

Digital Passive Infrared Motion Detectors

Digital ZoDIAC

PIR/QUAD/PET

The Digital ZoDIAC detectors provide increased accuracy, reliability and superior false alarm immunity in residential and commercial environments.

The advanced circuit design performs direct analog to digital conversion of the PIR sensor's signal using an advanced microprocessor. True digital motion detection converts, amplifies and analyzes the sensor's signal in the digital domain, eliminating the problems caused by analog circuitry such as saturation, loss of data and noise.

Based on Rokonet's advanced Technology, the ZoDIAC series provides a complete range of detector solutions. Due to their identical, compact, and attractive housing, the various technologies of ZoDIAC detectors can be combined in one installation, while maintaining the same overall look. The ZoDIAC line of products is easily installed and offers complete versatility, thanks to a free swivel for optimal wall/ceiling mounting.



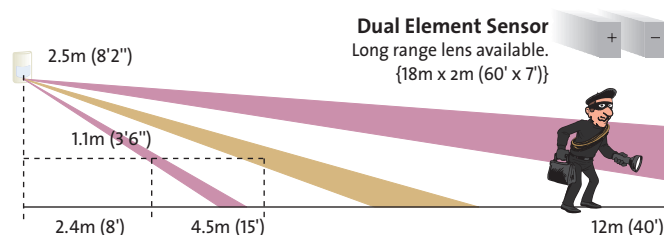
Digital ZoDIAC Features

- Full 12x12m (40'x40') coverage
- Microprocessor-based Digital Signal Processing
- Patented true temperature compensation
- Improved false alarm immunity
- High RFI Immunity
- Free swivel for wall/ceiling mounting
- Selectable pulse count
- White light protection
- Optical protective sleeve
- Optional long range lens
- Internal cable duct and ample wiring space for easy installation

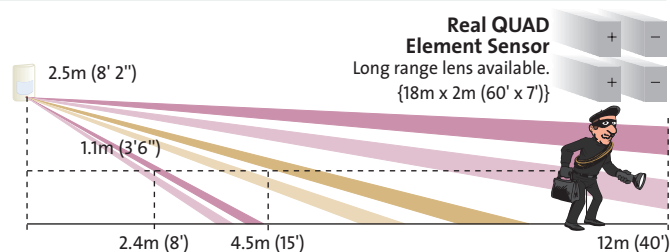
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Digital ZoDIAC PIR (RK410PRD000A) - Digital PIR Detector

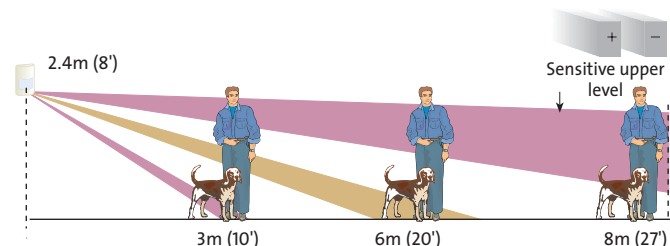
The Digital ZoDIAC PIR has been specially designed for excellent catch performance and high false alarm immunity. The advanced microprocessor enables complete software-driven, true digital motion detection. Optimal installation is facilitated using the supplied free swivel. The internal cable duct and ample space inside make wiring easy. With an optical protective sleeve and white light protected lens the Digital ZoDIAC PIR prevents false alarms.

**Digital ZoDIAC QUAD (RK410QD0000A) – Digital QUAD Detector**

The Digital ZoDIAC QUAD has all the advantages of the Digital ZoDIAC PIR with the addition of a real Quad element sensor that provides added catch performance and false alarm immunity in hostile residential environments. The real Quad elements assure improved coverage while reducing significantly false alarms from warm air, moving curtains and spot temperature changes.

**ZoDIAC PET (RK410PT) - Digital Pet Immune Detector**

The ZoDIAC PET with advanced electronics utilizes a custom designed lens to provide full pet immunity to 70lb(33kg) dogs and 4 cats with no loss of catch performance. This sophisticated detector is the ideal solution for residential installations with pets. In order to ensure the PET immunity performance, this detector comes without a swivel.



Specifications	Digital ZoDIAC PIR (RK410PRD000A)	Digital ZoDIAC QUAD (RK410QD0000A)	ZoDIAC PET (RK410PT)
Microprocessor based Digital Signal Processing	✓	✓	✓
Pet Immunity	rodents	rodents	70lb (33kg) dog, 4 cats
Operating Voltage 9 to 16VDC regulated	✓	✓	✓
Current Consumption	14mA	14mA	15mA
Alarm Contacts NC, 100mA, 24VDC maximum	✓	✓	✓
Tamper Contacts NC, 100mA, 24VDC maximum	✓	✓	✓
Alarm Time 2,2 seconds minimum	✓	✓	✓
Adjustable Pulse Count 1,2,3	✓	✓	✓
Temperature Compensation Automatic, thermistor controlled	✓	✓	✓
Swivel adjustment Horizontal: ±25° Vertical: +5°, -20°	✓	✓	N/A
Optical filtering White light protection, pigmented lens	✓	✓	✓
Optional long range lens (RL407H)	✓	✓	N/A
RF Immunity (10MHz to 1GHz)	20V/m	25V/m	20V/m
Operating Temperature -10°C to 50°C (14°F to 122°F)	✓	✓	✓
Storage Temperature -20°C to 55°C (-4°F to 131°F)	✓	✓	✓
Dimensions 107 x 58 x 39 mm (4.2 x 2.3 x 1.5in)	✓	✓	✓



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