

Care@Home™ Smoke Detector

Wireless Integrated Smoke Detector



Wireless, integrated, smoke detector for the Care@Home™ system.

Features include:

- Photoelectric detection technology
- Standalone operation mode
- Local temperature measurement and the Extreme Temperature Alert
- Support of automatic over-the-air software programming and configuration upgrade (RSU)
- Test/Mute button
- Siren emits a sound of 85 dBA (from 3 m).
- Installation with screws
- Visual indication with tri-color LED:
 - Red for smoke alarm
 - Green for power status
 - Yellow for low battery/chamber degradation



Essence Care@Home™ enables families to be confident that their dear ones are cared for, while end-users are able to maintain their independent lifestyle. The award-winning Care@Home™ Multi-Service Platform is an Aging-in-Place product suite that offers seamless home care monitoring indoors and outdoors, allowing independence for seniors and peace of mind to their loved ones. Essence is spearheading a paradigm shift in seniors' Aging in Place experience.



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)
 - 916.5 MHz (North America and Australia)
 - 922.5 MHz (Japan, Singapore, and Thailand)
- **Data security:** 32-bit ID, over 4 billion combinations

SECURITY

- **Tamper mechanism:** Triggered when detached from base
- Special mechanism to prevent installation without batteries
- **Autonomous alarm:** Operation continues even if the control panel is out of service or communication is suspended

POWER

- **Batteries:** Two AA 1.5 V alkaline batteries
- **Battery life:** Up to two years

DIMENSIONS

- **Size (D x H):** 135 x 48 mm (5.32 x 1.89 in.) including ceiling/wall mount
- **Weight:** 214 g (0.47 lbs) including batteries

ENVIRONMENT

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

CERTIFICATIONS and APPROVALS

- EN 14604:2005
- FCC
- IC
- CE
- UL
- cUL
- California Fire Marshall compliance

PART NUMBER: ES700SK2