



## KEY FEATURES

- **Non-intrusive:** no sound recording, or forwarded, only metadata are analysed.
- **Sensitivity adjustable** according to the constraints related to its installation.
- **Self-Learning** of the usual ambient sound conditions.
- **Connectable** to all systems with contact inputs.
- Behaves like any **dry contact detector**.
- **Compatible** with most security systems

## Where is it useful ?

- Premises to be protected from break-in attempts

## LASCO OUTDOOR

### Automatic sound detector of rotary tools for cutting or drilling

This smart detector was developed for outdoor environment. Its embedded artificial intelligence constantly analyses the usual ambient sound conditions of the space where it was placed. It detects the occurrence of sounds emitted by the usage of powered rotary tools like drills or grinders. No sound is recorded, a total respect for privacy is thus guaranteed. This detector is stand-alone, sound capture and analysis are integrated. Lasco can be connected to any security system equipped with contact sensing.

A powerful processor:

- Continuously determines the properties of the ambient sound within the detection radius.
- Detects sounds emitted by rotary tools often used in break-ins. It detects long, intense and strident sounds such as a drill or a grinder being used.

The Lasco has **4 sensing sensitivity levels** that can be set using a switch. Sensitivity is to be adapted according to the distance between the detector and the presumed sound source.

When installing, simply position the switch to the desired level of sensitivity :

- 0 : corresponds to a distance of approximatively 3 meters
- 3 : corresponds to a distance of approximatively 10 meters.

- 1 and 2 correspond to intermediate distances.

**WARNING :** the resonance of the environment in which the detector is placed may cause this settings to change slightly.

Like all SENSIVIC products, Lasco has an integrated machine-learning system that allows it to adapt to the ambient sound conditions in order to notify only the most relevant events.

The hearing area covers up to 360 °.

## SPECIFICATIONS

### Power requirements:

- Voltage: from 9 to 36 Vdc.
- Auto Polarity
- Power supply: 250mW.

### Environmental conditions:

- Temperature: -40 ° C to + 85 ° C
- Humidity: up to 95% without condensation.

### Dimensions :

- ABS case IP65
- 90 mm x 90 mm x 60 mm
- weight : approx. 500g

### Mounting :

- on wall, on grid or on mast.
- Connections :
- Standard terminal block, 4 positions, screw, for power supply and contact output.

- Dry contact activation jumper : NO if absent , NC if present.

- 4 position switch to choose exploitation profile.

### Hearing system:

- Built-in sound sensor.
- Detection of abnormal sound triggers a notification by activating the contact.

### Notifications:

- 1 isolated contact output
- Configurable NO or NC
- Activation time: 1500 ms
- Masking time: 10 s
- Voltage up to: <48V
- Current :<150 mA