



Essence
SECURITY

part of the **Essence Group**

Magnetic Detector with Shock sensor and Input

ES700MGLS

Door and Window Sensor

- ✓ Magnetic detector using a dual-LED, (green/red) for open/close, visual indicators
- ✓ Advanced shock filtering algorithm detects surface vibrations and minimizes false alarms
- ✓ Integrated input for wired detector: security sensor, safety detector (e.g. water leakage) or SOS button
- ✓ Long battery life
- ✓ Very easy to install with a double-sided adhesive tape



*The ES700MGLS Magnetic 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



ES700MGLS

Magnetic Detector with Shock sensor and input

DESCRIPTION

A 3-in-1 solution for break-in detection and legacy wired device absorption. The ES700MGLS satisfies three functional needs with a single device installation:

- Magnetic detector using a dual-LED, (green/red) for open/close, visual indicators
- Advanced shock filtering algorithm detects surface vibrations and minimizes false alarms
- integrated input for wired detector: security sensor, safety detector (e.g. water leakage) or SOS button

Installation in seconds with double-sided adhesive tape mounting

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



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- Encoding: 32-bit ID, over 4 billion combinations
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- Tamper Mechanism: Double Triggered Tamper – Top & Wall
- Unique electronic serial number

POWER CONSUMPTION

- Long operation period (over 36 months) without external power source
- Uses one 3V CR123A Lithium Battery

SIZE & WEIGHT

- Size:
 - Detector = H-25mm/ L-98mm/ W-25mm
 - Magnet = H-10mm/ L-46mm/ W-14.5mm
- Weight:
 - Detector = 45 grams (incl. battery)
 - Magnet = 25 grams

ENVIRONMENTAL

- Operating Ambient Temperature range -5° - 55° Celsius
- Humidity: Up to 95% 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, EN 50131-2-6:2008 Class-II Grade-2, EN50131-6:2008 Type-C
- 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



* Some certification processes are in progress