



SECURITY®



# A03 PRO

## Indoor detection with analysis unit



**SERIE A03 PRO** is an intrusion detection system for the protection of **windows, doors, glazed surfaces, walls** and **burglar bars**. It is an evolution of the historical **SERIE A03** sensor range, which boasts tens of thousands installations in villas, banks, police stations, shopping centres and luxury shops. The system is composed of four specialized detectors and a **multi-zone processing board** which manages all **SERIE A03PRO** sensors. Calibrations and configurations are performed by means of a user-friendly **service app**.



### MULTI-SENSOR PROCESSING BOARD

A single processing board can manage all **SERIE A03 PRO** sensor models, also in a mixed way. The board is equipped with 4 communication channels: each channel accepts up to 2 sensors of the same type.



### DIFFERENTIATED ALARMS

The sophisticated analysis board employs a powerful CPU ARM and high-performance digital filters to process the signals detected by the sensors and to discriminate the different attacks to the protected structure.



### SPECIALIZED DETECTORS

Thanks to the four different detector models, with a single system and a single analysis board it is possible to protect doors, windows, gratings, glazed surfaces, walls and ceilings.



### CALIBRATIONS VIA MOBILE APP

The system configuration and calibration are performed via a service app, which can be downloaded free of charge for iOS and Android mobile devices, using a secure Wi-Fi connection.



### SIMPLE AND SECURE WIRING

The alarm lines are all multi-balanced and composed of only two non-polarized conductors. The support to “star” topology connections improves the intrinsic security and simplify the system wiring.



### MADE IN ITALY

All the detectors and analysis boards are designed, produced and assembled in Italy, at **DEA Security's** premises, using high-quality components and materials.

# SENSORS

The system employs shock seismic sensors which sense the impacts and the vibrations generated by intrusion attempts, including drilling and cuts performed by means of a core drill or a diamond disc.

**SN-A03P-DRM** detector protects windows and doors, skylights and related glazed surfaces from **shock, opening and breaking through** actions. It is fixed to the frame and can be placed in any orientation. It is equipped with **anti-removal device** able to signal the removal of the sensor from its base or from the frame and with an **anti-masking magnetic contact**. A model of the sensor without magnetic is also available under part number SN-A03P-DR.

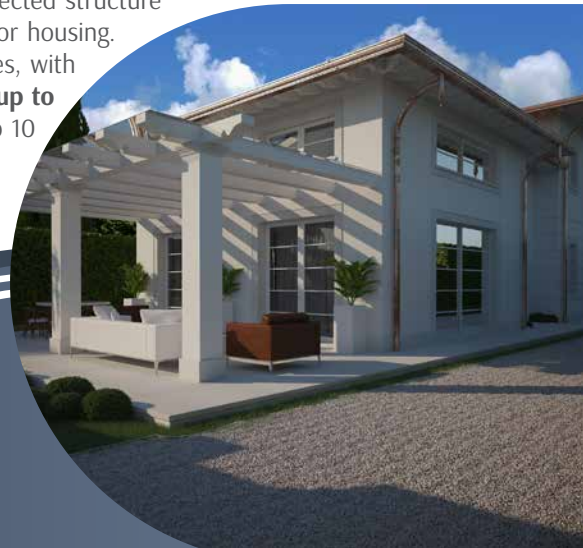
*Security Grade 3 certified – Environmental Class II according to EN 50131-2-6:2008.*



**SN-A03P-GL** detector protects glazed surfaces from **break, drilling and breaking through** actions. Easy and quick to install, the sensor is **fixed to glass** by means of the adhesive tape supplied with it. **Among the compatible glass you can find the multi-layer one**, such as bullet-proof or shatterproof.

**SN-A03P-WL** detector protects walls and ceilings from **drilling and breaking through**. It is equipped with an **anti-removal device** which signals the attempt to removing the detector from the protected structure and with an **anti-opening device** which signals the opening of the sensor housing. The sensor is also available in an unbalanced version for terminated lines, with part number **SN-A03P-WLT**, which allows you to create **detection zones up to 10 sensors**: this means that a single processing board can manage up to 10 unbalanced detectors for each of its 4 channels.

**SN-A03P-GR** detector protects burglar bars and other types of grating from **cut, break and breaking through** attempts of the metal structure. Designed to operate outdoor, the sensor equipped with a **metal housing** and the connection cable is wrapped with a PVC vacuum **galvanized metal tube**.



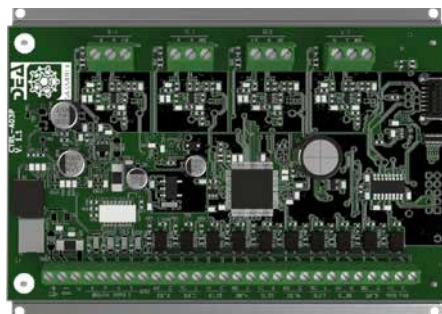
# PROCESSING BOARDS

All the models of SERIE A03 PRO detectors are managed by a single processing board, the **BR-A03P-Z4**, which processes the signals coming from the detectors and generates the alarm states (if any). The alarms are differentiated, inside the related service app, per type of attack:

- **prealarm**;
- **shock** (low shocks);
- **breaking through** (gross attacks);
- **drilling/cut** (continuous shocks).

The board also provides further two essential signalling:

- **sensor tamper** (removal, cable cut);
- **power fail**.



BR-A03P-Z4



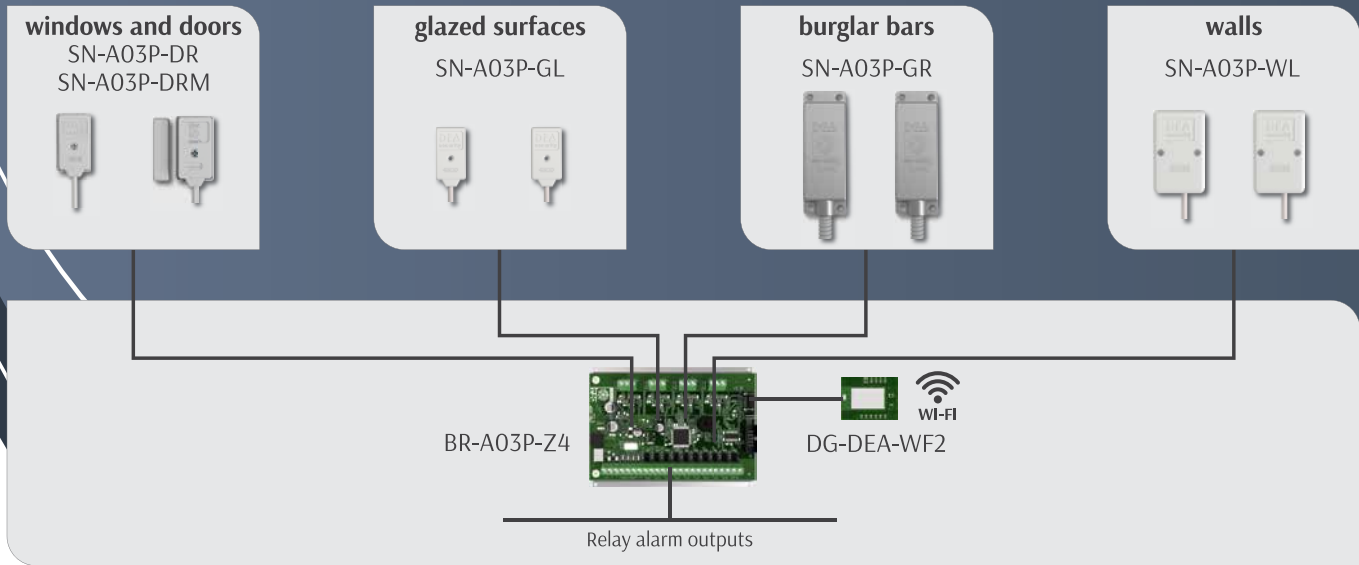
BR-A03P-Z4 is equipped with **4 communication channels**: each channel accepts up to 2 sensors of the same type, for a total amount of 8 sensors. Such architecture simplifies the creation of **Point ID alarm zones**, composed of one or two sensors installed on a single structure. In this way you can pinpoint an alarm keeping the benefits provided by the passive sensors.

The board also provides **10 solid state NC outputs** (4 outputs for Shock/Breaking through Alarm, 4 outputs for Opening Alarm, General Tamper, Power Fail) for the connection of the system to an alarm control panel.

To enter the configuration and the calibrations functions of the board, the **Wi-Fi dongle DG-DEA-WF2** and the **related service app** for mobile devices must be used.

## SERVICE APP

A03 PRO system is equipped with a service app, which can be downloaded free of charge for iOS and Android mobile devices; the app allows configuring and calibrating the detectors in a centralized way, using a secure Wi-Fi connection. For each of the 4 channels you can **adjust the sensitivity** of low shocks, gross attacks and continuous shocks; **set up the number of events** triggering the alarm; **set up the memory time** for the event counting; **activate/deactivate the thermal expansion filter**; **view the intensity of the signals** on a graphic bar.



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