



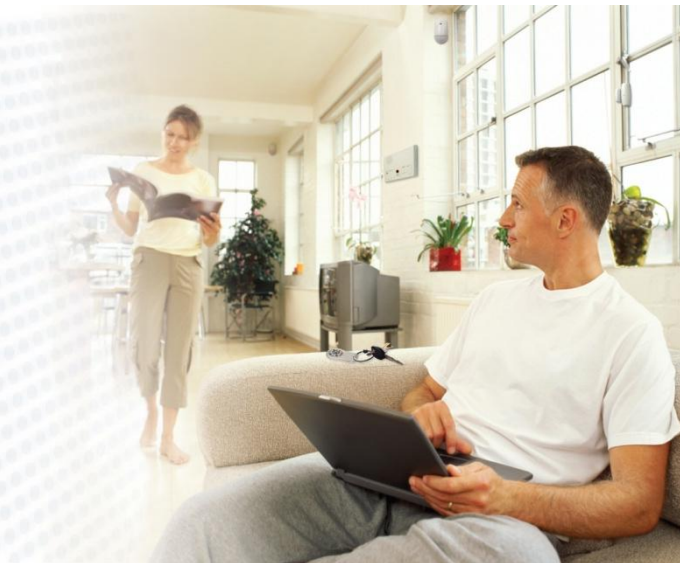
part of the **Essence Group**

Motion Detector

ES700PIR

State-of-the-art passive infrared detection

- ✓ 4th-generation DragonflyEye™ multi-zone spherical lens with "pet-immunity"
- ✓ Daylight and insect immunity with sealed optics
- ✓ Tamper-proof wall mount
- ✓ Wireless and battery-operated for easy, maintenance-free installation
- ✓ More than 3 years of usage on a single CR123A Lithium battery



The ES700PIR Motion Detector seamlessly integrates with the EverGuard and EverGuard Express control panels and other products from Essence Security

With millions of systems and security peripherals installed internationally, Essence Security is a technological and market leader in the field of advanced security solutions for homes, offices and full-service central monitoring stations



ES700PIR Motion Detector

DESCRIPTION

- The ES700PIR is a bi-directional wireless digital PIR detector.
- Utilizing proprietary 4th-generation DragonflyEye™ technology, the ES700PIR provides exceptional detection coverage, range and angle.
- Additionally, the ES700PIR has sealed optics and is immune to light and insects, further reducing false alarms.
- Advanced detection algorithms for false alarm suppression

WIRELESS

- Bi-directional: End-to-End Bi-Directional ESI protocol
- Advanced radio supervision algorithm
- Up to 700 meters RF range (open air)
- Modulation and Frequency: BFSK , 868.3 MHz (Europe) or 916.5 MHz (US)
- Encoding: 32-bit ID, over 4 billion combinations

This device complies with FCC Rules Part 15 and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

SECURITY

- Tamper Mechanism
- Unique electronic serial number

POWER CONSUMPTION

- Long operational period (over three years) without external power source
- Uses a single CR123A Lithium battery

SIZE & WEIGHT

- 106 mm (l) x 60 mm (w) x 51 mm (h)
- 67 grams + 19 grams wall-bracket + 17 grams battery (CR123A)

ENVIRONMENTAL

- Operating Ambient Temperature range: -5° - 55° Celsius
- Humidity: Up to 95% non condensing

CERTIFICATIONS AND APPROVALS

- CE: CE mark, EMC/EMI according to ETSI EN 301 489-4, ETSI EN 301 489-1, EN 50130-4:1996, EU Directive 1999/5/EC for R&TTE
- Radio: ETSI EN 300 220-3, ETSI EN 300 220-1, CEPT/ERC Recommendation 70-03, EN 50131-5-3:2005 + A1:2008
- Safety: EN/IEC60950-1, TUV: UL60950-1, NOM
- Security & Alarm systems: EN 50131-1:2006 + A1:2009 Class-II Grade-2, EN 50131-2-2:2008 Class-II Grade-2, EN 50131-6:2008 Type-C
- Environmental Regulation: RoHS 2002/95/EC
- Reliability (Mechanical & Environmental conditions): EN 50130-5:1999 and IEC 60068
- Manufacturing and Materials Standards: ISO 9001:2008, ISO 14000

ADDITIONAL INFORMATION

- Detection Type: Passive Infrared
 - Insect Immunity: Sealed Optics
 - Pet Immune (option)
- Installation: Standard PIR wall mount using double-sided tape

Certifications and approvals:



NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Essence Ltd.) could void the user's authority to operate the equipment.



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