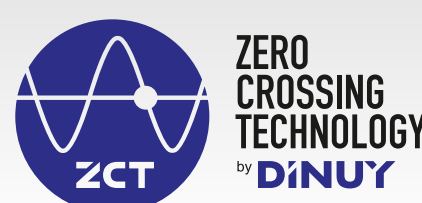


Ref.:
MI DA2 001

DINUY

Brighten up your day



ES

INSTRUCCIONES DE USO
ACTUADOR ON/OFF DE 2 CANALES
DALI-2, CON ENTRADA DE
PULSADORES

EN

INSTRUCTIONS MANUAL
2 CHANNEL ON/OFF DALI-2 ACTUATOR
WITH INPUT FOR PUSH-BUTTONS

DINUY, S.A. Auzolan, 2, 20303, IRUN, SPAIN

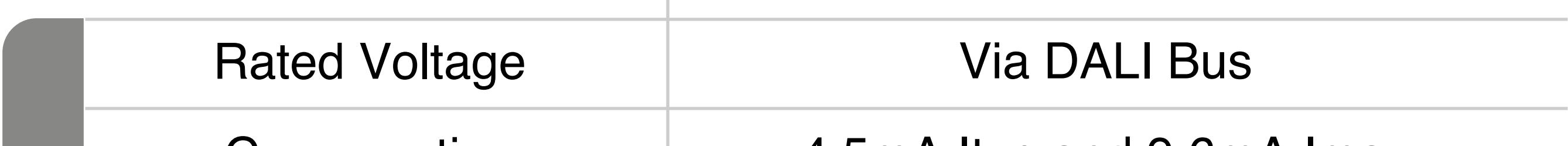
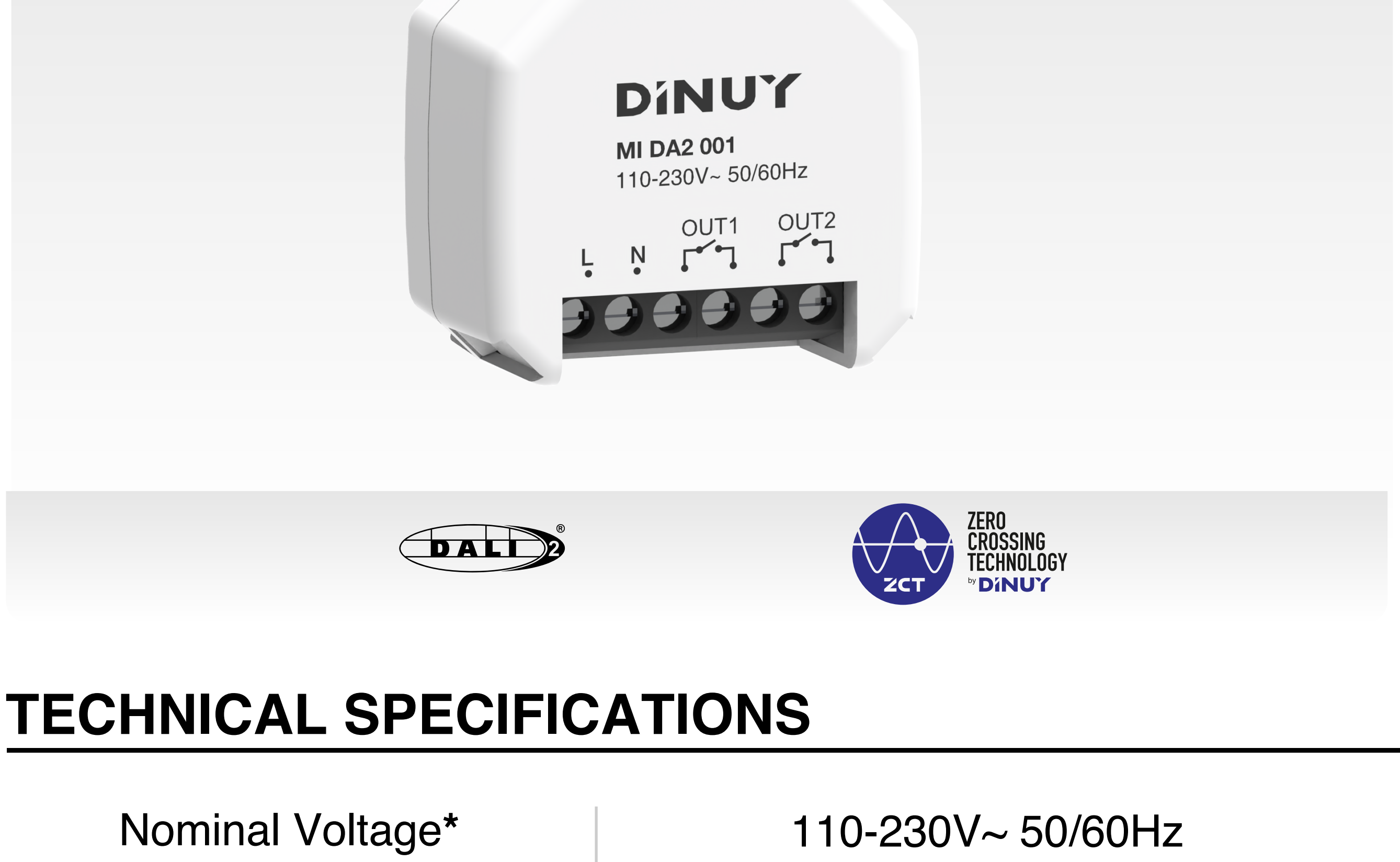
www.dinuy.com

INSTRUCTIONS MANUAL

Ref.: MI DA2 001

2 CHANNEL ON/OFF DALI-2 ACTUATOR

WITH INPUT FOR PUSH-BUTTONS



TECHNICAL SPECIFICATIONS

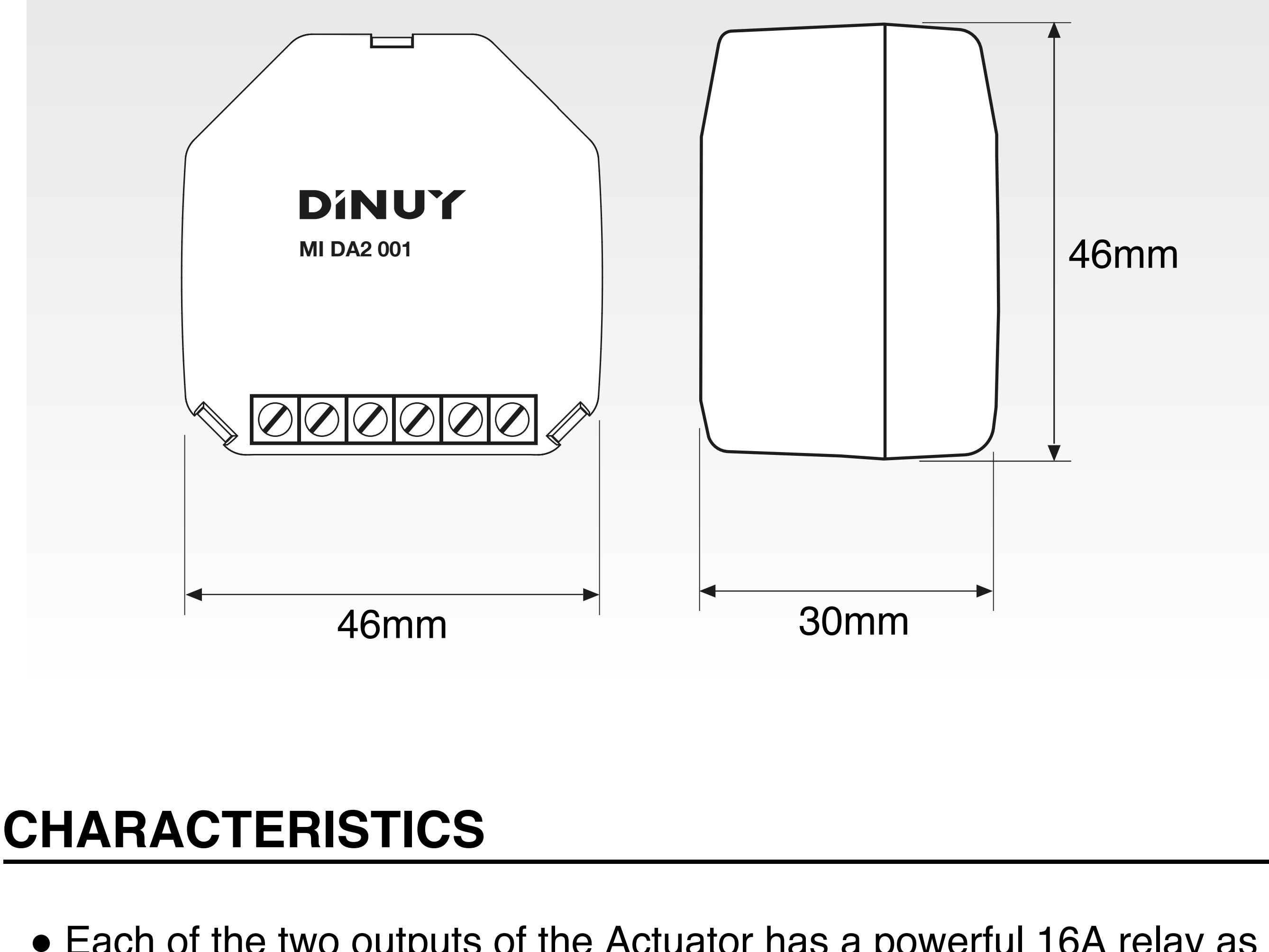
DALI-2	Nominal Voltage*	110-230V~ 50/60Hz
	Rated Voltage	Via DALI Bus
	Consumption	4,5mA I _{typ} and 9,6mA I _{max}
	Connection mode	Screw terminals (< 5 mm ²)
	Addresses	2 outputs (ON/OFF) + 1 input (Push-Button)
	Compatible with	DALI-2
Outputs	Maximum Start-Up Time	0,4sec
	Channels	2 ON/OFF channels
	Nominal Power per Relay	μ 16A / 250V
	LED Lamps	400W
	Incandescencia y Halógenas 230V	3.000W
Inputs	Cable section	≤ 2,5mm ²
	Nº of inputs	4
	Inputs for...	Push buttons / Voltage-free switches
Max. cable length		< 10m
Dimensions		46mm x 46mm x 30mm
Operating Temperature		-5°C ~ +45°C
Protection class		IP20 (EN60529)
According to Directives		Low Voltage Directive 2014/35/EU Electromagnetic Compatibility Directive 2014/30/EU
According to the Standards		EN 60669-1, 2-1 IEC 62386-101:2022 IEC 62386-102:2022 IEC 62386-103:2022 IEC 62386-208:2009 IEC 62386-301:2017

* This connection to the mains power supply is optional to use the Zero Crossing Technology.

DESCRIPTION

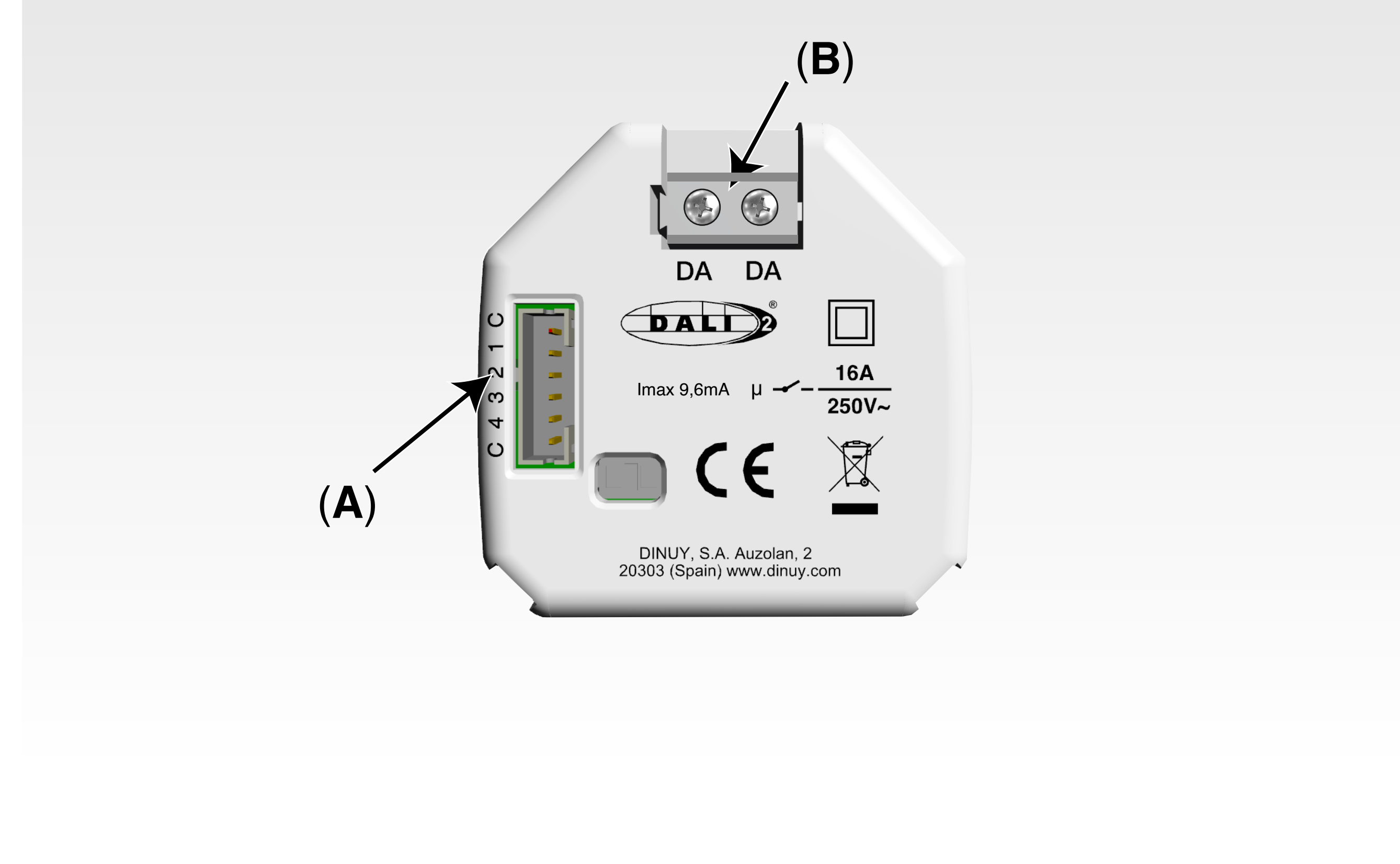
Interface that allows the on/off switching of loads within a DALI-2 lighting control system. Loads without a DALI-2 input can be easily integrated into a DALI-2 system.

DIMENSIONS

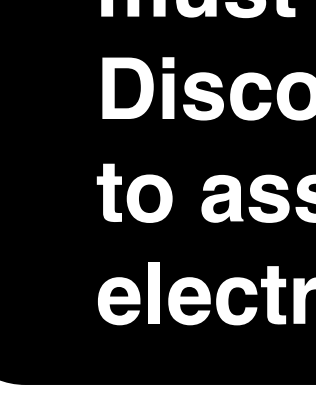


CHARACTERISTICS

- Each of the two outputs of the Actuator has a powerful 16A relay as well as the possibility of switching with zero-crossing control, which allows switching large loads without the risk of damaging the contact.
- DALI-2 Broadcast or Addressable communication. It uses 2 DALI-2 Output addresses.
- It complies with the requirements of the DALI-2 Device Type DT-7: switching.
- It incorporates 4 voltage-free inputs (**A**) for conventional pushbuttons/switches. Four instances of DALI-2 pushbuttons. It supports short presses, long presses (dimming) and the switching function. It uses only 1 DALI-2 Input address.
- Direct power supply from the DALI-2 Bus.
- These are some of the functions and commands to which it responds:
 - It is identified with the IDENTIFY DEVICE command.
 - Scene management.
 - Control by “Short Address”, “Broadcast” or “Groups”.
- Connection to the DALI bus (**B**).
- DALI-2 certified.
- Pill format, mounting in a junction box.



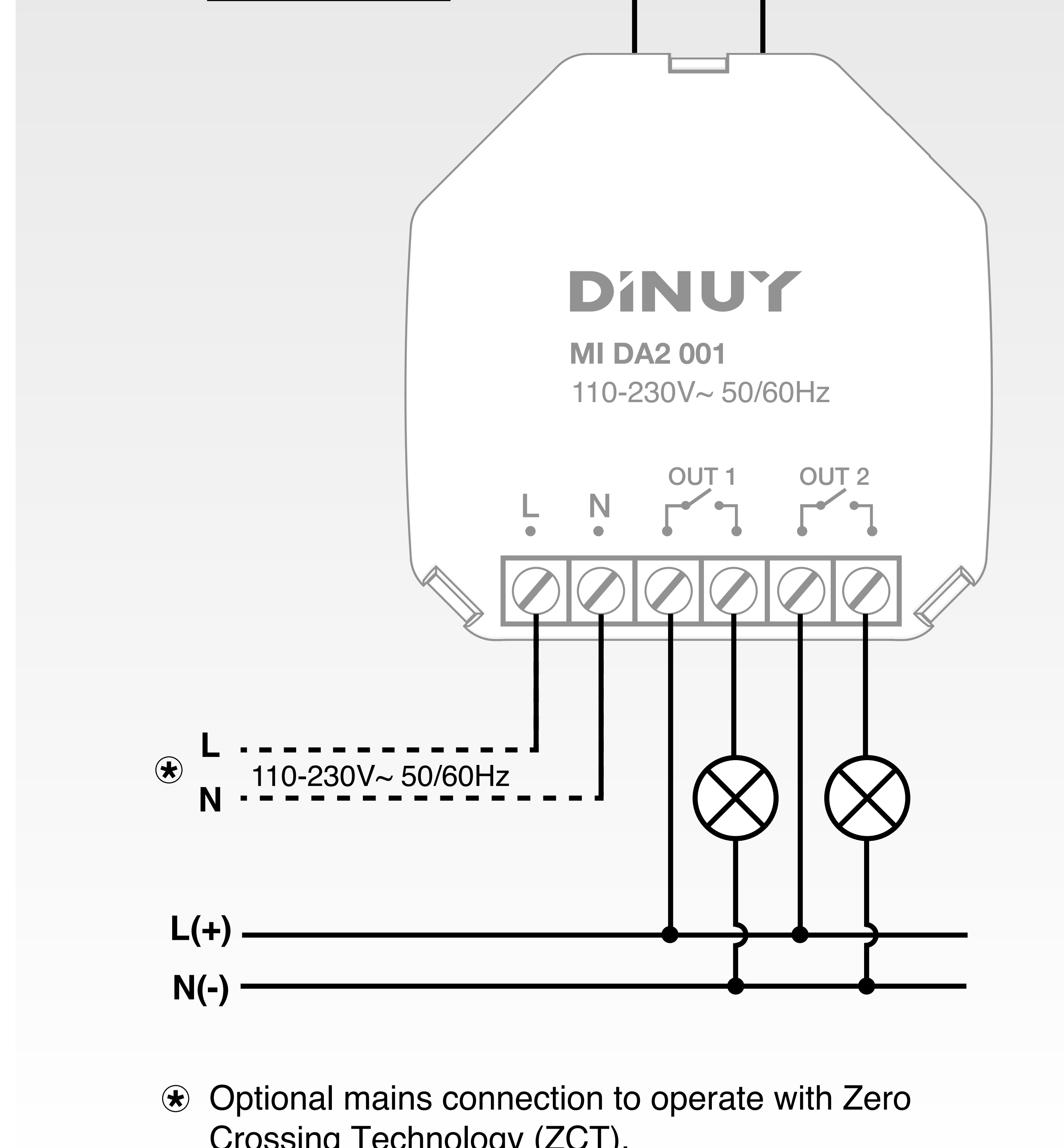
INSTALLATION



WARNING: Dangerous voltage!

Work on electrical equipment on the 230V network must only be carried out by qualified technicians! Disconnect the mains voltage before proceeding to assemble, disassemble or manipulate the electrical equipment!

- The Actuator is powered directly from the DALI-2 Bus, therefore a DALI-2 power supply is required in the installation. The 230V network is only necessary for zero crossing control and to power the loads.
- Follow the steps below for installation:



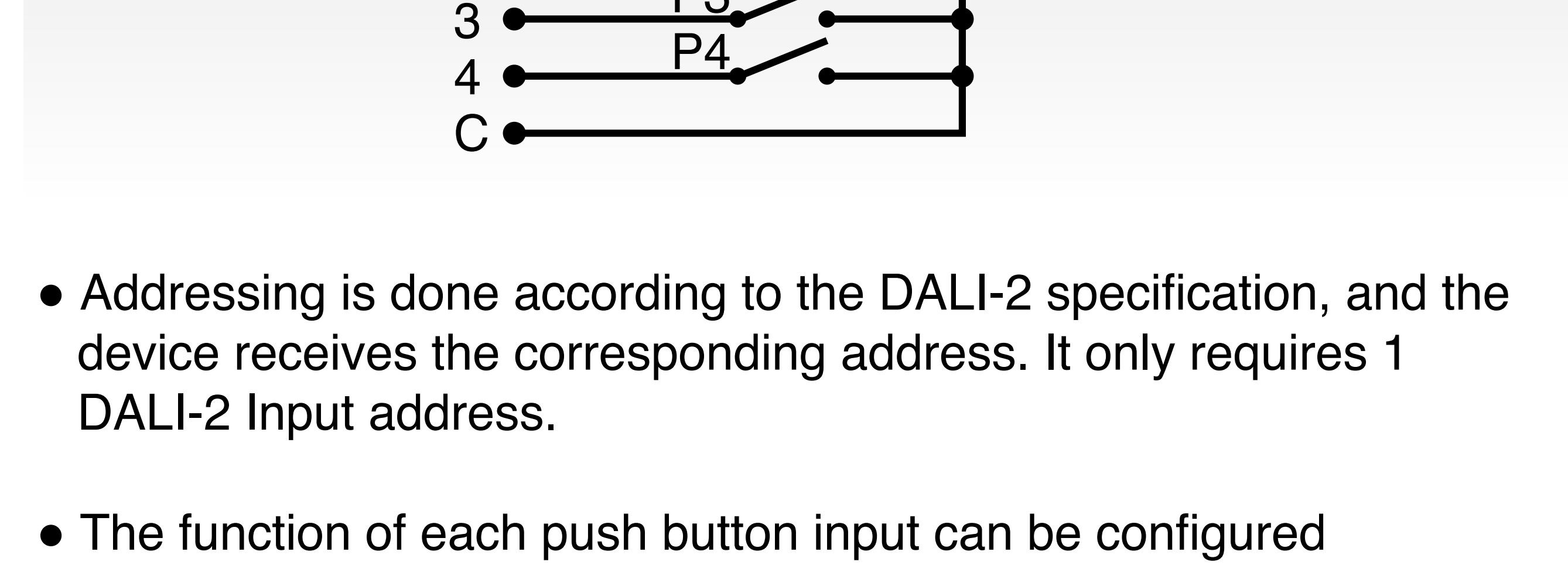
⊗ Optional mains connection to operate with Zero Crossing Technology (ZCT).

- 2) Connect the DALI-2 Bus.

- 3) Switch on the mains power supply.

CONFIGURATION OF PUSH BUTTON INPUTS

- The Actuator allows the connection of up to 4 voltage-free Push Buttons / Switches.
- If you use these inputs, connect the push buttons following the diagram:



- Addressing is done according to the DALI-2 specification, and the device receives the corresponding address. It only requires 1 DALI-2 Input address.
- The function of each push button input can be configured individually through the application controller used.

DEFAULT FACTORY SETTINGS

Variable	Value
powerOnLevel	0xFE (100%)
systemFailureLevel	No change (no adjustable)
minLevel	254 (100%)
maxLevel	254 (100%)
fadeRate	7 (44,7steps/s)
fadeTime	0 (Disabled)
extendedFadeTimeBase	0
extendedFadeTimeMultiplier	0
Instances	Activated