

DAI 2-Channel Actuator

Model No: LR02YD

Profile

- LR02YD controls the opening and closing control of the loop by inputting the DALI bus signal.
- DALI bus power supply, built-in 2 high-current magnetic holding relays
- It is occupying two DALI device addresses, independently opening and closing 2 controlled equipment
- It can control the load power such as LED drivers, fluorescent electronic ballasts, valves, etc.
- The relay can also be manually controlled by external dry contacts.



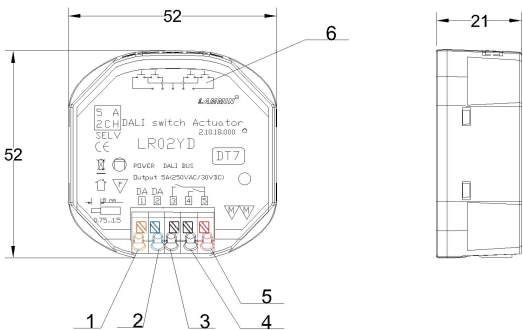
Features

- Bus powered, no external power supply required
- External dry contacts can be manually controlled to open and close
- Spring quick connection output terminals, quick wiring
- Low power consumption 16A magnetic holding relay
- Surge current resistance 100A
- Small size, can be installed in 86 bottom box

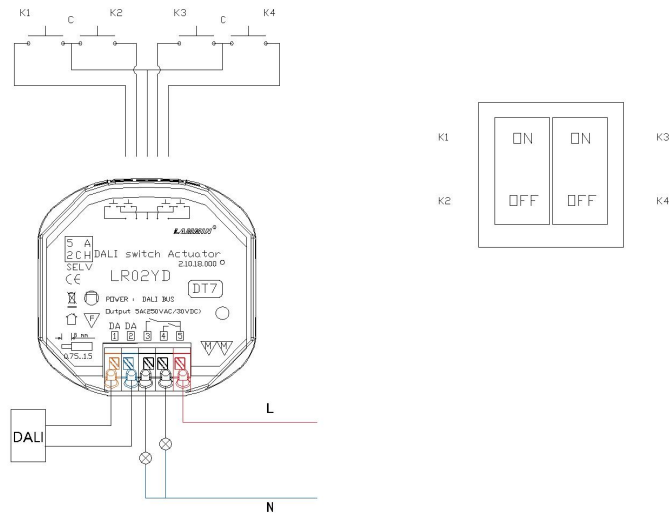
Technical Parameters

Model No	LR02YD
Brand	LAMMIN
Input Signal	DALI signal
Maximum switching voltage	277V AC
Max Load Current	5A/CH*2
Bus current consumption	< 9 mA
Certification	CE
Working Temp	-20℃~+50℃
Warranty	3 years
Size(L*W*H)MM	52*52*21
Installation	86 bottom box

Wiring Diagram and Installations



- 1) DALI input
- 2) DALI input
- 3) Channel 2 open and close output
- 4) Channel 1 open and close output
- 5) Open and close common terminal
- 6) Dry contact input terminal (plugging and unplugging terminal)
2 sets of 4 dry contact inputs



- Input the DALI signal at input terminals 1 and 2 as shown in the figure, and the address can be assigned and the device parameters can be set through the DALI master software.
- The device follows the standard DALI protocol, DT7 attributes, can assign two DALI addresses, can be addressed by bus, assign addresses, set groups, scenes, single-address switches and other functions.
- By plugging and unplugging terminal 6, 2 groups of 4 dry contacts can be connected to the self-reset switch, and the access button can manually operate the opening and closing of the two relays.
- Dry contact self-reset switch short press to open and close the relay.
 For example: K1 and C short press close First relay close
 K2 and C short press close First relay disconnect
- Dry contact manual operation command and bus opening and closing instruction, with the same priority, the opening and closing actuator executes the last received instruction.