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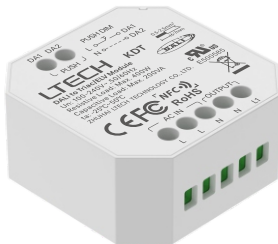
DALI to Triac/ELV Module

Model: KDT

Manual

www.ltech-led.com

Product Introduction

- DALI to Triac/ELV protocol: Seamless expansion to meet diverse lighting control requirements.
- It adopts the latest DALI-2 interface and fully supports DALI DT6 devices to ensure compatibility with the latest technology.
- Supports DALI control and PUSH DIM switch control, providing users with a more flexible operation experience.
- A short press can control the load switch, and a long press can adjust the brightness. The operation is simple and intuitive.
- Support setting the dimming output signal via NFC, and you can choose either the leading edge Triac or the trailing edge ELV output.
- Support configuring DALI addresses and setting the minimum brightness value of the load via NFC.
- Compact size, multi-specification compatibility: Compatible with European, American and Chinese standard base boxes, flexible installation, suitable for various scenarios.
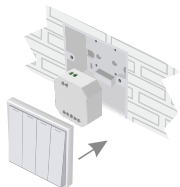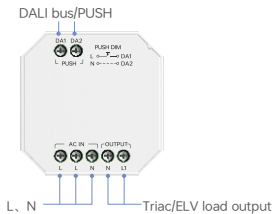
Technical Specs

Model	KDT
Interface protocols	DALI-2 DT6
Operating voltage	100-240V~,50/60Hz
Input signal	DALI
Output signal	Triac/ELV
Load parameters	Incandescent lamps or high-pressure halogen lamps: Max.400W@220Vac, Max.200W@110Vac. Dimmable LEDs: Max.200W@220Vac, Max.100W@110Vac
Load inrush current	Max.60A
Working temperature	-25℃~50℃
Product size	L45×W45.5×H20.5(mm)
Product weight	30g

CE FC cULus E500585 RoHS DALI

Product Illustration

DALI bus/PUSH

PUSH DIM
DA1 DA2
PUSH DIM → DA1
N ○----○ DA2
PUSH
AC IN
L L N N
OUTPUT
N N L1

L、N

Triac/ELV load output

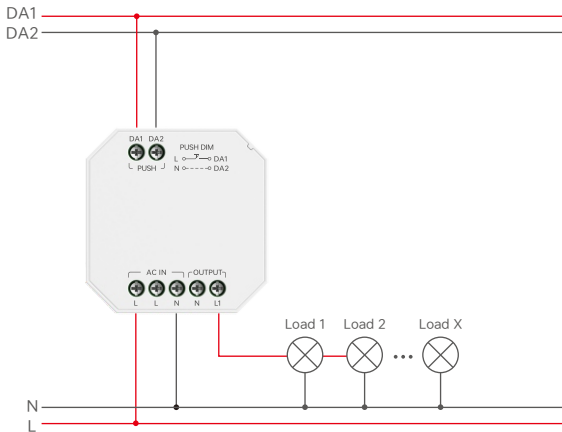Put the product into the junction box

Product Size

Unit：mm

45

53

45.5

20.5

45.5

2
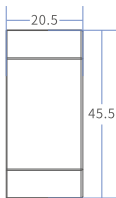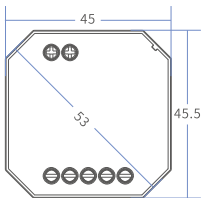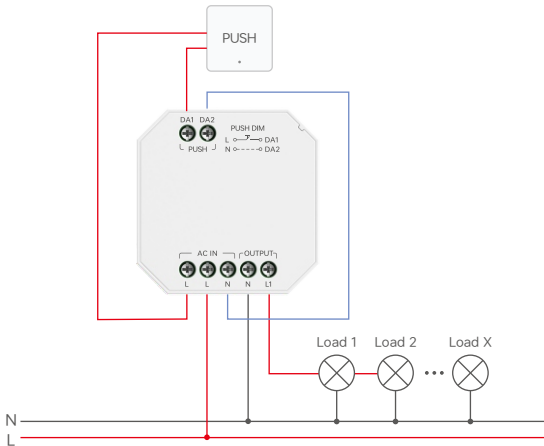
Wiring Diagram

1. Wiring diagram for DALI signal input.

2. Wiring diagram for connecting a single PUSH switch.

PUSH

DA1 DA2

PUSH DIM
L ○—⌐—○ DA1
N ○----○ DA2

└ PUSH ┘

AC IN | OUTPUT
L L N | N L1

Load 1   Load 2   Load X

N

L

3. Wiring diagram for connecting multiple PUSH switches.
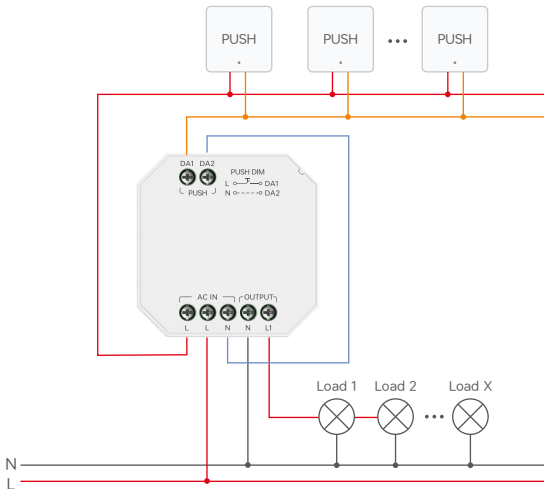
Use The NFC Lighting APP

Scan the QR code below with your mobile phone and install the APP as prompted.
(Due to performance requirements, the required phone model is Apple: iPhone8 or above, and the operating system iOS13 or above; Android: NFC enabled models)
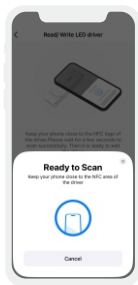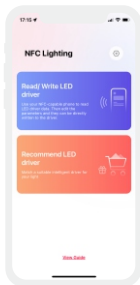

Scan the QR code to download the APP
IOS/Android

NFC identifier of the device
*When setting device parameters,
Perform this operation only when
the device is powered off.

1. Read the device

Click "Read / Write LED driver" in the APP [home page], place the sensing area of the phone near the NFC identification point of the driver, and read the device parameters.

2. Edit parameters

Click "Parameter Management" to select and edit parameters such as DALI address, dimming curve, brightness range, dimming gradient time, power-on status, and DALI advanced template Settings.
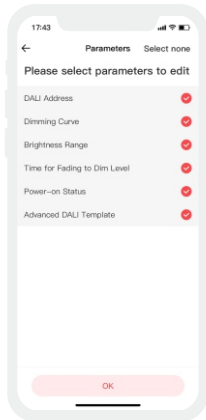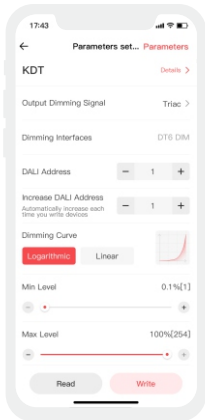
Attention

- Product installation and commissioning should be done by a qualified professional.
- LTECH products are and not lightningproof non-waterproof(special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure they are mounted in a water proof enclosure or in an area equipped with lightning protection devices.
- Good heat dissipation will prolong the working life of products. Please ensure good ventilation.
- Please check if the working voltage used complies with the parameter requirements of products.
- The diameter of wire used must be able to load the light fixtures you connect and ensure the firm wiring.
- Before you power on products, please make sure all the wiring is correct in case of incorrect connection that causes damage to light fixtures.
- If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.

Warranty Agreement

- Warranty periods from the date of delivery: 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

Following conditions are not within the guarantee range of free repairing or replacement services:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

＊ This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.