LTECH

Push to DALI Module

Model: KPD

Manual
www.ltech-led.com

Product Introduction

- Make the ordinary switch into DALI master control, support 4-way reset switch or 4-way mechanical switch input control DALI device;
- The corresponding DALI instruction type can be set freely through the mobile APP NFC;
- Support massive DALI instruction type Settings: such as switch, dimming, color, brightness value, color temperature value, color value, scene and other instruction types;
- Supports broadcast, single address, group address, and scene Settings;
- Supported device types: DT6, Tc, XY coordinates, RGBWAF;
- Each reset switch supports short press, long press, double click three operations, each operation can set up to 10 instruction cycles;
- Each mechanical switch supports on and off operations, each operation can be set corresponding instructions;
- Small size, convenient installation; Can be placed national standard, European regulations, American regulations and other wiring cassette installation.
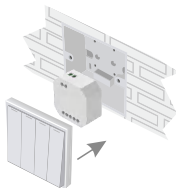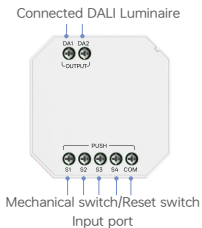
Technical Specs

Model	KPD
Current consumption	≤2mA@16V
Power supply mode	DALI Bus power supply
Input signal	Dry contact
Output signal	DALI
Working environment	-25°C~50°C
Product size	L45×W20.5×H45.5(mm)
Package size	L50×W28×H50(mm)
Product weight	30g

CE RoHS DALI

Product icon

Connected DALI Luminaire

DA1 DA2

L OUTPUT J

PUSH
S1 S2 S3 S4 COM

Mechanical switch/Reset switch
Input port

Hide the product in the switch bottom box

Product size

Unit: mm

45

45.5

53

20.5

45.5

Wiring application
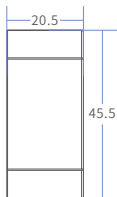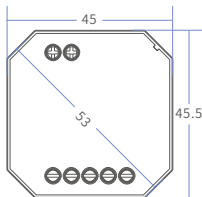
1. Connect four pcs one-way reset switches

L

N

DALI-PS-DIN
DALI Bus power supply

DALI-PS-DIN
DALI Bus Power Supply
Model: DALI-PS-DIN

OUTPUT

DA1 DA2

L OUTPUT N

PUSH

S1 S2 S3 S4 COM

DALI Driver

DALI Driver

DALI Driver

DALI Driver

DA1

DA2

* The reset switch does not need to connect L and N lines,
otherwise the switch will be damaged

3
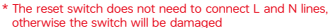
2. Connect a one-way reset switch and a three-way reset switch

L

N

DALI-PS-DIN
DALI Bus power supply

DA1 DA2
OUTPUT

LTECH·LTSYS
DALI Bus Power Supply
Model: DALI-PS-DIN
In: 300mA
Out: 16Vdc
Dust: DA1xx
DA out: DA1x DA2x
In: 100%-60°C In: 60°C
RoHS SELV

PUSH
S1 S2 S3 S4 COM

DALI Driver

DALI Driver

DALI Driver

DALI Driver

DA1

DA2

4

3. Connect two pcs two-way reset switches

L

N

DALI-PS-DIN
DALI Bus power supply

DA1 DA2
OUTPUT

LTECH・LTECH
DALI Power Supply
Model: DALI-PS-DIN

CE RoHS SELV

PUSH
S1 S2 S3 S4 COM

DALI Driver
DALI Driver
DALI Driver
DALI Driver

DA1

DA2

4. Connect a four-way reset switch

L

N

DALI-PS-DIN
DALI Bus power supply

DA1 DA2
OUTPUT

PUSH
S1 S2 S3 S4 COM

DALI Driver

DALI Driver

DALI Driver

DALI Driver

DA1

DA2
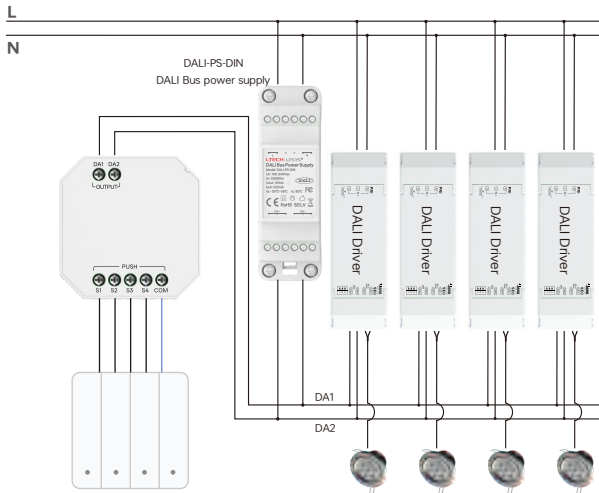
5. Get a four-way mechanical switch
(Mechanical switches with one and multiple connections)

L

N

DALI-PS-DIN
DALI Bus power supply

DA1 DA2

OUTPUT

PUSH
S1 S2 S3 S4 COM

DALI Driver

DALI Driver

DALI Driver

DALI Driver

DA1

DA2
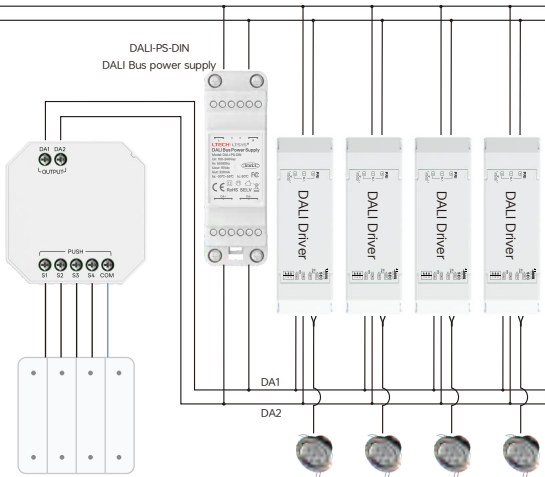
*The mechanical switch does not need to be connected to L and N lines, otherwise the switch will be damaged

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)
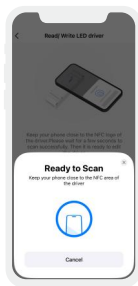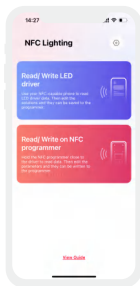

Scan code download APP
ios/apk

NFC identifier of the device

*When setting device parameters, Perform this operation only when the device is powered off.
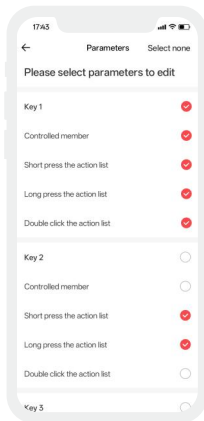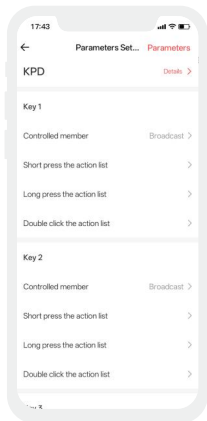
1. Read the device

Click "Read/Write smart Power Supply" 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.
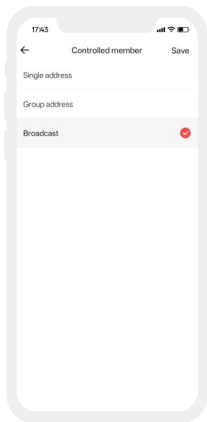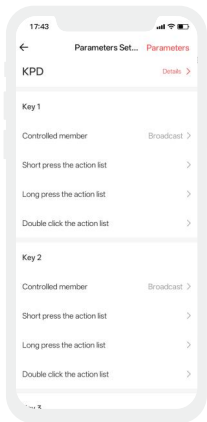
2. Edit parameters

Click "Parameter Management" to select parameters such as edit control object, switch type and switch action.

3. Select the control object of the key

Click Control Object to set DALI address information corresponding to each control object, including single address, group address, or broadcast address.

17:43	Parameters Set...	Parameters
←		
KPD		Details >

Key 1		
Controlled member		Broadcast >
Short press the action list		>
Long press the action list		>
Double click the action list		>

Key 2		
Controlled member		Broadcast >
Short press the action list		>
Long press the action list		>
Double click the action list		>

Key 3

17:43	Controlled member	Save
←		

Single address

Group address

Broadcast ✓

4.Select the action list of the key

①When the reset switch is selected, the short-press or long-press action list can bind a maximum of 10 instructions, and the double-click operation can bind a maximum of 4 instructions. The binding actions will be executed in a loop according to the setting sequence.

②When the switch is selected as a mechanical switch, each command supports only the on-off action and the off action, and each action can be bound to 1 command.

17:43		
←	Short press the action list	Save
Action 1		/ 关 >
Action 2		最优亮度 >
Action 3		None >
Action 4		None >
Action 5		None >
Action 6		None >
Action 8		None >
Action 9		None >
Action 10		None >

Write

17:43		
←	Action list	Save
Close		✓
Brightness		
Brightness increase		
Brightness reduction		
Open and Step-up		
Brightness step-up		
Brightness step-down		
Brightness step-down is reduced to off		
Maximum brightness value		
Minimum brightness value		
Nearest brightness		
Sence		

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;
- 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.

✳ 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.

Warranty Agreement

- Warranty periods from the date of delivery : 2 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. The warranty that issues in writting shall prevail.

www.ltech-led.com