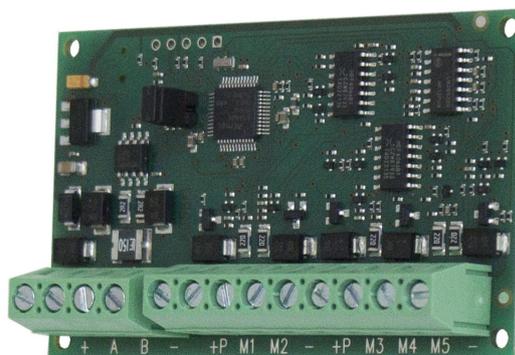


# auxi-A

Expansion module

Installation guide



KSI2300007.300

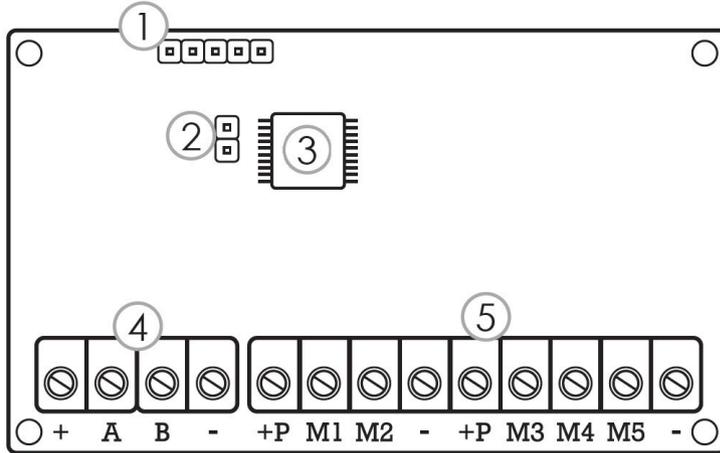
## INTRODUCTION

**auxi-A** is an expansion module which allows to increase the number of inputs/outputs of lares 4.0 control panel, of 5 units.

## TECHNICAL DATA

- Power supply: 13.8Vcc
- Consumption: 25mA (excluding terminal P and outputs)
- 5 programmable inputs/5 Outputs O.C at 500mA each
- up to 4 analog inputs: 0 - 10V (from M1 to M4 programmable terminals)
- up to 4 analog outputs: 0 - 10V 20 mA (from M1 to M4 programmable terminals)
- 1 power supply terminal 0.5A (protected by a self-restore thermal fuse)
- Dimensions 45x75x16mm

## CONNECTION DESCRIPTION

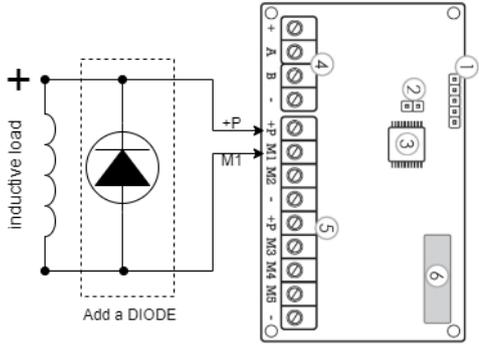


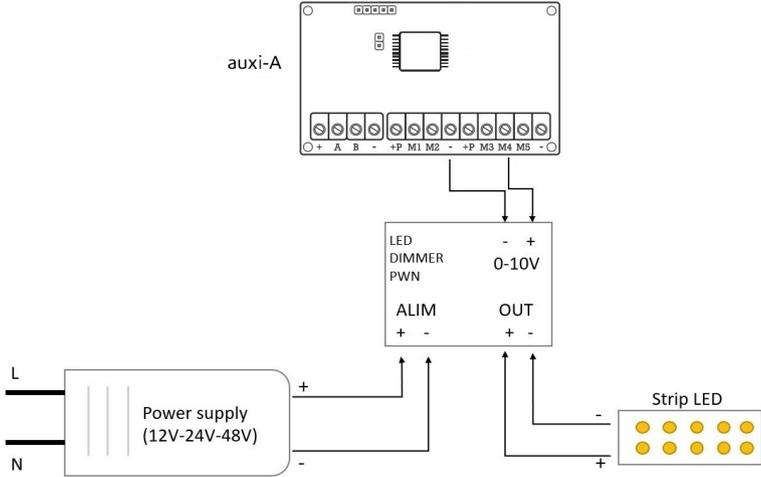
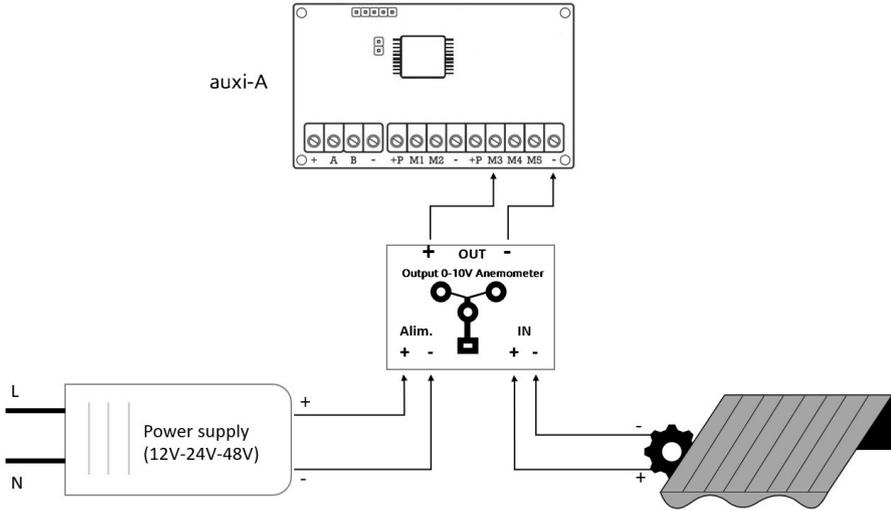
### LEGEND

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

Rear serial number label, example



| TERMINALS DESCRIPTION |   |
|-----------------------|---|
| + A B -               | Connecting terminal to lares 4.0.   |
| +P                    | Power supply terminal 0.5A.   |
| -                     | Ground terminal.  |
| M1, M2, M3, M4, M5    | <p>Input (Programmable zones) (connection to the ground terminal)<br/>or<br/>Output Open Collector at 500mA each (connection to the positive terminal +P) (max voltage 15V).</p> <p> - When a relay or an inductive load is used on an OC output (e.g. electric lock), it is necessary to provide for the connection of a diode with cathode towards the positive, as shown in the figure:</p> <div style="text-align: center;">  </div> |

|                                      |  |
|--------------------------------------|--|
| <p><b>M1-M2-M3-M4<br/>(note)</b></p> | <p>These terminals may <b>ALSO</b> be set as analog outputs 0 - 10V, 20mA, in this case the connection is to the ground terminal (-).</p> <p>The figure below shows a connection set as analog output to adjust light intensity.</p>   |
| <p><b>M1-M2-M3-M4<br/>(nota)</b></p> | <p>This terminal may <b>ALSO</b> be set as analog input 0 - 10V with custom analog intervals (connection is to the ground terminal).</p> <p>The figure below shows a connection set as an analog input, connected to a sensor with analog output to measure wind intensity (custom voltage ranges).</p>  |

The extremely compact dimensions of **aux-i-A** 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 aux-i-A modules.

## QUANTITY DATA

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

## CONFIGURATION

auxi-A module can be connected to lares 4.0 through the KS-BUS 4-wire serial bus and has 5 terminals [M1, M2, M3, M4, M5] which can be configured as programmable inputs with End-of-Line resistors or OC outputs at 500 mA.

As an alternative, [M1, M2, M3, M4] terminals can be configured as analog inputs 0-10V with custom analog intervals OR as analog outputs 0-10 V.

| Terminal | Digital |            | Analog 0-10 V |     |
|----------|---------|------------|---------------|-----|
|          | IN      | OUT (o.c.) | IN            | OUT |
| M1       | x       | x          | x             | x   |
| M2       | x       | x          | x             | x   |
| M3       | x       | x          | x             | x   |
| M4       | x       | x          | x             | x   |
| M5       | x       | x          | -             | -   |

The fast contacts (inertial sensors, roller shutter sensors, etc.) are configurable both from webserver interface of lares 4.0 and from Cloud Ksenia SecureWeb, for details please consult the lares 4.0 Programming Manual.

The configuration of auxi-A 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.

## COMPLIANCE

Europe - CE, RoHS  
 EN 50131-3:2009 - Grade 3 - Class II  
 EN 50131-1:2006 + A1:2009 + A2:2017 + A3:2020  
 T031: 2017 + A1:2018 + A2:2022



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