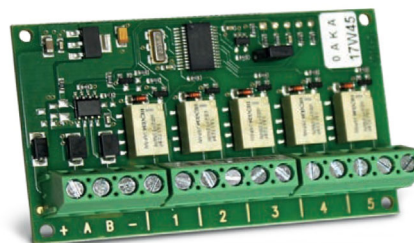# Ksenia®
security innovation

auxi relay

Expansion module
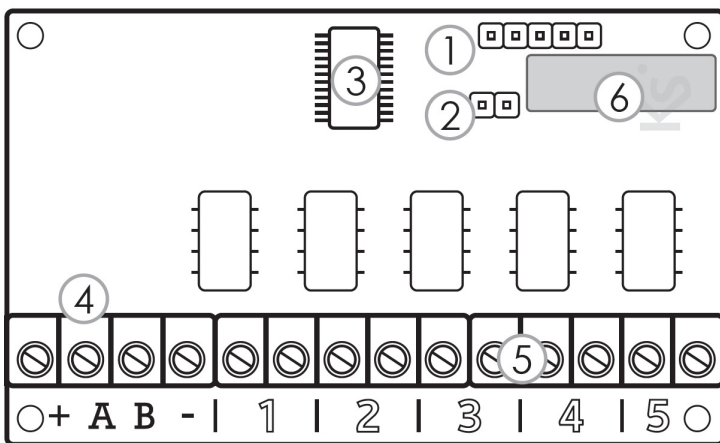
Installation guide

KSI2300001.300

INTRODUCTION

auxi relay is a KS-BUS expansion module with 5 programmable relay outputs. Any output can be programmed N.C., N.O., Monostable and Bistable, with programmable activation time.

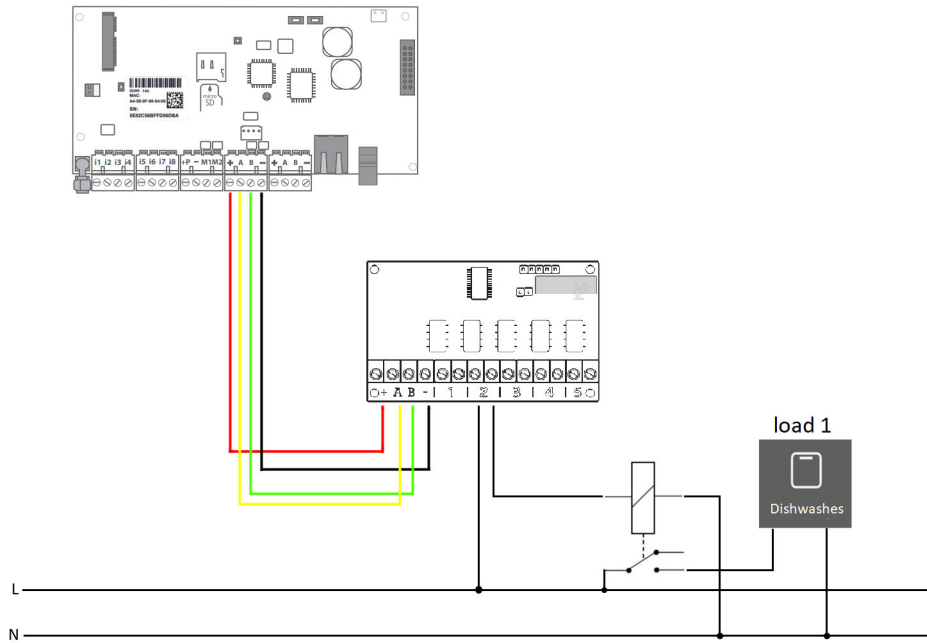## CONNECTION DESCRIPTION

LEGEND

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

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

TEMINALS DESCRIPTION	
+ A B -	Connecting terminal to lares 4.0.
1 - 2 - 3 - 4 - 5	Relay outputs: 1 / 2 / 3 / 4 / 5

The extremely compact dimensions of auxi relay 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 relay modules.

![Ksenia security innovation logo]

OUTPUTS SWITCHING

The following tables describe the behaviour of the terminals on the module, in the following cases: auxi relay reset (module FW update), lares 4.0 reset (control panel FW update) and lares 4.0 power off (control panel switch off).

Terminal no. 1

Output setting	Output status before reset	auxi relay reset	lares 4.0 reset	lares 4.0 OFF
NO (Normally open)	Open (IDLE)	Output moves: - to ACTIVE - back to IDLE	Output doesn't move	Output moves: - to ACTIVE - back to IDLE
	Close (ACTIVE)	Output moves: - to IDLE - back to ACTIVE - to IDLE again - back to ACTIVE again	Output moves: - to IDLE - back to ACTIVE	Output moves: - to IDLE - back to ACTIVE - to IDLE again
NC (Normally closed)	Open (ACTIVE)	Output moves: - to IDLE - back to ACTIVE	Output moves: - to IDLE - back to ACTIVE	Output moves: - back to IDLE
	Close (IDLE)	Output moves: - to ACTIVE - back to IDLE	Output doesn't move	Output keeps on IDLE

Output setting	Output status before reset	auxi relay reset	lares 4.0 reset	lares 4.0 OFF
NO (Normally open)	Open (IDLE)	Output doesn't move	Output doesn't move	Output keeps on IDLE
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NC (Normally closed)	Open (ACTIVE)	Output moves: - to IDLE - back to ACTIVE	Output moves: - to IDLE - back to ACTIVE	Output moves: - back to IDLE
	Close (IDLE)	Output moves: - to ACTIVE - back to IDLE	Output doesn't move	Output keeps on IDLE

TECHNICAL DATA

- Power supply: 13.8 Vdc
- Consumption: 100mA max
- 5 relay outputs : 250V - 1A (30W max)
- 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, auxi-A)	6*	4**	24	24	64	200

*   Only supports auxi, auxi-A and auxi-H

** Does not support auxi-H

CONFIGURATION

auxi relay module can be connected to lares 4.0 through the KS-BUS 4-wire serial bus.
Programming the terminals is possible by using the "Installer" configuration program. The configuration of auxi relay module is extremely easy, it can be automatically acquired by lares 4.0 identified through a 6-digit serial number printed on the label on the card.

COMPLIANCE

Europe - CE

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