

## Expansion module

### Description and functionalities

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

**auxi-A** 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 follow:

- all its 5 terminals can be programmed as Open Collector outputs up to 500 mA each;
- all its 5 terminals can be programmed as inputs with EOL resistors;
- as an alternative, 4 terminals can also be configured as analog inputs 0-10V with custom analog intervals OR as analog outputs 0-10 V.

Terminals	Digital		Analog 0-10 V	
	IN	OUT (o.c.)	IN	OUT
M1	✓	✓	✓	✓
M2	✓	✓	✓	✓
M3	✓	✓	✓	✓
M4	✓	✓	✓	✓
M5	✓	✓	-	-

code KSI2300007.300

**auxi-A** configuration is very fast because it does not need any dip-switch settings: it will be automatically acquired by lares 4.0 and identified univocally with its serial number printed on the PCBA label.

Each output can be programmed according to your needs: polarity, mode, times, activations; it fits easily any installation needs, even inertial sensors and roller shutter sensors can be configured.

Its small dimensions allows its insertion within a standard DIN 503 box for wall mounting or alternatively into the plastic "slim" box (code KSI7302000.010) that can house up to two auxi-A modules.

### ACCESSORIES

- KSI7300000.001 - Plastic box for DIN rail  
Dimensions:  
84x54x26mm (hwxwd)



- KSI7302000.010 - Plastic box "slim" version for housing up to 2 auxi-A  
Dimensions:  
140x101x28.9mm (hwxwd)



### COMPLIANCE

Europe - CE, RoHS

EN 50131-3:2009 - Grade 3 - Class II

EN 50131-1:2006 + A1:2009 + A2:2017 + A3:2020

INCERT: T031: 2017 + A1:2018 + A2:2022



D-Q2T-0025

### "dimmer" function

It is possible to use up to four terminals as analog outputs (0-10 V, 20mA) able to measure the output voltage, to adjust, for example, the light intensity from lares 4.0 user APP.



### Analog instruments

It is possible to use up to four terminals as analog inputs (0-10V) to connect analog sensors (e.g. temperature sensors or anemometers, etc.) capable of detecting voltage variations and programming up to 5 voltage intervals.



### Quantity data

lares 4.0 models	wls 96	16	40	40 wls	140 wls	644 wls
Maximum number of expansion modules (auxi-A, auxi, auxi-relé, auxi 10in, auxi-L, auxi-H, auxi-1)	6*	4**	24	24	64	200
* only auxi, auxi-1, auxi-A e auxi-H						
** auxi-H excluded						

### Technical data

Power supply	13.5 Vcc
Consumption	25 mA (excluding terminal P and outputs)
Alarm inputs	up to 5 (with programmable EOL)
Analog input	4 from 0 to 10V (with 5 custom analog intervals)
Analog output	4 from 0 to 10V, 20 mA
Open collector output	5 up to 500 mA each
Power terminal	0,5A (protected by a self-restorable thermal fuse)
Operating temperature	from +5°C to +40°C
Humidity	95%
Dimensions	45x75x16 mm (hwxwd)
Weight	100 gr.