



SOKO indoor - ref. 2P22002
Indoor Detector (IP20)



KEY FEATURES

- **Non-intrusive:** no sound recording, or forwarded, only metadata are analysed.
- **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 ?

- Indoor car parks
- Banking agencies
- Shops
- Supermarkets
- Offices
- Corridors
- Reception Halls
- ... (non-exhaustive list)

SOKO INDOOR

Automatic Abnormal Sounds Detector powered by Machine-learning

This smart detector is equipped with an integrated sound pickup system. It continuously analyses the usual sound environment of the site where it was placed. It detects abrupt sound events such as "shocks", which are out of the ordinary. Thanks to its machine-learning system, it adapts automatically to the ambient sound conditions. This detector can be connected to any system equipped with contact sensing.

A powerful processor :

- continuously determines the properties of the ambient sound within the detection radius,
- detects abnormal sound events.

The sound environment varies according to the time of day and attendance at the place. It consists of a permanent acoustic background, repetitive sound occurrence and unusual sound events.

The sound system of the Soko continuously collects the sound activity of the place. Normal sound activity is identified and followed by machine-learning while unusual sound events are signalled by a notification activating a contact. The Soko detects **sudden and short new sound events** (less than 500 ms), with a signature distinctly different from the ambient sound,.

It detects, in all situations

- **Detonations:** shots, explosions...
- **Glass breakage**
- Shocks related to vehicles: ram cars, accidents ...

In a quiet environment, it can also detect metallic shocks (shocks on gates or barriers)... or any noise that would naturally surprise a person in a peaceful environment.

Detection radius is adjustable by a 4 position switch.

- 0 : up to 2 m
- 3 : up to 10 m
- 1 and 2 correspond to intermediate distances.

The listening 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.

Packaging:

- Circular ABS white case
- Ø 110mm x eight 30mm
- Weight: 80g

Mounting:

- Under ceiling

Connections:

- Standard terminal block, 4 positions

switch, power supply and contact output.

- Dry contact activation jumper : NO if absent , NC if present.
- 4 position switch for exploitation levels.

Sound system:

- Built-in sound sensor.
- Detection of gunshot 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 for contact: <48V
- Current for contact: <150mA