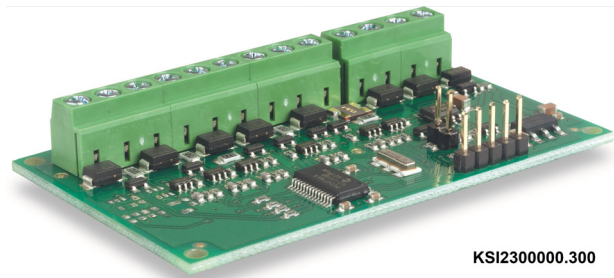# Ksenia®
security innovation

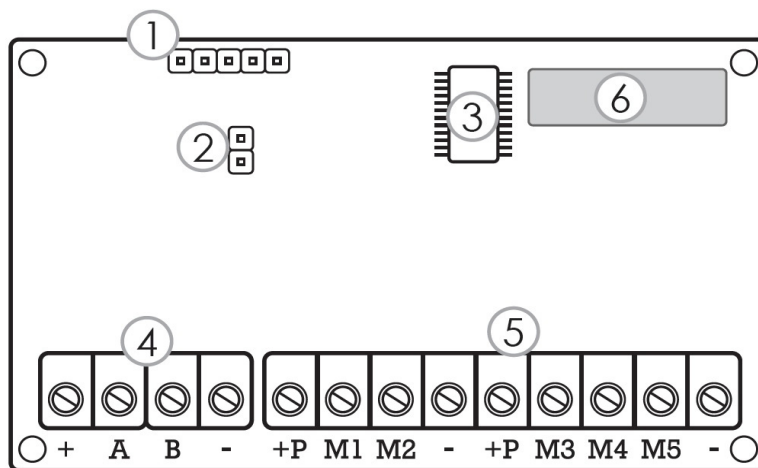# auxi

Expansion module

Installation guide

KSI2300000.300

INTRODUCTION

auxi is an expansion module which allows to increase the number of inputs/outputs of lares and lares 4.0 control panel, of 5 units.
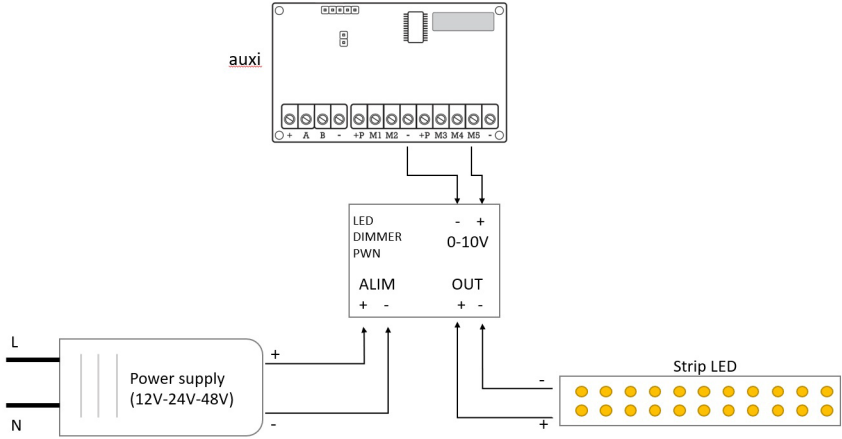
CONNECTION DESCRIPTION

LEGEND

1. Reserved use
2. Microswitch Tamper bridge
3. Microprocessor
4. Connection BUS to the panel
5. Connection clamps
6. Serial Number label

13B 032   S/N 001510

An example of device label with S/N '001510'

TEMINALS DESCRIPTION	
+ A B -	Connecting terminal to lares/lares 4.0.
+P	Power supply terminal 0.5A.
-	Ground terminal.
M1, M2, M3, M4, M5	Input (Programmable zones) (connection to the ground terminal) or Output Open Collector at 500mA each (connection to the positive terminal +P).

M1 (note)	This terminal may **ALSO** be set as analog input 0 - 10V (only for lares). **Important!** If the terminal M1 is set as an output, in case of reboot, the output returns to the default value (deactivated).
M5 (note)	This terminal may **ALSO** be set as analog output 0 - 10V, 20mA, in this case the **connection** is to the **ground terminal (-)**. The figure below shows an M5 terminal connection set as an analog output.

The extremely compact dimensions of **auxi** module, allows its installation within a standard DIN 503 box for wall mounting or alternatively into the plastic "slim" box (code KSI7302000.010) which can host up to two auxi modules.

TECHNICAL DATA

- Power supply: 13.8Vdc
- Consumption: 20mA (excluding terminal P and outputs)
- 1 analog input: 0 - 10V (only lares)
- 5 programmable inputs/5 Outputs O.C at 500mA each
- 1 analog output: 0 - 10V 20 mA
- 1 power supply terminal 0.5A (protected by a self-restore thermal fuse)
- Dimensions 45x75x16mm

QUANTITY DATA

lares 4.0 models	wls 96	16	40	40 wls	140 wls	644 wls
Maximum number of expansion modules (auxi, auxi relay, auxi 10in, auxi-L, auxi-H)	6 (only auxi and auxi-H)	4 (auxi-H excluded)	24	24	64	200

CONFIGURATION

auxi module can be connected to lares 4.0 through the KS-BUS 4-wire serial bus and has 5 terminals which can be configured as programmable inputs with End-of-Line resistors or OC outputs at 500 mA.

One terminal (M1) can be configured as analog input 0-10V (only for lares) and another one (M5) as an analog output 0-10 V. The fast contacts (inertial sensors and roller shutter sensors) are also configurable, among others from "Installer" configuration program, for details please consult the lares 4.0 Programming Manual. The configuration of **auxi** module is extremely easy, it is automatically acquired by lares 4.0, identified through a 6-digit serial number printed on the label on the card.

CERTIFICATIONS

Europe - CE
EN50131 Grade 3 - Class II
T014:2013
SSF 1014 Larmklass 3

Technical data, appearance, functionality and other product characteristics may change without notice.