LDT-DALI-PUSH-4KEY

DALI-Bus Powered Four-Push-Button Interface

A compact DALI-bus powered interface for up to four push buttons, with rotary selection of address, group, scene or broadcast operation.

Supply voltage	DALI bus; current specified at 16 VDC
Static current draw	4 mA at 16 VDC
Input signal	1-4 conventional push-button contacts
Output type	DALI master control signal
Address count	4 controlled DALI addresses
Addressing modes	Unicast, group, scene or broadcast
Integrated bus supply	None; external DALI bus supply required
Operating temperature	-20 to +50 °C
Maximum case temperature	+55 °C
IP rating	IP20
Body dimensions	52 x 52 x 27 mm

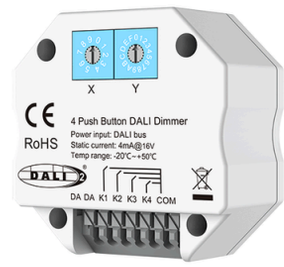
Do not confuse this bus-powered four-contact module with the mains-powered push-to-DALI model that includes a bus supply.

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

4 Push Button DALI Dimmer

- Standard DALI Master, control 4 DALI Addresses.
- Comply to latest DALI standard protocol IEC62386 and in compliance with DALI products from other international incorporation.
- Power is provided by DALI bus.
- 1-4 push button control.
- Enable to select 4 different addresses for controlling by encoding switch.
- Support scene, group, unicast and broadcast mode.
- Easy to be placed in standard wall junction box behind a push switch.



CE RoHS

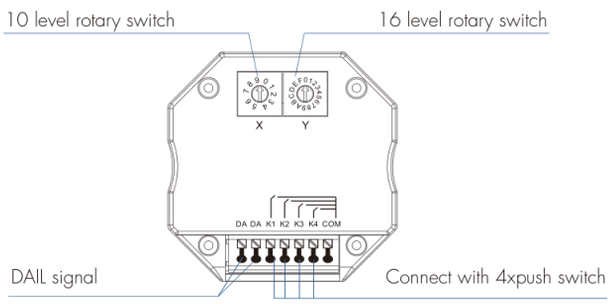
Technical Parameters

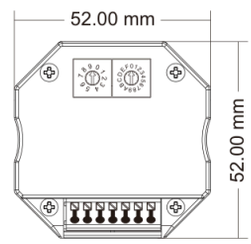
Input and Output	
Input signal	4xpush switch signal
Output signal	DALI signal
Power supply	DALI bus
Static current	4mA@16V
Warranty	
Warranty	5 years

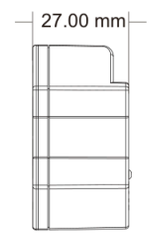
Environment	
Operation temperature	Ta: -20°C ~ +50°C
Case temperature (Max.)	Tc: +55°C
IP rating	IP20
Package	
Size	L60 x W60 x H40mm
Gross weight	0.046kg

Safety and EMC	
EMC standard	EN IEC 55015:2019+A11:2020 EN 61547:2023 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019
Safety standard	EN 61347-1:2015+A1:2021 EN 61347-2-13:2014+A1:2017
Certification	CE

Mechanical Structures and Installations

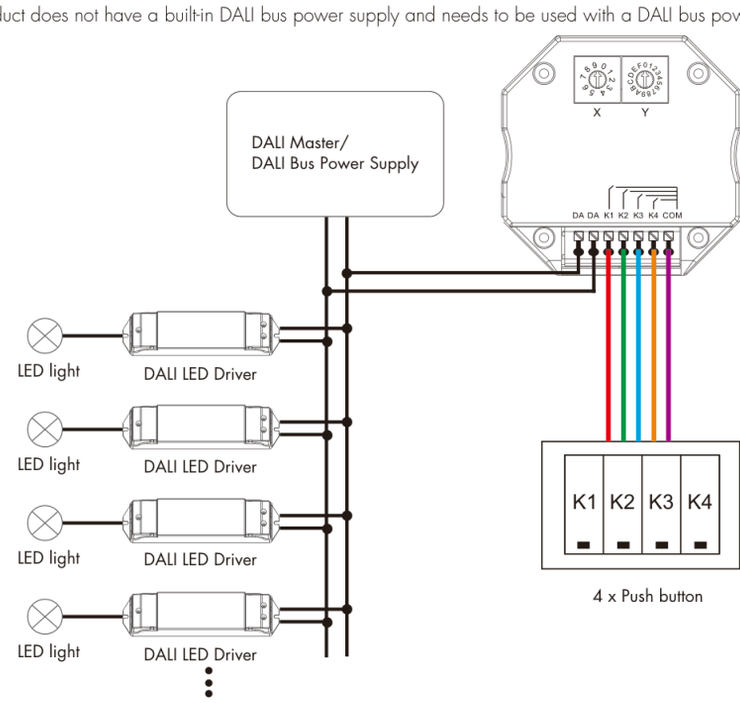






Wiring Diagram

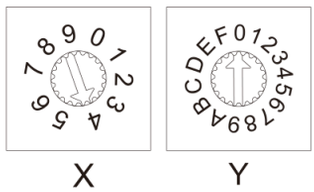
⚠ Note: This product does not have a built-in DALI bus power supply and needs to be used with a DALI bus power supply.



DALI Address Setting

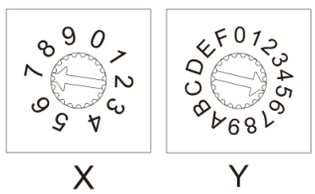
Address value = X * 10 + Y.
For example: X = 5, Y = 4, Address value = 5 x 10 + 4 = 54.

Unicast mode



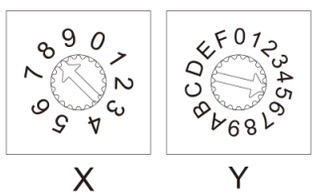
X is 0-6, Y is 0-9.
Address value 0-63 correspond to DALI unicast address 00-63.
For example:
Address value = 40, the unicast values of K1,K2,K3,K4 push button are 40, 41, 42, 43.
Address value = 62, the unicast values of K1,K2,K3,K4 push button are 62, 63, 0, 1.
Short press K1,K2,K3,K4 button to turn on/off light.
Long press K1,K2,K3,K4 button to increase or decrease brightness.

Group mode



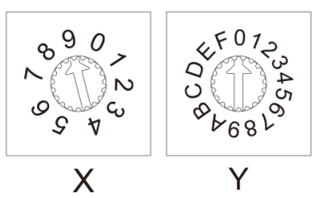
X is 7, Y is 0-F.
Address value 70-7F correspond to DALI group address 0-15.
For example:
Address value = 5, the group address value of K1,K2,K3,K4 push button are 5, 6, 7, 8.
Address value = E, the group address value of K1,K2,K3,K4 push button are 14, 15, 0, 1.
Short press K1,K2,K3,K4 button to turn on/off light.
Long press K1,K2,K3,K4 button to increase or decrease brightness.

Scene mode



X is 8, Y is 0-F.
Address value 80-8F correspond to DALI scene 0-15.
For example:
Address value = 5, the scene value of K1,K2,K3,K4 push button are 5, 6, 7, 8.
Address value = E, the scene value of K1,K2,K3,K4 push button are 14, 15, 0, 1.
Short press K1,K2,K3,K4 button to recall the scene.
Long press K1,K2,K3,K4 button 2s to turn off the scene light.

Broadcast mode



X is 9, Y is 0-F.
Address value 90 - 9F correspond to broadcast address.
Short press K1,K2,K3,K4 button to turn on/off light.
Long press K1,K2,K3,K4 button to increase or decrease brightness.