

Expansion module



KSI2300006.300

Description and functionalities

matrix BUS is a wired expansion card that can operate as UNIVERSAL, in this case it adds 1 zone (input) of NC/NO, balanced and inertial type to the lares 4.0, and allows to connect any type of sensor to our BUS; or as OPTEX, in this case it can add up to three zones, depending on the type of Optex sensor connected.

For connecting Optex sensors, matrix BUS provides a serial port compatible with the Optex sensors of the following series:

- BXS-R/RAM (Radio/ PIR or PIR+AM/ curtain coverage right and left sides);
- VXS-RAM/RDAM (Radio/ PIR+AM/ PIR+AM+MW/ 90° coverage);
- WXI-R/RAM (Radio/ PIR/ PIR+AM/ 180° coverage right and left sides);
- WXS-RAM/RDAM (Radio/ PIR+AM/ PIR+AM+MW/ 180° coverage right and left sides);
- QXI-R/RDT (Radio/ PIR/ PIR+MW/ 120° coverage right and left sides);

allowing the remote management (configuration data and detailed alarm signalling) through Ksenia SecureWeb and from Ksenia PRO App.

matrix BUS does not require any battery because it is powered by the KS-BUS.



Why matrix BUS

- **because** the number of the zones of the control panel can be increased with a single expansion module;
- **because** it has one universal input that allows the management of the roller shutters;
- **because** it is powered by the KS-BUS;
- **because** it is ultra-compact;
- **because** it has a small BUZZER to identify the position of the sensor inside the system.

PARTS INCLUDED

- Expansion module matrix BUS (PCBA)
- Cable for the control panel connection
- Cable for the OPTEX connection (series BXS, VXS, WXI, WXS and QXI)
- Double-sided adhesive fixing
- Clear heat shrink tubing
- Installation quick guide IT / EN / FR

HOW TO ORDER

- KSI2300006.300 - matrix BUS module

COMPLIANCE

Europe - CE, Rhos



Technical data

Power supply	13.8 Vdc
Absorption	20mA (excluding terminal +P and UART port)
Interface	KS-BUS
Inputs	n.1 programmable input(with programmable balancing)
Power terminal	0.5A (protected by a self-restorable thermal fuse)
Sound buzzer	controlled by the Installer App in real time
Serial interface	compatible with Optex sensors
Operative temperature range	-10 / + 55°C
Humidity	95%
Dimensions	14x71.5x8 mm
Weight	37 gr.

Quantity data

lares 4.0 models	wls 96	16	40	40 wls	140 wls	644 wls
Maximum number of single expansion (matrix BUS)	4	8	40	40	40	64