



part of the **Essence Group**

Smoke Detector

ES700SK2

Wireless smoke detector

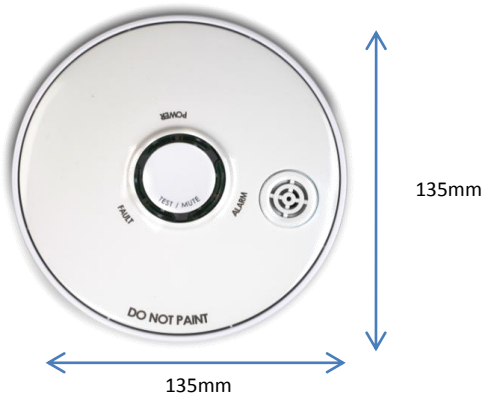


- ✓ Emits status warnings to the residents in the house
- ✓ Sends smoke alarm notifications to the monitoring station and other external services
- ✓ Uses a safe, photo-electric sensor mechanism
- ✓ Includes a loud and powerful siren
- ✓ Visual indicators via a Tri-color LED
- ✓ Requires 2 AA Alkaline batteries



The ES700SK2 Smoke Detector seamlessly integrates with the VeriSure family of control panels and other products from Essence Security

With millions of systems and security peripherals installed internationally, Essence Security is a technological and market leader in the field of advanced security solutions for homes, offices and full-service central monitoring stations



ES700SK2 Smoke Detector

DESCRIPTION

- The ES700SK2-GN is a bi-directional RF battery-operated smoke detector designed to be placed on ceilings
- Based on a photoelectric smoke detecting chamber
- Smoke detection is indicated by a loud buzzer of 85dB from 3m , a red LED indicator on the device and via a remote connection to the Control Panel
- The buzzer functions and warns even if the Control Panel is not working or communicating

WIRELESS

- Bi-directional: End-to-End Bi-Directional ESI protocol
- Advanced radio supervision algorithm
- Up to 700 meters RF range (open air)
- Modulation and Frequency: BFSK , 868.3 MHz or 916.5 MHz
- Encoding: 32-bit ID, over 4 billion combinations

OPERATION MODES

- Normal (armed)
- Test

SIGNALS

- Normal operation (red LED flashes once every 27-36 seconds)
- Low battery warning (chirps once every 27-36 seconds with red LED flashing)
- Low sensitivity of chamber/detector (chirps once every 36 seconds without red LED)
- Improper installation (emits loud, continuous tone)
- Test – pass (3 beeps , pause, and then 3 more beeps with red LED flashing continuously and rapidly)
- Test – fail (1 beep with red LED flashing once, and yellow LED flashing 3 times)

This device complies with FCC Rules Part 15 and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:
 (1) This device may not cause harmful interference, and
 (2) This device must accept any interference received, including interference that may cause undesired operation

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

SECURITY and SAFETY

- Tamper Mechanism: Triggered when detached from base
- Special Mechanism: Prevents installation without batteries
- Autonomous Alarm: Functions and warns even if the Control Panel is out of service or communication is suppressed
- Unique electronic serial number

POWER CONSUMPTION

- Long operation period: over 36 months
- Uses two AA Alkaline batteries, Manufacturer: GP , model: 15AU , size: LR6, 1.5V*2

SIZE

- Diameter-135mm / H-48mm including wall mount
- Weight: 214 grams (including batteries)

ENVIRONMENTAL

- Operating temperature range: -10 °C ~ 55 °C (battery dependent)
- Humidity: Up to 85% non-condensing

CERTIFICATIONS AND APPROVALS*

- CE: CE mark, EMC/EMI according to ETSI EN 301 489-4, ETSI EN 301 489-1, EN 50130-4:1996, EU Directive 1999/5/EC for R&TTE
- Radio: ETSI EN 300 220-3, ETSI EN 300 220-1, CEPT/ERC Recommendation 70-03, EN 50131-5-3:2005 + A1:2008
- Safety: EN/IEC60950-1, TUV : UL 60950-1
- Security & Alarm systems: EN 50131-1:2006 + A1:2009 Class-II Grade-2, EN50131-6:2008 Type-C
- Smoke detectors: EN 14604:2005
- Environmental Regulation: RoHS 2002/95/EC
- Reliability (Mechanical & Environmental conditions): EN 50130-5:1999 and IEC 60068
- Manufacturing and Materials Standards: ISO 9001:2008, ISO 14000

Certifications and approvals:



NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Essence Ltd.) could void the user's authority to operate the equipment.



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