



DETECTOR FOR WINDOWS AND DOORS



P/N SN-A03P-DR

DESCRIPTION

Terminated **piezoceramic detector** (without external resistances) piezodynamic detector, having 2 non-polarized conductors. It protects doors and windows (glazed surfaces included) against shock and breakthrough and opening.

The sensitive element, the piezoceramic transducer, is a static component highly resistant to mechanical stress, rigid and inexhaustible, which offers a constant detection over time. It senses the vibrations caused by an intrusion attempt, generating signals amplified and processed by **BR-A03P-Z4 analysis board**.

PACKAGE CONTENTS

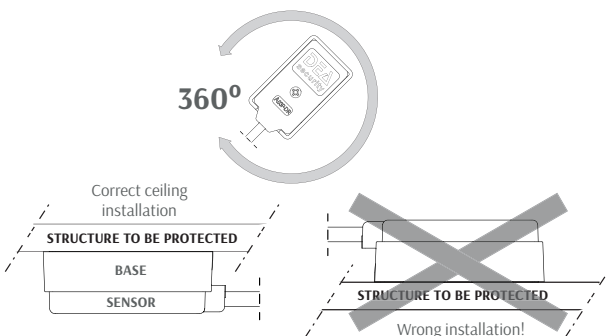
- SN-A03P-DR sensor, base and datasheet
- No 1 threaded iron nut M3
- No 3 self-tapping screws TS 2,9 x 19 mm
- No 1 screw M3 TS 3 x 16 mm
- No 1 self-tapping screw TP (nylon) M3

COVERAGE AREA

The efficiency of the sensor depends on several factors, such as the material, the dimensions of the structure to protect or the level of performance to reach. In most cases, each SN-A03P-DR sensor is able to cover up to 4 m², which are sufficient to protect a whole window or door, including the glass surface..

INSTALLATION

SN-A03P-DR must be fixed to the frame of the door or window to be protected. It can be placed vertically, 360° rotated or ceiling installed, with the amplification base placed to the top.



COMPLIANCE

Sensor connected to BR-A03P-Z4 processing board:

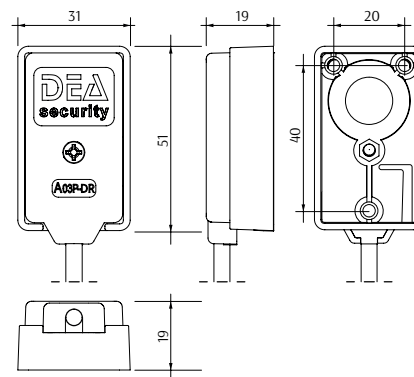
- Directive 2014/30/EU
- EN 50130-4:2011
- EN 61000-6-3:2007+A1:2011



TECHNICAL FEATURES

- **SECURITY GRADING:** designed in accordance with Grade 3 (EN-50131)
- **ENVIRONMENTAL CLASSIFICATION:** designed in accordance with Classe II (EN-50131)
- **DIMENSIONS:** 31 x 51 x 19 mm (W x H x D)
- **GROSS WEIGHT:** 82 g
- **COLOUR:** white
- **OPERATING TEMPERATURE:** -25 °C ÷ +70 °C
- **RELATIVE HUMIDITY:** <95% non condensing
- **IP RATING:** IP40
- **FUNCTIONS AND DEVICES:** Antiremoval device
- **CONNECTIONS:** 2 non-polarized conductors + shield
- **AVERAGE COVERAGE AREA:** 4 m²

DIMENSIONAL SCHEME

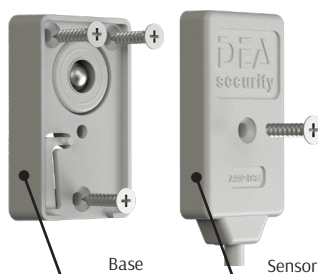


APPLICATION EXAMPLE



THE SENSOR MUST NEVER BE INSTALLED "ON THE FLOOR", WITH THE UPPER PART (DEA LOGO SERIGRAPHY SIDE) FACING UPWARDS.

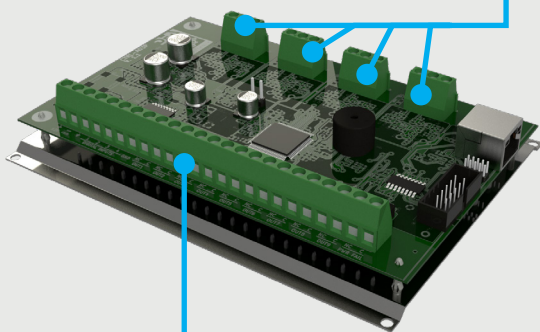
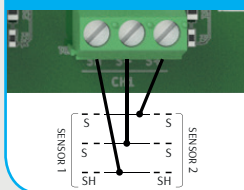
INSTALLATION SCHEME



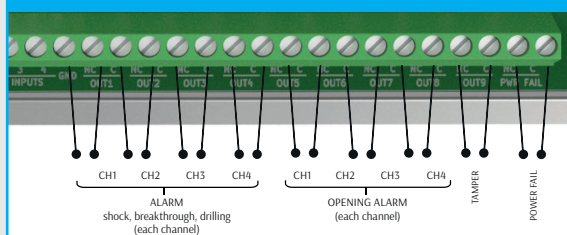
CONNECTIONS

The detector is connected exclusively to BR-A03P-Z4 analysis board, which manages a maximum of 8 sensors, provides for 2 sensors for each available channel. The interface with the alarm system is via the relay outputs.

INPUTS



OUTPUTS



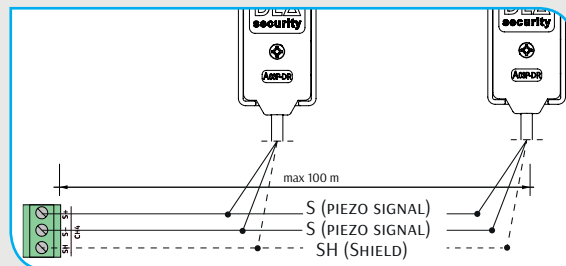
SENSOR CONNECTIONS

The sensors are connected to BR-A03P-Z4 analysis board via the three terminals of the respective channels (CH1, CH2, CH3 e CH4), by means of 2 non-polarized conductor cable and the shield.

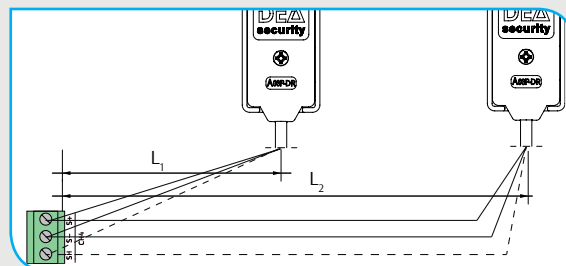


**ALL OF THE JUNCTIONS MUST BE TIN SOLDERED.
DO NOT INCLUDE POWER SUPPLIES OR OTHER SIGNALS IN THE CABLE
USED FOR THE SENSOR SIGNALS.**

- Parallel connection: the maximum distance between the board and the last sensor must not exceed 100 m.



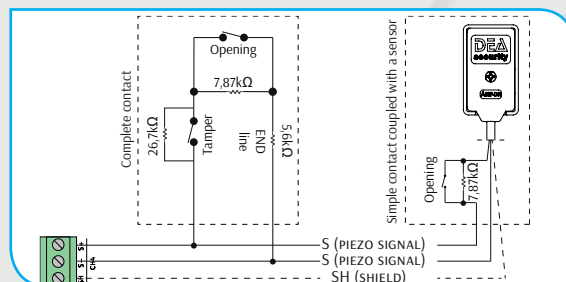
- Star connection: L1 + L2 of the two branches must not exceed 100 m.



CONNECTION OF THIRD-PARTY MAGNETIC CONTACTS

SN-A03P-DR supports the combined use of third-party magnetic contacts to be balanced with specific resistor. Each channel manages up to 2 magnetic contacts configured as follows:

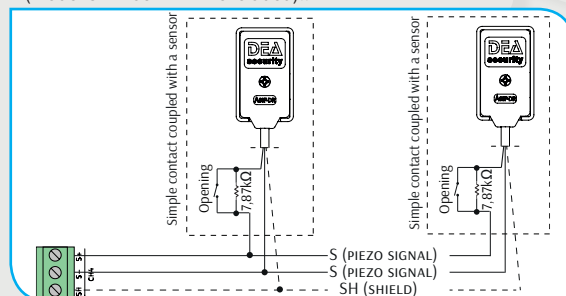
- a complete contact (with tamper) and simple contact coupled with an A03PRO sensor (model SN-A03P-DRM excluded).



N.B.

IN THIS CONFIGURATION THE COMPLETE CONTACT IS CONSIDERED AS A SENSOR CONNECTED ON THE CHANNEL, SET N° 2 SENSORS ON THE A03PRO APP.

- two simple magnetic contacts coupled with two A03PRO sensors (model SN-A03P-DRM excluded).



N.B.

THE BEST PERFORMANCE OF THE SYSTEM IS OBTAINED WITH A CORRECT CALIBRATION AND PROGRAMMING OF THE ANALYSIS BOARD (SEE BR-A03P-Z4 DATASHEET).

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