LDT-DALI-PUSH-AC

AC-Powered Push-to-DALI Dimmer with Bus Supply

Convert a conventional push-button action into DALI switching and dimming commands, while supplying a correctly sized DALI bus.

Supply voltage	100-240 VAC
Input signal	Conventional AC push button
Output type	DALI master signal with integrated bus power
DALI bus output	16 VDC, up to 100 mA
Communication	Unidirectional DALI command transmission
Address selection	Rotary-switch address / broadcast settings
Dimming speed	Adjustable by rotary setting
Memory	With or without memory, selected by button
Body dimensions	52 x 52 x 27 mm
Operating temperature	-30 to +55 °C
Maximum case temperature	+75 °C

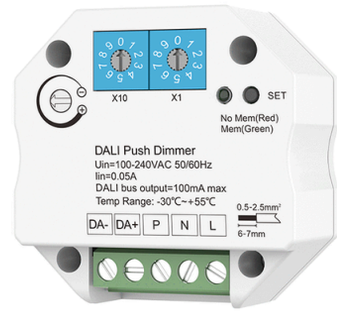
The DALI output is a control bus, not an AC or LED load output. Its 100 mA supply capacity is a bus limit, not an LED-current allowance.

The following reference pages include the complete wiring, dimensions, settings and operating instructions. Use the lighting and hardware variant identified above; shared references may illustrate other separate models.

DALI

DALI Push Dimmer

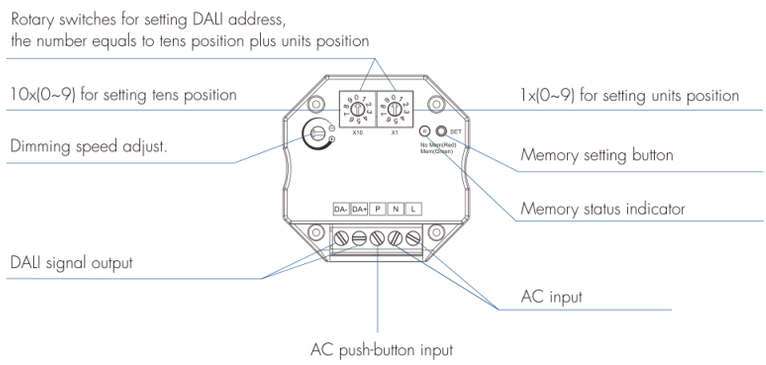
- Small Dimmer for DALI Drivers or Ballasts.
- Unidirectional and broadcasting communication.
- Control by conventional push-button, with or without memory:
  Short press: turn on /off light.
  Long press: dimming up/down.
- Dimming speed adjustable by rotary knob.
- Can be used as a DALI bus power supply to provide power.

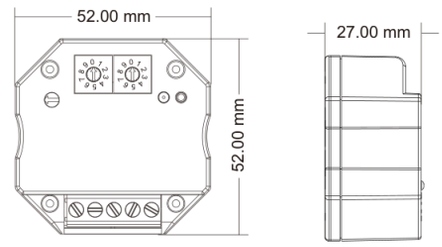


Technical Parameters

Input and Output		Environment		Package	
Input voltage	100-240VAC	Operation temperature	Ta: -30℃ ~ +55℃	Size	L60 x W60 x H40mm
Input signal	Push	Case temperature (Max.)	Tc: +75℃	Gross weight	0.061kg
DALI bus voltage output	16VDC	IP rating	IP20	**Warranty**	
DALI bus current output	100mA max			Warranty	5 years

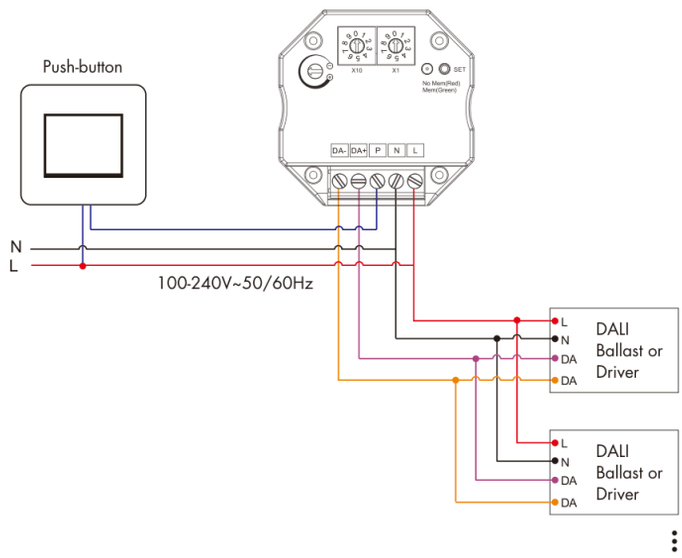
Mechanical Structures and Installations





Wiring Diagram

⚠ **Caution:** Please carefully ensure all wire connections and polarities are correct and secure before applying power, otherwise this controller will be damaged.



DALI address setting

1. Address value = Left rotary switch value × 10 + right rotary switch value.
   For example: Left rotary switch value is 5, right rotary switch value is 4, Address value = 5 x 10 + 4 = 54.
2. Unicast mode: Address value 0-63 corresponds to DALI address 00-63.
   Group mode: Address values 70-85 correspond to DALI group address 0-15.
   Broadcast mode: Left rotary switch value is 9.

PUSH dimming speed setting

1. The closer the arrow is to "+", the faster the PUSH dimming speed will be.
2. The closer the arrow is to "-", the slower the PUSH dimming speed will be.

Memory function setting

Short press the "SET" button to switch the memory function.

1. Without memory: LED indicator is red, PUSH dimming and then power on again, No change in light brightness
2. With memory: LED indicator is green, PUSH dimming and then power on again, light restores the last brightness.
   Factory default: With memory.

Push-button function

- Short press:
  Turn on / off light.
- Long press :
  Dimming up/down

Safety & Warnings

- DO NOT install with power applied to device.
- DO NOT expose the device to moisture.