



XENSITY®

POINT ID intrusion detection system



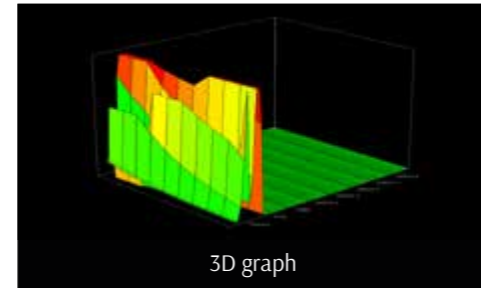
XENSITY is an intrusion detection system which has moved into the world of indoor security – houses, offices, banks and businesses – the same technologies developed by DEA Security for the outdoor perimeter protection of high risk compounds such as airports and power plants. Among those technologies we can mention the **identification of each sensor under alarm** (Point ID), the **sensor self-test**, the **centralization** of the alarm signals and the **remote management** of the system over IP.

Currently XENSITY product line is composed of two different families of piezoelectric detectors: **XS-DOOR**, for the protection of **doors, windows and skylights against shocks, break through and opening events**, and **XS-GRID**, for the protection of **metal grates against shocks, break through and cut**.

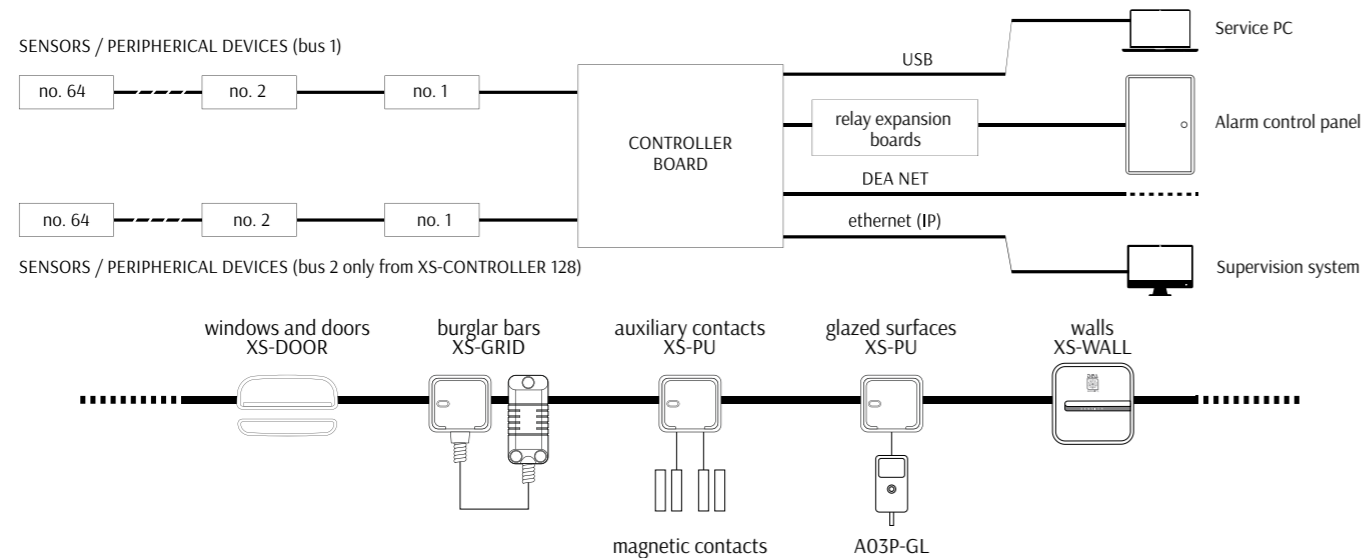
XENSITY sensors are all addressable, **making it possible the identification of each point under alarm**; they contain a **piezoceramic transducer**, which is a virtually inexhaustible device offering both superior detection capability and very high tolerance towards environmental disturbances.

The detectors communicate with the **XS-CONTROLLER** boards: the most powerful of them can manage **up to 64 sensors on a single communication bus**. These boards allow you to **configure and monitor** even the most complex systems: from a locally connected PC or from remote station you can calibrate and program sensors, view their status and monitor their operating parameters.

XS-PU interface peripheral board can integrate into Xensity system both **SERIE A03** detectors, including the models specific for glazed surfaces and walls, and **3rd-party devices** equipped with C/NC outputs.



3D graph



KEY BENEFITS

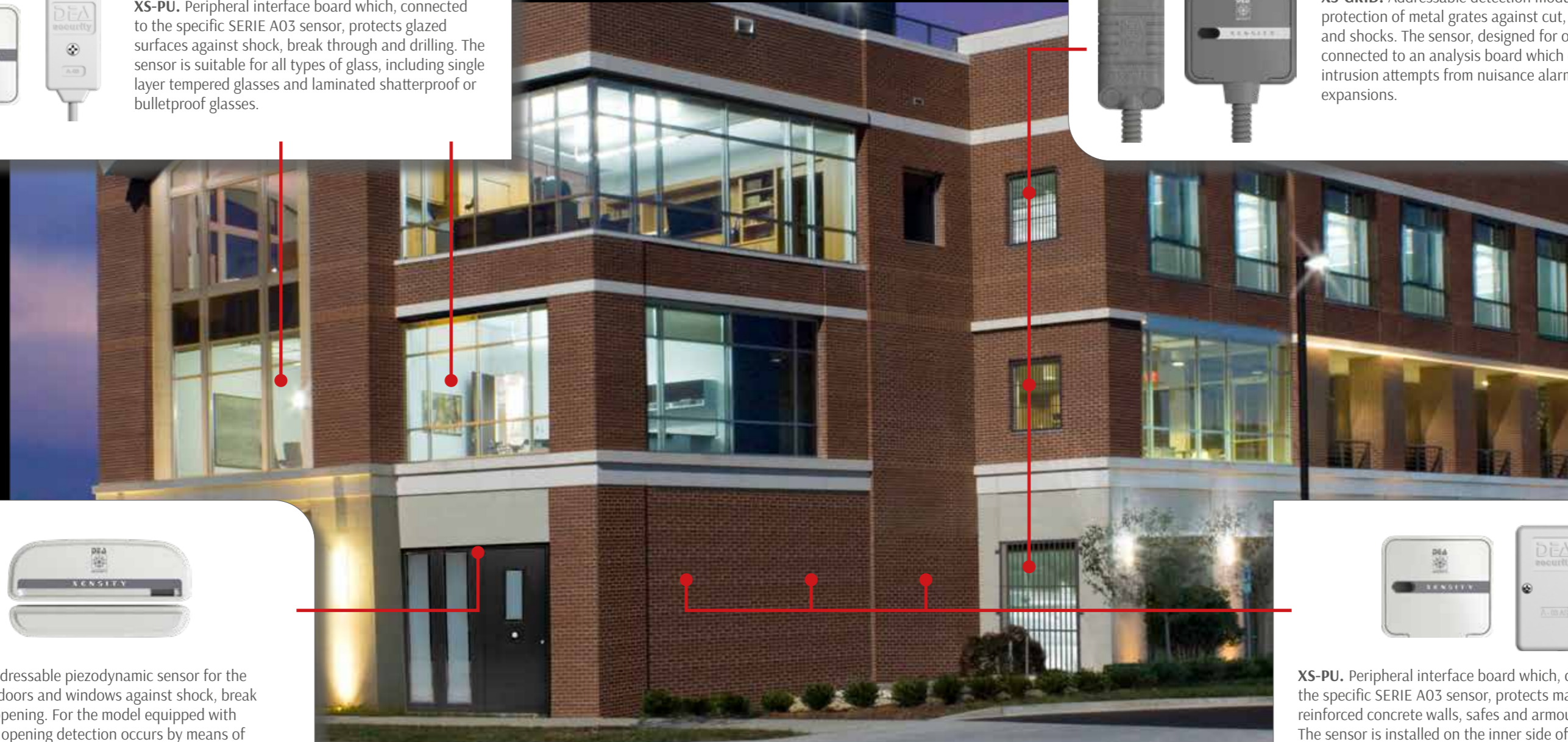
- X Individually managed sensors.** Each sensor connected to the system can be individually programmed and configured.
- X Shock protection.** It is provided by a heavy duty and reliable piezodynamic transducer.
- X Protection against opening.** Instead of using a traditional Reed technology, the XS-DOOR sensors detect the opening of windows and doors using a sophisticated electronic sensor.
- X Anti-masking magnetic function.** It detects the attempts to tamper with the opening sensor by exposing it to magnetic fields.
- X Self-test function.** It checks the correct operation of the sensor at set times.
- X Thermal tamper detection device.** It monitors the sensor temperature gradient to detect sudden and anomalous thermal excursions.
- X Differentiated signals** for each type of attack: opening, shock (weak impacts), break through (strong impacts), drilling (continuous vibrations), sensor removal and thermal tamper.
- X Centralized management** of the system. The service software enables you to configure the whole system, up to a single sensor, from a PC locally connected to the Controller board (USB) or from remote station (Ethernet or Wi-Fi).
- X Integration with SERIE A03 sensors** and 3rd-party devices equipped with C/NC outputs.
- X Series, star or hybrid connection of the sensors** to have the maximum flexibility in system cabling.
- X Event log for each sensor.** The Controller board is equipped with an internal memory where all the events detected by the single sensors are stored.
- X Real time 3D signal graph** which provides a perspective overview of the sensor status.
- X Multicolour status LED (RGB)** on each XENSITY sensor. Once activated, it simplifies the sensor calibration activity showing its status (standby, prealarm, alarm, fail, tamper).
- X In-house production.** All the detectors and the analysis boards are designed, developed and produced in Italy at DEA Security's facilities.



XS-PU. Peripheral interface board which, connected to the specific SERIE A03 sensor, protects glazed surfaces against shock, break through and drilling. The sensor is suitable for all types of glass, including single layer tempered glasses and laminated shatterproof or bulletproof glasses.



XS-GRID. Addressable detection module for the protection of metal grates against cut, break through and shocks. The sensor, designed for outdoor use, is connected to an analysis board which discriminates intrusion attempts from nuisance alarms and thermal expansions.



XS-DOOR. Addressable piezodynamic sensor for the protection of doors and windows against shock, break through and opening. For the model equipped with a magnet, the opening detection occurs by means of an electronic sensor having an anti-masking magnetic function.



XS-PU. Peripheral interface board which, connected to the specific SERIE A03 sensor, protects masonry walls, reinforced concrete walls, safes and armoured cabinets. The sensor is installed on the inner side of the structure in order to detect break through and drilling events.

Service software: main window



The user interface displays all the information concerning the Controller board, such as the input and output status and the power and bus parameters. The central area displays a schematic view – tree or matrix – of the peripheral devices connected to the Controller: sensors, interfaces, relay

expansion boards. The matrix view (please see the figure) provides a general map of the field sensors, displaying them through icons: a mouse double-click opens the sensor configuration screen.

Service software: sensor window



The sensor window offers several tools for the calibration, programming and test of each sensor. With a mouse click you can activate/deactivate each specific alarm (weak impacts, strong impacts, continuous vibrations, balanced lines, magnetic and tamper sensor) or change the behaviour

of the status LED on the sensor. You can also set the sensitivity level and the security degree as well as manually start a sensor self-test.

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