



WeR@Home™

Door/Window Sensor Datasheet



ES800MGL
Magnetic sensor with dual LEDs and optional
tamper switch

Product

Magnetic contact sensor with modern and compact design.

Features include:

- Two elements: a transmitter and a magnet
- Dual LED (green/red) for open/close indication respectively
- Optional: tamper switch for notification of tamper events
- Supports automatic over-the-air software programming and configuration upgrade (RSU)
- Efficient power consumption to extend the operational period
- Easy installation: double-sided adhesive tape

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

- **Optional tamper mechanism with double trigger:**
 - When the transmitter is removed from its mounting base
 - When the device is removed from its location

POWER

- One AA size alkaline battery
- Two-year battery life

DIMENSIONS

- **Transmitter**
Size (H x W x D): 72 x 30 x 25 mm (2.8 x 1.2 x 1.0 in.)
Weight: 25 g (0.06 lb.) + 15 g (0.03 lb.) battery
- **Magnet**
Size (H x W x D): 52 x 24 x 18 mm (2 x 0.9 x 0.7 in.)
Weight: 25 g (0.06 lb.)

ENVIRONMENT

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

COMPLIANCE

- **FCC:** YXG-ES800MGL
- **IC:** 11061A-ES800MGLI

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



ESUG05061 Rev. 2.6 For more information, go to: <http://www.essence-grp.com/smart-living/wer-at-home>

