



# SPC PRO

## Indoor dual-tech shock detectors

NEW



**SPC PRO** is a range of stand-alone indoor intrusion detectors. It employs the **DEA Sensor Fusion (DSF)** detection technology **to protect doors, windows and walls** against break-in attempts. Depending on the model, SPC PRO detectors are employed on **doors, windows, skylights, glazed surfaces** and different types of **walls**, including masonry and reinforced concrete walls.

The detectors perceive the impacts and the vibrations generated by attempts of forcing, breaking through or drilling the protected structure. **They employ two different sensitive elements:** a PIEZOELECTRIC transducer and a MEMS accelerometer. The signals received by each transducer are fused and processed using **Intelligent Adaptive Algorithms**. Being stand-alone, the four detectors do not need any separate processing board and can be directly interfaced with any control panel.

The DSF dual-tech technology projects SPC PRO among the state-of-the-art intrusion detection systems. As a matter of fact, relying on two distinct signal sources fused and processed by intelligent algorithms allow the new sensors **to adapt to different applications** and to operate in an unparalleled way.

# SENSORS

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## SN-SPCP-FDR1(M) - DETECTORS FOR DOORS AND WINDOWS

It protects doors, windows, skylights and relevant glazed surfaces against **burglary, breaking through** and **opening**. It employs tamper devices to signal removal, opening and magnetic masking attempts of the sensor.

Configuration and calibration of the sensor are easily performed via a **dedicated app for iOS and Android**. By app it is possible to select a default calibration depending on the type of structure to be protected or to fine-tune the parameters related to the single attack modes (burglary, breaking through and cutting/drilling).



### KEY BENEFITS

- **Calibration and configuration via Wi-Fi mobile app**
- Magnetic contact with **anti-masking technology** (FDR1M version)
- Tamper device detecting the case opening and **the magnetic tamper** events
- **Anti-removal device** which detects the removal of the sensor from the structure
- **Easy calibration** per type of structure and **advanced custom calibration**
- **Multi-colour LED** for alarm signalling and configuration activities

✓ *SN-SPCP-FDR1 is designed in accordance with Security Grade 3 and Environmental Class II of EN 50131-2-8 standard.*  
 ✓ *SN-SPCP-FDR1M is designed in accordance with Security Grade 3 and Environmental Class II of 50131-2-8 and EN 50131-2-6 standards.*



## SN-SPCP-FWL - DETECTOR FOR WALLS

It protects masonry walls against **breaking, breaking through** and **drilling**. It can be installed on different types of walls, including walls made of bricks, tuff and armoured concrete. The detector employs tamper devices to signal removal, opening and thermal sabotage of the sensor.

Calibration and configuration of the detector are easily performed via a **dedicated mobile app for iOS and Android**. By app you can select one of the default calibrations for each type of wall to be protected (for eg. tuff, doppio UNI Italian Standard for hollow bricks and concrete) or fine-tune the parameters related to the specific attack modes (breaking, breaking through and drilling).



### KEY BENEFITS

- **Configuration and calibration via Wi-Fi mobile app**
- Protection of any type of **masonry** and **armoured concrete** wall
- **Thermal tamper** device
- **Anti-removal device** which detects the removal of the sensor from the structure
- **Tamper device** which detects the **sensor case opening**
- **Cable entry from each side** and available interior compartment for cabling
- **Simplified calibration** per type of structure and **advanced custom calibration**
- Remote command to reduce sensitivity
- **Remote command for self-test**
- **Multi-colour LED** for alarm signalling and configuration activities

✓ *SN-SPCP-FWL è compatibile con la norma CEI 79-2:1998 - Livello di prestazione 2*

## SN-SPCP-FDR2(M) - DETECTOR FOR DOORS AND WINDOWS

It protects doors and windows against **burglary, breaking through** and **opening**. It employs tamper devices to signal sensor removal and opening.

Unlike FDR1 model, calibration and configuration of the detector are performed via DIP switches through which it is possible to set 8 sensitivity parameters, including three default parameters for the most common types of structure and material.



### KEY BENEFITS

- **Calibration and configuration via DIP switches**
- **Anti-opening magnetic contact** (FDR2M version)
- **Anti-removal device** which detects the removal of the sensor from the structure
- Tamper device which detects the sensor case opening
- **Simplified calibration** per type of structure and **custom calibration**
- **Multi-colour LED** for alarm signalling and configuration activities

✓ *SN-SPCP-FDR2 is designed in accordance with Security Grade 3 and Environmental Class II of EN 50131-2-8 standard.*  
 ✓ *SN-SPCP-FDR2M is designed in accordance with Security Grade 3 and Environmental Class II of EN 50131-2-8 standard and Security Grade 2 and Environmental Class II of EN 50131-2-6.*

## SN-SPC-GL - DETECTOR FOR GLASS SURFACES

Equipped with anti-removal tamper, magnetic anti-masking and resistor balancing of the output lines, SNSPC-GL is the most reliable and comprehensive seismic sensor **for glass break detection**.

Thanks to the digital sensitivity adjustment on four levels, the detector works best on any type of glass, including multi-layer and reinforced glass. It can be fixed to glass in any plane and orientation by means of the adhesive tape supplied with it. The malicious or accidental removal of the sensor is immediately signalled as tamper alarm.



### KEY BENEFITS

- Calibration via **DIP switches**
- Compatible with **any type of glass**
- **Anti-removal device** which detects the removal of the sensor from the glass
- **Simplified calibration** on 4 sensitivity levels
- **Automatic restore** after alarm
- **Very low consumption**
- **Multi-colour LED** for alarm signalling and configuration activities

✓ *SN-SPC-GL is designed with Security Grade 2 and Environmental Class II of standard EN 50131-2-7-1.*

## THE SERVICE APP

Detectors SN-SPCP-FDR1, SN-SPCP-FDR1M and SN-SPCP-FWL are equipped with a service app, which can be **downloaded free of charge for iOS and Android mobile devices**, this app enables you to configure and calibrate the detectors in a centralized way, using a **Wi-Fi connection**. Una volta collegata, l'app riconosce automaticamente il modello di sensore e mostra i relativi strumenti di configurazione.

Once connected, the app automatically recognizes the sensor model and displays the related configuration tools. More deeply, referring to FDR1(M) sensor, by app you can calibrate the sensor by selecting one of **the three default configurations** (window, wood and concrete, as per standard EN 50131-2-8) or performing a **custom calibration**. In this last case it is possible to create a custom configuration and set, for each type of attack (low attacks, gross attacks and continuous vibrations), the following parameters:

- **the detection sensitivity** (adjustable for breaking through events, as well);
- **the number of events triggering the alarm**;
- **Event Reset Time** between one count and another;
- **the coupling**, the PIEZO/MEMS ratio coefficient.

By app it is also possible to:

- **calibrate the magnetic sensor** (SN-XS-FDRM sensor only);
- view in real-time the **signal graph** and the **event counting**;
- **activate/deactivate the status LED** and configure its behaviour;
- **recognize the specific alarm event** thanks to the explicative graphic icons.



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