



KS12300006.300

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.

The size is ultra-compact and a mems and a BUZZER are also present. It is always possible to start/stop the BUZZER sound from the Installer App from real time, for identifying the position of a sensor inside the system and also to turn ON/OFF the power supply terminal +P, useful, for instance, to reset the smoke sensors.

matrix BUS is supplied with one cable for connecting Optex motion detectors and with one 6-wires cable of 30cm (of which 4 wires for connecting the BUS of lares 4.0 control panel, 1 wire for the programmable generic input and 1 wire for the positive power supply). Finally, it is provided with a double-sided adhesive support for positioning matrix BUS inside the sensors and a heat shrinkable tube to electrically insulate the connections.

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 shrinkable tube
- Installation quick guide IT / EN / FR

HOW TO ORDER

- KS12300006.300 - matrix BUS module

COMPLIANCE

Europe - CE, Rhos



Technical data

Power supply	13.8 Vdc
Absorption	50mA (terminal +P excluded)
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	14×71.5×8 mm
Weight	37 gr.

Quantity data

lares 4.0 models	wls 96	16	40	40 wls	140 wls	644 wls
Maximum number of BUS sensors	8	8	40	40	64	64