



# WeR@Home™

## Motion Detector Datasheet



ES800PIR  
Passive Infrared (PIR) Detector

### Product

With its advanced technology and ease of installation, this PIR motion detector is perfect in any home.

Features include:

- Sealed optics, immune to external light and insects, that reduce false alarms
- Advanced proprietary technology
- Multi-zone spherical lens for exceptional detection coverage (up to 90° horizontal, 105° vertical)
- Red LED walk-through test mode (30 minutes after power-up)
- Efficient power consumption to extend the operational period
- Supports automatic over-the-air software programming and configuration upgrade (RSU)
- Easy Installation: double-sided adhesive tape

### WeR@Home™ Smart Living

The WeR@Home™ suite allows living life fully through smart connected homes

- Home security and safety at the core
- Notifications of security events and remote management of the home in real time
- Modular and expandable - manage connected home devices with Z-Wave® expansion
- Smart Rule engine for automation – decide which device, condition, or event will trigger which actions and at what time
- Live HD video – anytime, on any screen
- Save energy and money by ensuring that lights and air conditioning are turned off when not at home

### Specifications

#### COMMUNICATIONS

- **Maximum RF range:** 500 m (1,640 ft.) open air
- **Maximum transmission:** 25 mW (14 dBm)
- Proprietary bi-directional radio protocol
- **Modulation and frequency:** DSSS, 2.4 GHz
- **Data security:** 128 bit AES encryption

#### SECURITY

- **Tamper alarm:** when unit is tilted
- **Detection range:** up to 12 m (39 ft.)

#### POWER

- Two AA size alkaline batteries
- Three years battery life

#### DIMENSIONS

- **Size (H x W x D):** 114 x 60 x 50 mm (4.5 x 2.4 x 2.0 in.)
- **Weight:** 90 g (0.2 lb.) + 30 g (0.07 lb.) batteries

#### ENVIRONMENT

- **Storage ambient temperature range:** -20°C to 50°C (-4°F to 122°F)
- **Operating ambient temperature range with batteries:** 0°C to 50°C (32°F to 122°F)
- **RF operating humidity:** up to 95% non-condensing

#### SPECIAL FEATURES

- 4G DragonFlyEye™ lens technology for optional pet immunity
- Optional up to 30 kg (66 lb.) pet immune lens
- Temperature compensation

#### COMPLIANCE

- **FCC:** Y41-M800PIR
- **IC:** 11061A-ES800PIR



ESUG05062 Rev. 2.2 For more information, go to: <http://www.essence-grp.com/smart-living/wer-at-home>