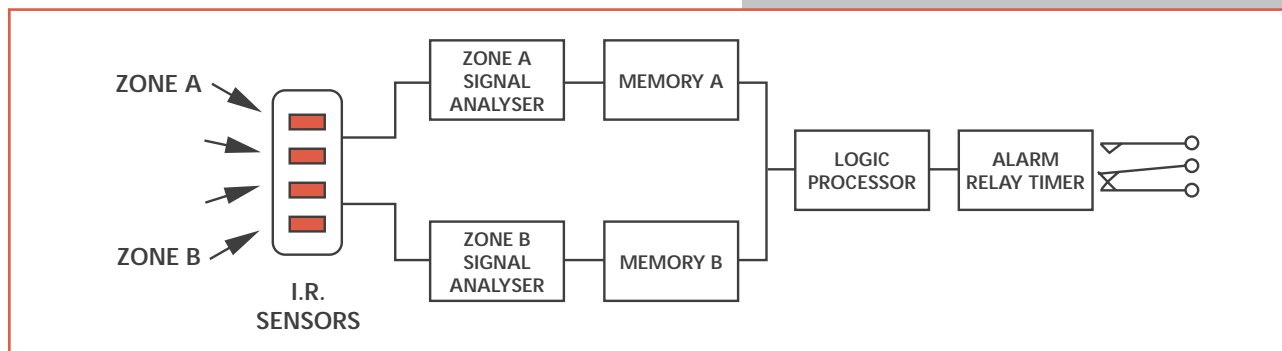
CONCEPT

The Redwall® 100Q is a robust external long range passive infrared detector designed to operate at ranges of up to 100 metres. As a single-ended device it does not require a transmitter to be mounted at the far end of the protected area reducing both installation time and cost.

The Redwall® 100Q is the first long range external detector to incorporate quad element technology and represents a major step forward in the design of this type of sensor. Ideal for use as a motion detector for CCTV equipment, the Redwall® 100Q can be used to activate phone line video transmission equipment, recording devices or alert an operator's attention to movement in a specific area.

OPERATION

Detection is achieved by monitoring changes of far infrared levels between an intruder and the background in the detector's twenty fields of view. The sensor's twin electronic processors use dual edge sensing techniques to achieve detection and, when combined with the four-in-line quad element sensor, provides exceptional operational stability.



INSTALLATION

Installation and set-up is made easy with the LRP1020 Walktester, this allows the Redwall® to be accurately aimed and will also provide the installer with information regarding the unit's performance. The integral bracket allows the sensor to be wall or pillar-mounted and the head to be adjusted through a full 180 degrees. The comprehensive use of screening and de-coupling techniques gives the detector high immunity to RFI and EMI interference.

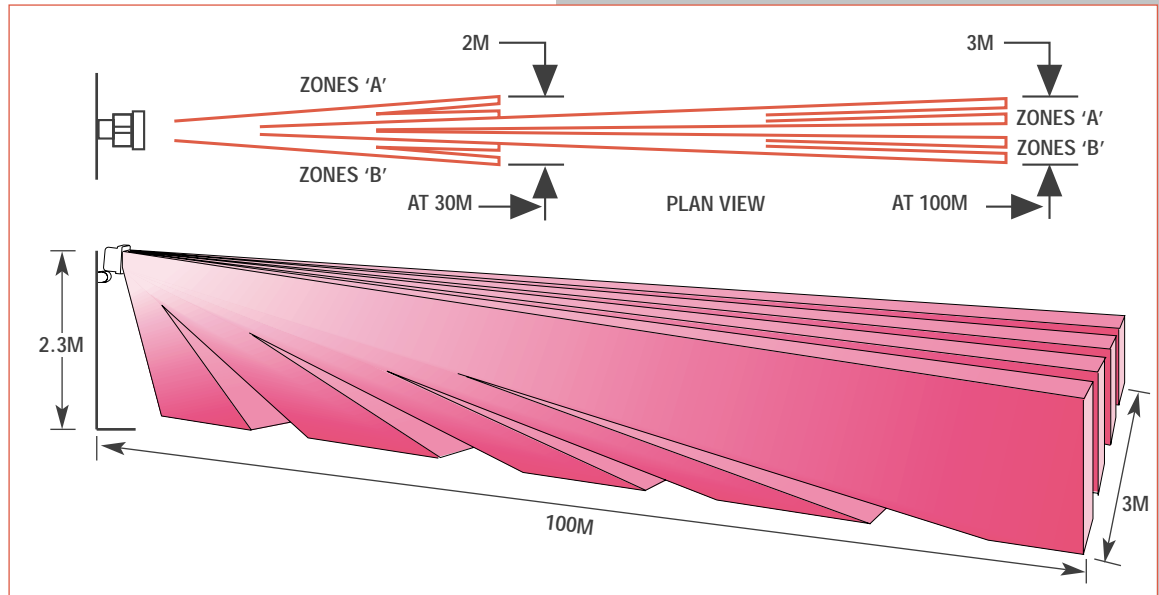
LONG RANGE PIR DETECTOR 100 X 3 METRE COVERAGE

APPLICATIONS

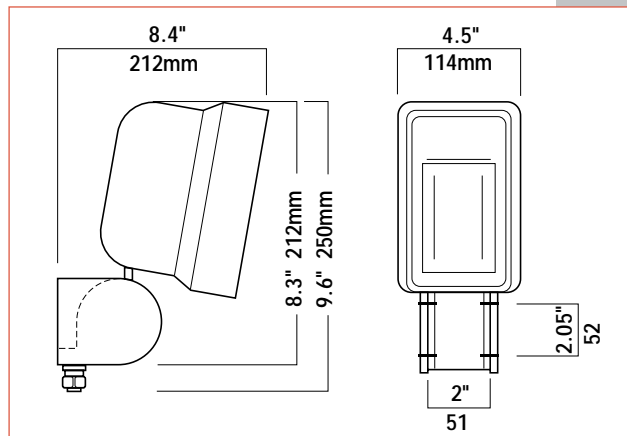
The Redwall® 100Q is ideal for use as a motion detector in conjunction with CCTV. It can be used to alert an operators attention to movement in a specific area, activate recording equipment on alarm or be used to initiate alarms from an external site connected to a central station via video transmission equipment.

The detector can simultaneously control lighting in the protected area when used with an LRP101 Interswitch controller. This allows lighting loads of up to 1200watts to be operated on alarm and contains an on board photocell, lights 'on' timer, and 220/240 V ac to 12 V dc power supply to power the detector.

COVERAGE



DIMENSIONS



ACCESSORIES

LRP101	Mains power supply with light sensor and timer for switching mains loads up to 1200 watts incandescent
LRP1020	Audio Walk-tester

SPECIFICATIONS

Model	LRP100Q
Range	100 metres x 3 metres
Protection zones	20 (5 quad)
Supply voltage	11-16 V DC
Alarm contact	Form 'c' Relay 30 V at 1 Amp
Tamper contact	Form 1B 30 V at 1 Amp
Current Consumption	25mA
Walk test	Audible/visual
Operating Temperature	-10°C to + 50°C
Weight	2Kg (4.4lbs)
Outdoor rating	IP64
Appearance	White powder coat



This unit is designed to detect intrusion and initiate a signal to control equipment. It is not a burglar/theft prevention device and we cannot accept responsibility for any losses should they occur. Due to continued improvement specifications are subject to change without prior notice.