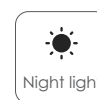
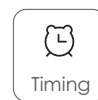
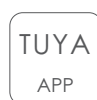
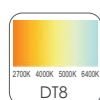


PE-X1-DALI

RoHS SELV CE Class 2



Features:

1. Standard Daliinterface, standard DT8 protocol
2. Timing on/off lighting function.
3. The built-in PS bus is used for power supply. Turn off the built-in PS to access the system as the scene panel
4. The panel backlight turns dark after 8 p.m
5. Built in WiFi chip, can update time
6. Support mobile app control and access to third-party language platform
7. Touch the button, the backlight will turns red and sound at the same time
8. Tempered glass panel
9. Turn off with 30 seconds delay function
11. The color temperature value can be set according to the color temperature range of the LED

Application:

1. Control dali dimming driver and CCT driver
2. Villa intelligent lighting
3. Wireless intelligent lighting system can be accessed
4. Museum lighting
5. High end commercial lighting

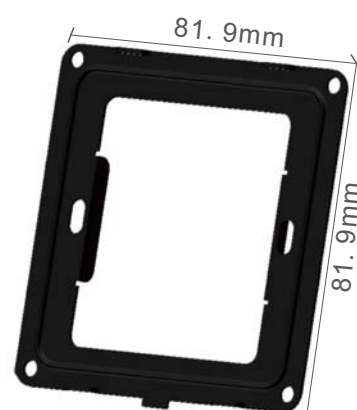
General description:

1. Standard dali signals are used to control brightness and color temperature, 64 devices can be controlled at the same time, and the scene can be customized and third-party voice control and can be realized through mobile app. The raw materials used are first-line brands, imported chip, Match a variety of Dali driver on the market accurately control the color temperature and brightness. The color temperature can be set according to the range of lamp beads. The built-in PS bus power supply can be on and off to make the wiring easier

Specification:

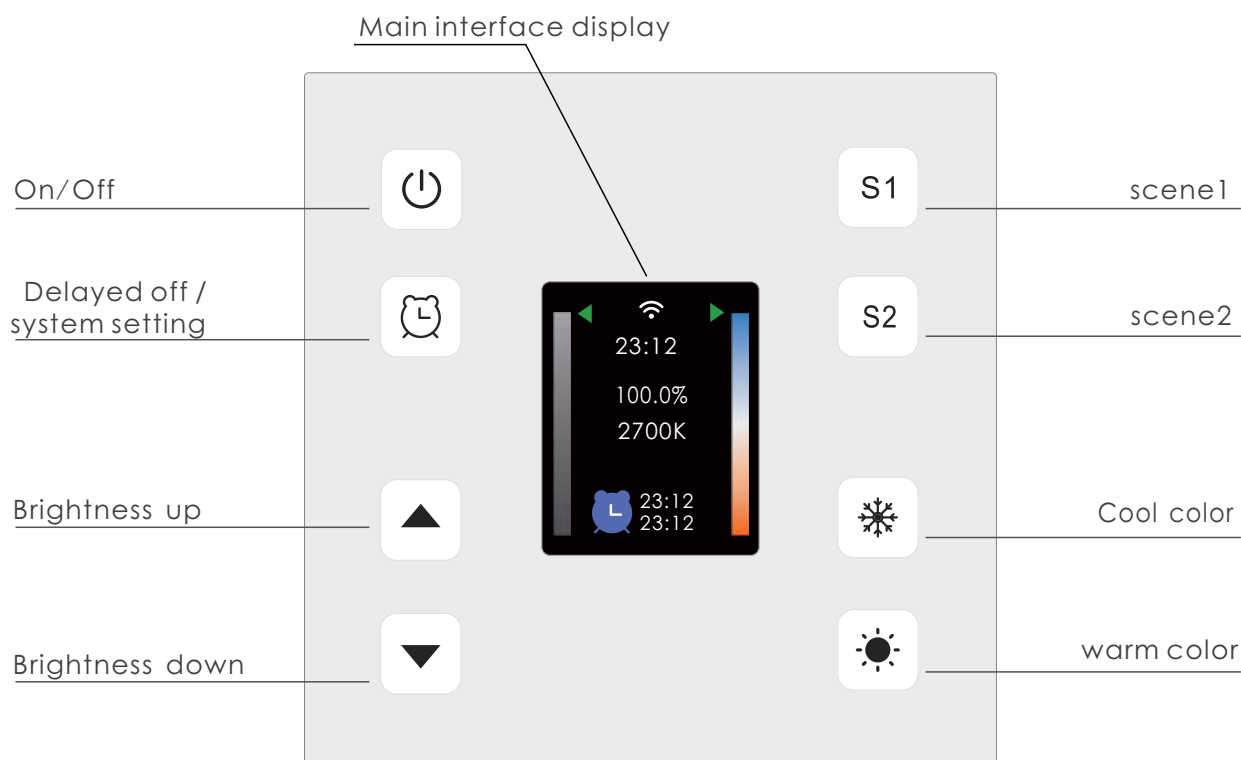
Model		PE-X1-DALI
OUTPUT	Voltage	16-22Vdc
	Max output voltage	22V dc
	Current	125mA
	Dimming Range	0~100%
	Dimming interface	DALI (IEC62386)
	Power off mode	Power off memory function
	Load	64 devices
INPUT	Input voltage	200-250Vac
	Frequency	50/60Hz
FUNCTION	Touch Key	8 keys
	Timing on/off	Yes
	Delay off	Turn off delay 30S
	Mobile APP	Tuya app
	Color temperature	Custom setting
	Scene	Two scenarios can be customized
PROTECTION	Working Temperature	ta: 45°C , tc: 80°C
	Working Humidity	20 ~ 95%RH, non-condensing
	Storage Temp.,Humidity	-40 ~ 80°C , 10~95%RH
SAFERY & EMC	Withstand Voltage	I/P-O/P: 3750Vac
	Isolation Resistance	I/P-O/P: 100MO/500VDC/25°C/70%RH
OTHERS	Dimension	86×86×33mm(L×W×H)
	Packing	Color box
	Weight (G. W.)	200g±10g

Dimensions:

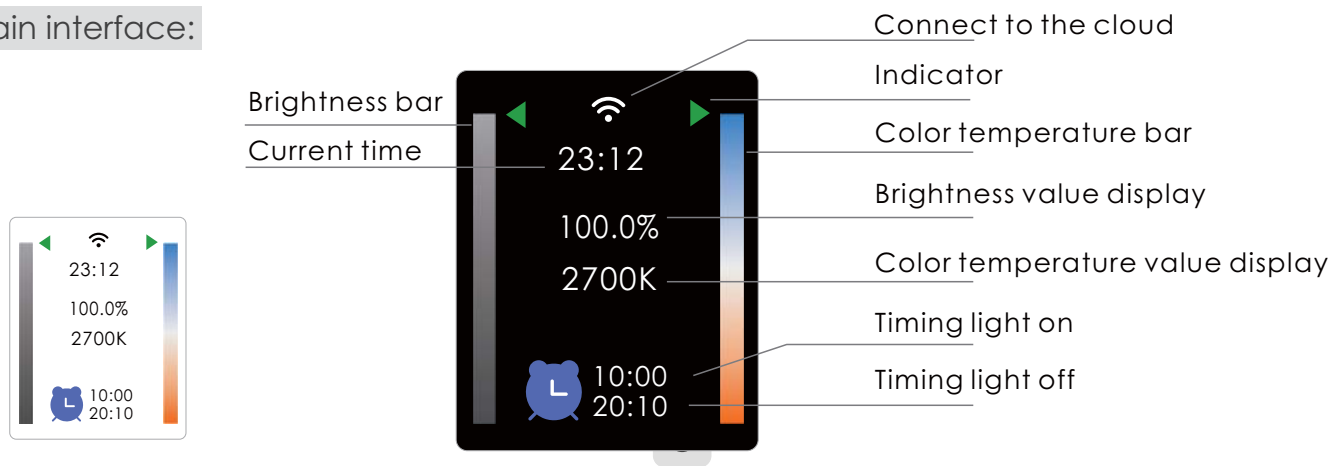


Fixed frame

Product function:



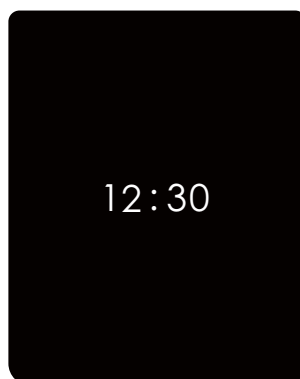
Main interface:



Key function:

- On/off
- Short press: enter the 30 second countdown automatic light off interface. / Long press for 3 seconds to enter the system setting interface.
- Short press: the brightness increases by 1, long press, and the brightness increases rapidly.
- Short press: the brightness decreases by 1, long press, and the brightness decreases rapidly.
- Short press: call scenario 1 / long press for 3s : enter the scenario 1 setting interface.
- Short press: call scenario 2 / long press for 3 s : enter the scenario 2 setting interface.
- Short press: the color temperature turns cold, long press the color temperature turn cold quickly.
- Short press: the color temperature warms, long press the color temperature turn warm quickly.

■ Shutdown interface:



Display clock when power off.

Display backlight and key backlight, down to 2 / 3 of normal brightness.

From 8 p.m. to 6 a.m. tomorrow, it will drop to 1 / 6 of the normal brightness.

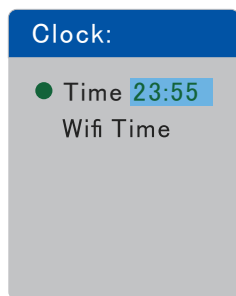
■ Countdown shutdown interface:



After a delay of 30 seconds, it will shut down automatically.

Press any key to exit directly and return to the main interface.

Clock interface:



Time 23:55 : Adjust the system clock.

Wifi time : Obtain the cloud time, provided that it is connected to the cloud.

Note: each time the system is connected to the cloud, it will automatically take the cloud time.



Back to the main interface.

Short press: enter the time adjustment state.
Press save again to exit.

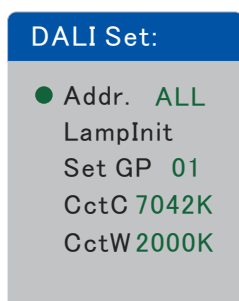
Short press: move the cursor up; In the time adjustment state, hour plus 1.

Short press: move the cursor down; In the time adjustment state, the hour is reduced by 1.

Short press: in the time adjustment state, minutes plus 1.

Short press: in the time adjustment state, the minute is reduced by 1.

DALI setting interface:



Address broadcast: set the address broadcast of dimmer Dali command, groups 1-16

Initialization lamp: initialize the gradient time and rate of all lamps on Dali bus.

Power off memory color temperature, power off memory brightness.

Assign group 01: assign group addresses to all drivers on the bus, group 1 - group 16

Cool color 7042k: set the physical maximum color temperature and adjustable maximum color temperature of Dali lamp.

Warm color 2000K: set the physical minimum color temperature and adjustable minimum color temperature of Dali lamp.

Note 1: the operation in Dali setting adopts the broadcast address mode, that is, all control. For special lights that do not need operation, please cut off the power directly.

Note 2: after modifying the data, you must press the key to save it.

Note 3: when the lamp is used for the first time, the brightness adjustment will be uneven by long pressing on the main interface. The lamp needs to be initialized first to achieve better adjustment effect.



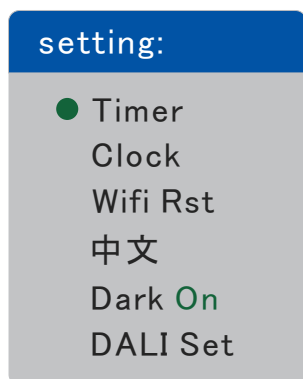
Back to the main interface.





Short press: execute and enter the regulation state.
Press save again to exit.

Short press: move the cursor up; In the regulation state, add 1 level.

Short press: move the cursor down; In the regulation state, reduce level 1.

System setting interface:



-  Back to the main interface.
-  Short press: execute and enter the corresponding function interface.
-  Short press: the selection cursor moves up.
-  Short press: the selection cursor moves down.

Timer: enter the timing switch lamp setting interface

Clock: enter the system time setting interface

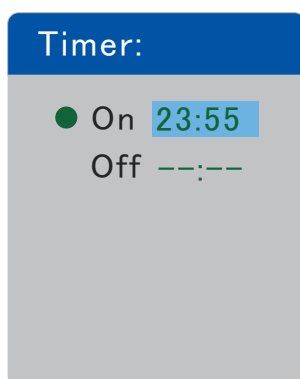
WiFi reset: reset the WiFi connection, clear the number of clouds, and re pair

中文: To Chinese interface

Dark on: switch the background color of the main interface, Off: white, On: black

Dali setting: enter Dali setting interface. (set the physical color temperature of the lamp, dimmer group, assignment group, initialization light)









Timer interface:



On 23:55 : The lamp On.

Off --:-- : The lamp Off.

Note: four horizontal bars indicate that the timer on / off function is not enabled

-  Back to the main interface.
-  Short press: enter the time adjustment state. Press save again to exit.
-  Short press: move the cursor up; In the time adjustment state, hour plus 1.
-  Short press: move the cursor down; In the time adjustment state, the hour is reduced by 1.
-  Short press: in the time adjustment state, open and close the timer.
-  The function is the same as above.
-  Short press: in the time adjustment state, minutes plus 1.
-  Short press: in the time adjustment state, the minute is reduced by 1.





Scene setting interface:



Brightness 100.0%: set the brightness value of the corresponding scene.
 Color temperature 7042k: set the color temperature value of the corresponding scene.
 Dali built-in 01: directly call Dali lamp built-in scene 01-16.

Note 1: the scene key can directly set the color temperature and brightness value, or it can be called Dali lamp has built-in scene, choose one from the other, and the last setting shall prevail, Gray font indicates that it does not work.

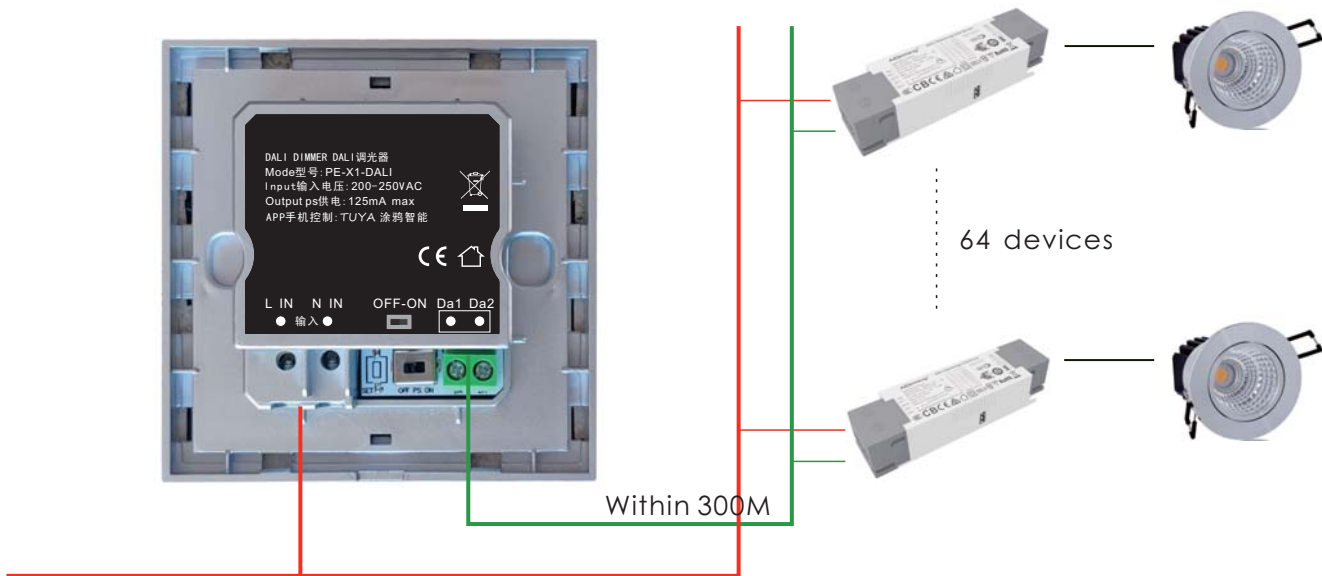
Note: pressing Scene 1 and Scene 2 in Tuya app is equivalent to executing S1 and S2 keys of this dimmer.

-  Back to the main interface.
-  Short press: execute and enter the regulation state.
Press save again to exit.
-  Short press: move the cursor up; In the regulation state, add 1 level.
-  Short press: move the cursor down; In the regulation state, reduce level 1.

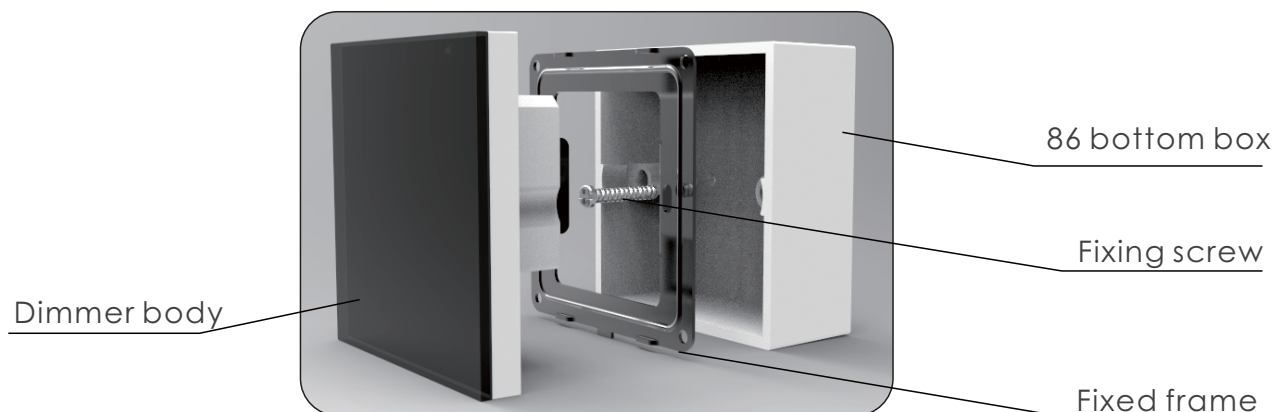
Wiring:



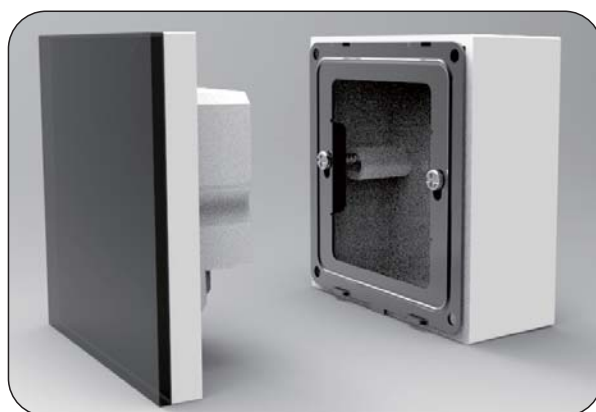
- 220V Strong current
- DALI wire (2-core 1.5m2 shielded wire)
- Low voltage power supply line



■ Installation:



Step 1: fix the fixing frame on the bottom box with two screws



Step 2: connect the input line and signal line



Step3:hang the dimmer body on the fixing frame

Instructions for use:

Unless otherwise specified, all specifications and parameters shall be measured under the input of 230VAC, rated load and 25 °C ambient temperature. Connect AC live line L and zero line n according to product identification.

Attention:

Note 1: when using this dimmer, please pay attention to distinguish the input end and output end. Do not connect it reversely. It can be powered on only after it is verified to be correct.

Note 2: no live operation is required.

Note 3: the input voltage range of the product is AC 200-250v, which is used within the specified input voltage range.

1. After the dimmer is electrically connected for the first time, it does not light up. Please cut off the AC input and check:

1). Check whether the AC input terminal has poor contact.

2). If the AC input terminal is wrongly connected, do not connect the signal terminal, otherwise the dimmer will be damaged and cannot be repaired.

3). In case of other questions or problems during the use of the product, please contact our company in time to communicate and feed back bad information. Our company will actively assist your company to solve the problems.

The abnormal conditions and the corresponding treatment methods:

Digital Addressable lighting Interface (DALI)

DALI slave unit will send data only master unit requests, that is, adopt command answering mode. There are 64 slave units at most in the same DALI network, each unit has a separate address (short address), a slave unit can also be assigned to a certain group, and a slave unit can belong to different group, slave unit can exist up to 16 groups at the same time, each unit can set 16 scenarios.

The main features of the DALI protocol

- 1) Asynchronous serial communication.
- 2) 1200 baud rate, using the Manchester encoding format.
- 3) Two lines differential signal.
- 4) The high level when differential voltage is larger than 9.5V.
- 5) The low level when differential voltage is less than 6.5V.
- 6) The master unit controls communication process.
- 7) One DALI bus can connect with 64 slave units.
- 8) Each slave unit can be individually addressed.

DALI Electrical Specification

Under the idle state, from machine unit method to control the bus:

- 1) High Output power at ordinary time, not to interference in the hold signal.
- 2) Output low electricity at ordinary time, directly to the DALI bus short circuit to each other.
- 3) DALI bus maximum current of 250mA
- 4) Not a two-way communication at the same time.
- 5) Transmission cable up to 300 meters, or pressure drop is no more than 2v