

# Digital Eye•Spy II

## PIR Motion Detector

The Eye-Spy II ASIC chip uses fine signal processing to analyze incoming signals properties: Level, Speed, Shape and Duration. If the signal matches human movements characteristics, the detector goes into alarm.

This technology automatically adapts its alarm threshold level when faced with a wide variety of environmental disturbances. The result is total false alarms immunity and improved detection.



Eye•Spy II

### High Performance Digital Passive Infra Red Detector

- Digital ASIC with Analog Channel
- Dual or Quad Sensors
- Spherical Fresnel Lens with Anti-Halogen Layer
- Integrated Sealed Optics
- False Alarm Extreme Immunity
- Accurate Temperature Compensation (+/- 0.2°C)
- Adjustable Pulse Count • Sensitivity Fine Tuning
- Built-In EOL Resistors
- Durable, Compact 3 mm Housing
- Fully Computerized Quality Control Testing
- High Immunity to RFI
- Professional Swivel Bracket
- Easy and Fast installation



DigiTal  
**Eye•Spy II**

**AV-GAD**  
systems Ltd.

# Digital Eye•Spy II

## PIR Motion Detector

Eye•Spy II

### Eye-Spy II – The choice of professionals

#### Optical advantages

- Patented Spherical Lens with Anti-Halogen Layer
- Unique 1.5 mm Hard Lens
- Sealed Optics to Insure False Alarm Free
- Creep (lookdown) Zone



#### Latest technology

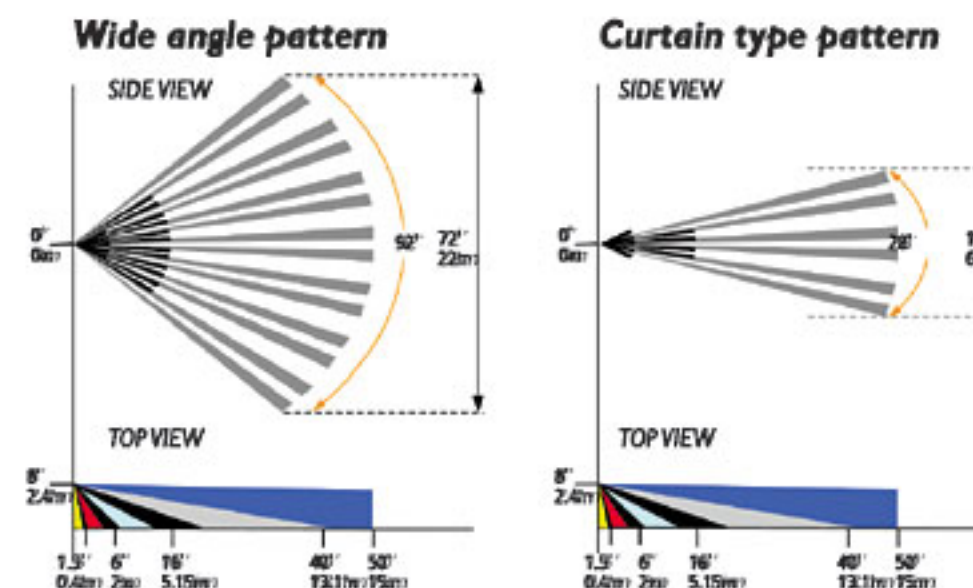
- Digital ASIC Processor With Analog Channel for Temperature Compensation
- Solid-State Relay Insure Quiet Operation and Extreme Reliability
- Built-in EOL Resistors: Separate for Alarm and Tamper
- Digital Pulse Count – Single or Triple Pulses
- Sensitivity Switch Selector and Fine-Tuning

#### Wide selection

- Eye-Spy II PIR for Wall or Corner Mounting
- Professional Swivel Bracket with Built-In Cable Channel and Tamper
- Swivel Bracket Supplied with Eye-Spy II PRO and Quad Pet
- Quad Pet Type – Allows Pets to Move Around the Protected Area
- Curtain Barrier Type – Allows Residents to Walk in the Protected Areas
- Special options: Back Tamper for PIR and Swivel bracket
- Pending Most International Standards



Digital ASIC



#### Technical Specifications:

##### Electrical

- Sensor: Dual and Quad (Pet type) element
- Processor: Digital ASIC with analog channel
- Operating Voltage: 8.4 to 16V DC
- Current: 7 mA at 12 volts (with LED off)
- Temperature Compensation: Via Analog Channel Automatically
- On Board EOL Resistors: 2.2K and 4.7K
- Alarm Output – Solid State Relay: 0.1 amps @ 24V DC, N.C.
- Tamper Contacts: 0.5 amps @ 24V DC, N.C.
- Warm Up Period: 22 sec. +/- 2 sec.
- RFI Immunity: 30V/m, 10-1000 MHz
- EMI Immunity: 50,000V Electrical Interference

##### Optical & Environment

- Lens: Hard Spherical with Anti Halogen Light Protection
- Swivel Bracket Adjustment: Horizontal (tilt): 25 Vertical (pan): +5, -15
- Relative Humidity: Up to 90%
- Operating Temperature: -10 to +50°C (+14 to +122°F)
- Storage Temp.: -20 to +60°C (-4 to +140°F)
- Size without swivel: 7.7 x 6.6 x 3.9 cm (3.0 x 2.6 x 1.5 in.)

Specifications are subject to change without prior notice.

Visit us at [www.av-gad.com](http://www.av-gad.com)

AV-GAD Systems Ltd. Panarama House  
84, Ben-Zvi Road Tel Aviv 68104, Israel  
Mail: P.O.B. 49080, Tel Aviv 61490, Israel  
Tel: 972-3-681 67 67, Fax: 972-3-683 55 05  
E-mail: [avgad@inter.net.il](mailto:avgad@inter.net.il) [www.av-gad.com](http://www.av-gad.com)



© Av-Gad Systems Ltd. Eye•Spy II January 2003