Care@Home™
Motion Detector

ES700PIR
Passive Infra-Red (PIR) Motion Detector

Product

With its advanced technology and ease of installation, this wireless motion detector is the perfect inactivity detection device, in any home, for **Care@Home**™.

It features:

- Sealed optics immune to external light and insects, as well as optional pet immune lens to reduce false alarms
- Multi-zone spherical lens for exceptional detection coverage (90º horizontal, 50º vertical)
- Extreme temperature detection
- Spot detection option
- Installation either by double-sided adhesive tape or with screws

Smart Care

Essence Care@Home™ multi service platform is an Aging-in-Place product suite that offers a seamless health monitoring experience allowing independence for seniors and peace of mind to their loved ones.

Care@Home™ allows service providers the flexibility to offer their customers services ranging from emergency alerting to a professional intelligent home care solution, which constantly learns and adapts to the daily behavior of individuals and provides alerts with different severity levels based on deviation from the daily routine.

The Care@Home multi service platform includes:

- Care@Home PERS + Advanced Emergency Response Alarm
- Care@Home Family Monitoring
- Care@Home Pro Intelligent Home Care Solution

Specifications

COMMUNICATIONS

- **Maximum RF range:** Up to 400 m (1,312 ft.) – open air
- **Protocols:** Proprietary bi-directional radio protocol
- **Modulation and frequency**: FSK modulation:
    - 869.225 MHz (Europe)
    - 868.3 MHz (China)
    - 916.5 MHz (North America and Australia)
- **Data security**: 32-bit ID, over 4 billion combinations

SECURITY

- Tamper mechanism
- **Detection range:** Up to 12 m (39.4 ft.)

POWER CONSUMPTION

- **Batteries**: 3V CR123A lithium battery
- **Batteries nominal voltage**: 3V
- **Battery life**: Up to 3 years

DIMENSIONS

- **Size** (H x W x D)**:** 106 x 60 x 51 mm - 4.17 x 2.36 x 2.01 in.
- **Weight**: **(including batteries)**: 84 g (0.165 lbs.)

ENVIRONMENT

- **Storage ambient temperature range:** -20ºC – 70ºC (-4ºF – 158ºF)
- **Operating ambient temperature range:** -10ºC – 55ºC (14ºF – 131ºF)
- **Operating humidity**: Up to 93% non-condensing

SPECIAL FEATURES

- 4G DragonFlyEye™ technology
- Temperature compensation for the PIR element
- **Optional:** Pet immune lens
- **Sensor:** Sealed optics for insect immunity
- Optical limiter for spot detection option

COMPLIANCE

- CE, FCC, IC, UL

essence
Better life made possible™

ESUG05085 Rev.1.8. For more information, go to: http://www.essence-grp.com/smart-care