



# WeR@Home™

## Smoke Alarm Datasheet



ES800SK2  
Optical Smoke Alarm

### Product

A stand-alone, 24x7 integrated smoke alarm.

Features include:

- Visual indication with tri-color LED:
  - Red – smoke alarm
  - Green – power status
  - Yellow – low battery or chamber degradation
- Works independently of WeR@Home™ - emits an alarm when the hub is disabled
- Test/Mute button
- Efficient power consumption to extend the operational period
- Siren emits sound of 85 dBA (from 3 m)
- Supports automatic over-the-air software programming and configuration upgrade (RSU)
- Accessories included:
  - Two Philips cross recessed flat countersunk head screws type DIN7892C ST3.5x32
  - Two plastic series 108 wall anchors, drill hole diameter 5 mm, length 25 mm

### 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

#### SECURITY AND SAFETY

- **Tamper alarm:** when detached from base
- **Concurrent operation modes:** integrated with WeR@Home™, yet also independent of WeR@Home™ hub operation

#### POWER

- Two AA size alkaline batteries
- Two years battery life
- Mechanism prevents installation without battery

#### DIMENSIONS

- **Size (H x Diameter):** 47 x 135 mm (1.9 x 5.3 in.)
- **Weight:** 210 g (0.46 lbs.) including battery

#### ENVIRONMENT

- **Storage ambient temperature range:** -20°C to 60°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, IC
- UL 217
- EN14604

### 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



ESUG05063 Rev. 2.5 For more information, go to: <http://www.essence-grp.com/smart-living/wer-at-home>