

Smoke Generating Security Device

Integrated, remotely triggered, smoke-generating security device. Features include:

- Voice announcements to warn off intruders
- PIR motion detection
- Multiple tamper mechanisms
- Battery or AC adapter powered
- Easy installation integrated wall mount
- Remote OTA software updates
- Built-in self-test reporting
- Wired input allows activation by third-party devices
- Multi-device and multi-user capabilities
- Can be used in multiple configurations:
Cellular and wired input, Cellular only, wired input only



*Some features require cellular connectivity

ESSENCE SECURITY

Solutions from Essence Security provide professional-grade security with highly dependable and tailored smart solutions that will increase customer loyalty and satisfaction.

PART NUMBERS

- MyShield: ES900MSN
- Smoke canister: ESPL06219
- Simulator canister for installation: ES900CANS-GN-M02
- Simulator canister for demo: ES900CANS-GN-M01

SPECIFICATIONS



CONNECTIVITY

- LTE Cat-M1, supporting MQTTs and HTTPs

MOTION SENSOR

- **PIR:** FOV 155° up to 12m (39 ft.)
- **PIR (with pet immune):** FOV 146° up to 10m (33 ft.)

INTERFACES

- Wired Input
- LED signals

TAMPER MECHANISMS

- Unmounting from wall
- Smoke canister removal
- Wired-Input cable cut – (reliant on in-line resistor being maintained)

POWER

- **Operating Voltage:** 9VDC
- **Batteries:** Six CR123A
- **Battery life:** Up to two years
- **External power:** 12VDC – Optional

AUDIO

- **Microphone:** MEMS-type digital
- **Speaker:** 40mm, 4 Ohm, 3W

DIMENSIONS

- **Size (H x W x D):** 208 mm (8.2 in.) x 132 mm (5.2 in.) x 78 mm (3.1 in.)
- **Weight:** ~1 kg (~2.2 lbs.) including batteries and smoke canister

ENVIRONMENT

- **Storage ambient temperature range:** -20°C to 70°C (-4°F to 158°F)
- **Operating ambient temperature range with battery:** -10° C to 55° C (14°F to 131°F)
- **Operating humidity:** Up to 95% non-condensing
- **Water and dust resistant:** IP21 compliant

SMOKE CANISTER

- **Smoke deployment duration:** approximately 30 seconds
- **Dimensions (D x H):** 71 mm (2.8 in.) x 131 mm (5.1 in.)
- **Weight:** 400 g (0.88 lbs.) with saturable volume 70 m³ (2472 ft³)
- **Storage ambient temperature range:** -20°C to 75°C (-4°F to 167°F)
- **Life span:** Single use with expiration – 5 years from production date

CERTIFICATIONS, APPROVALS or TESTS

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|--------------------------------------|--------------------------------------|
| • EN 50131-1:2006 + A3:2020 | • EN 62368-1 |
| • EN 50131-13:2020 Grade 2 (tested) | • EN 61000-6-3 |
| • EN 50131-6:2017 + A1:2021 – Type C | • EN 301 489-1 |
| • EN 50130-4:2011 + A1:2014 | • EN 301 489-3 |
| • EN 50130-5 Environmental Class II | • EN 901-908-CAT-M |
| • EN 50131-10: 2014 | • EC category: P1 (canister) |
| • EN 50136-2:2013 + A1:2023 SP3 | • UN 0432 class code 1.4S (canister) |