



MUTY - ref. 2M22002
Indoor Detector (IP20)



KEY FEATURES

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

Where is it useful?

- Public places (counters, post offices, medical emergencies, arts centres, galleries, etc.)
- Banking agencies
- Shops
- Offices
- Reception Halls
- ... (non-exhaustive list)

MUTY

Automatic smart detector for verbal aggressions

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 sudden changes in sound levels associated to an abnormal flow in the range of the human voice. Thanks to its self learning system, it adapts automatically to the ambient sound conditions. no sound is recorded thus privacy is totally guaranteed. This detector can be connected to any security system equipped with contact inputs.

A powerful processing unit:

- permanently determines the properties of the ambient sound in the range of the detector,
- detects abrupt and sudden increases in sound level in the human voice range ,associated with modification of the flow.

The sound environment varies according to the time of day. It consists of a permanent sound background, repetitive sounds and unusual sound events.

The sound system of the Muty continuously collects the sound activity of the place. **The normal sound activity is identified and followed by machine-learning. Abnormal variations are indicated by a notification** associated with the closing (or opening) of a contact output.

The listening space covers up to 360 °.

The Muty detects **strong increases of voices levels associated with variations of rhythm in comparison to the general ambiance** of the place. These sounds can indicate reactions of **strong nervousness** or **anger** which correspond to a potential verbal aggression.

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

The sensitivity of the detector must be adjusted according to presumed sound source. A switch allows the user to choose between 4 levels of sensitivity ranging from 0,5 m to 4 m approximatively.

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 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 for contact: <48V
- Current for contact: <150mA