



Universal Transmitter

Description and functionalities

matrix module is a bidirectional universal radio interface for connecting third-party low power consumption motion detectors to the lares 4.0 platform, at 868 MHz frequency band, and it is compatible with OPTEX sensors series:

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

allowing their remote management (configuration data and detailed alarm signalling).

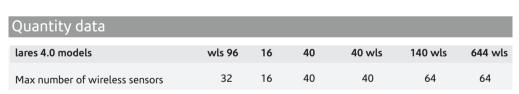


matrix directly feeds the connected motion detector with its own standard CR 123A batteries, from 1 to 3 batteries (second and third are optional) dependently on the consumption of the connected motion detector. Through the supervision function, the control panel verifies the persistence of the radio communication with all the wireless devices.

Two dedicated inputs (alarm and sabotage) detect any

disappearance and/or sabotage of the connected detector. matrix itself has a tamper protection vibration sensor (accelerometer), which allows, for example if it is mounted on a joint, to detect even a simple rotation or change of position.

To connect third-party motion detectors it provides a connection terminal on board (If programmed as UNIVERSAL) and, alternatively, a serial port that is compatible with OPTEX sensors (if programmed as OPTEX).



Technical data	
Operating frequency	868 MHz
Inputs	no. 1 alarm NC - NA type / no. 1 sabotage NC type
Serial interface	compatible with OPTEX sensors
Power supply	CR123-A Lithium batteries (from 1 to 3)
Accelerometer	3-axis mems for sabotage
Range in open air	up to 300m
Operative Temperature Range	-10 / + 55°C
Humidity	95%
Dimensions	100x43x17mm (h x w x d)
Weight	100 gr.



KSI5003001.300

Why matrix

- because it transforms any type of detector at low current consumption, in a wireless detector;
- · because it is the perfect complement of OPTEX detectors as it allows remote management (configuration and detailed alarm signalling);
- · because it can be supplied up to 3 standard CR-123A lithium batteries, able to provide autonomy up to 4500 mAh.



PARTS INCLUDED

- 1 matrix module (PCBA)
- 1 OPTEX motion detectors cable
- 1 Installation Manual IT / EN / FR

HOW TO ORDER

• KSI5003001.300 - matrix module

ACCESSORIES

 KSI7203015.000 – Lithium battery CR123A (200 pcs per pack)

COMPLIANCE Europe - CE, Rhos









