DALI Single Color Touch Controller
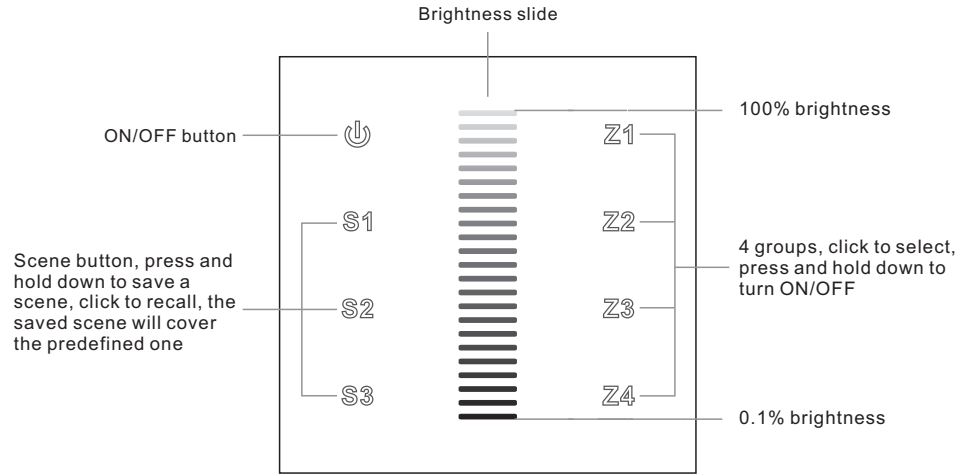
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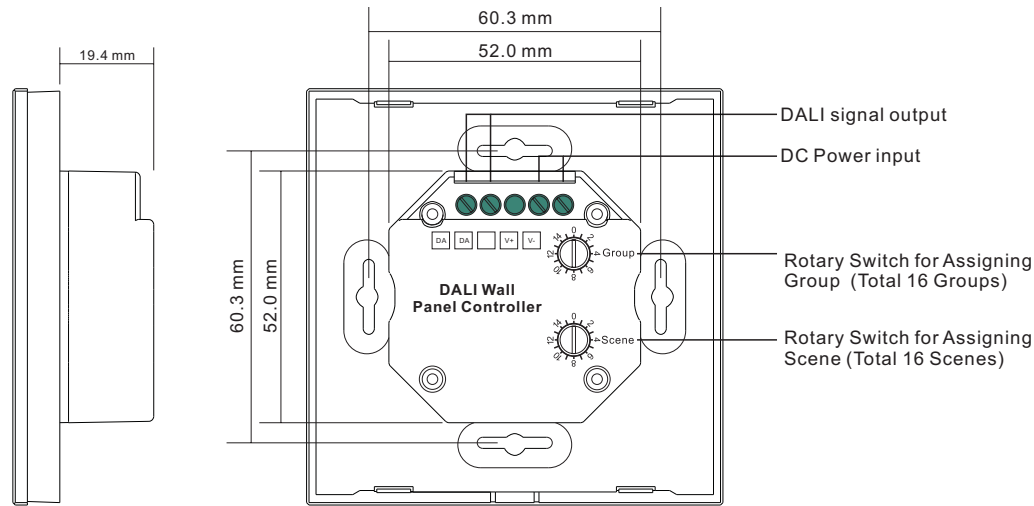
Important: Read All Instructions Prior to Installation

Function introduction

Brightness slide

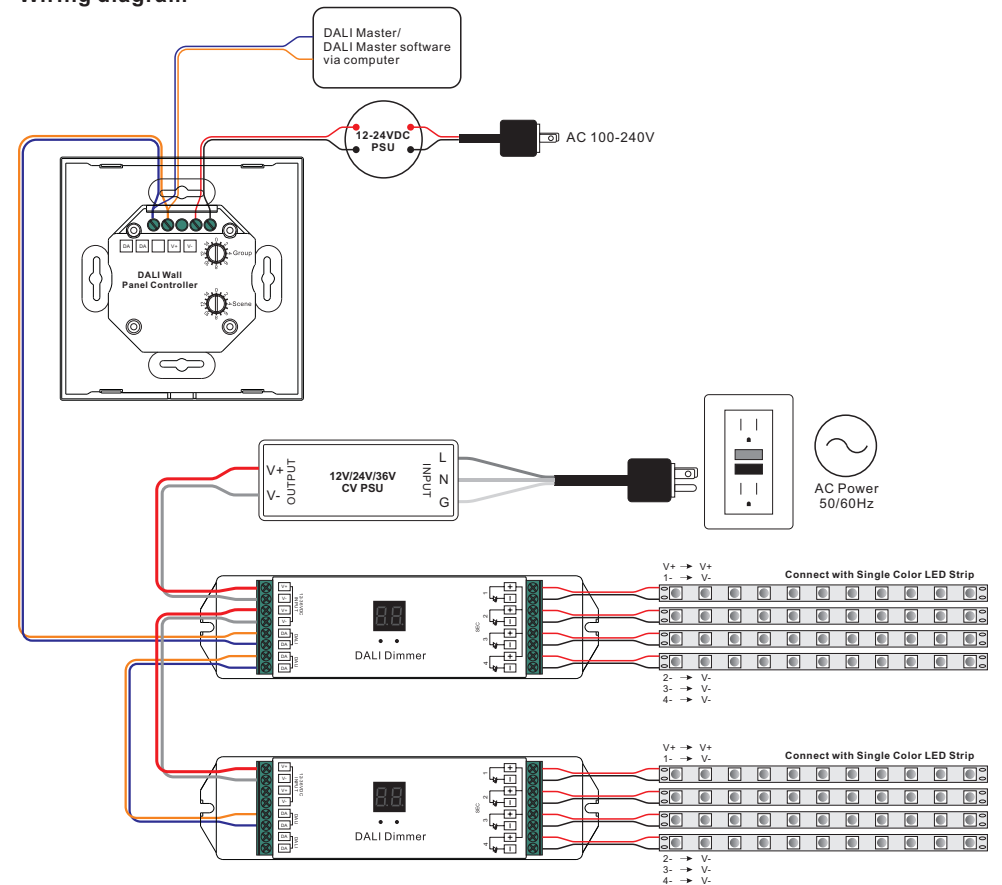ON/OFF button

100% brightness

Z1

S1

Z2

4 groups, click to select, press and hold down to turn ON/OFF

Scene button, press and hold down to save a scene, click to recall, the saved scene will cover the predefined one

S2

Z3

S3

Z4

0.1% brightness

Front side

19.4 mm

60.3 mm
52.0 mm

DALI signal output

DC Power input

DA DA V+ V-

DALI Wall Panel Controller

60.3 mm
52.0 mm

Rotary Switch for Assigning Group (Total 16 Groups)

Rotary Switch for Assigning Scene (Total 16 Scenes)

Back side

Product Data

Output Signal	DALI signal
Power Supply	12-24VDC
Power consumption	<15 mA
DALI consumption	4 mA
Operating temperature	0-40°C
Relative humidity	8% to 80%
Dimensions	86x86x29.1mm

• Touch sensitive.
• Glass interface(white & black).
• Comply to DALI standard protocol IEC 62386-102, IEC 62386-207 and in compliance with DALI products from other international incorporation
• Enable to control 4 DALI groups and 3 DALI scenes.
• Enable to set start DALI group number and start DALI scene number to be controlled by rotary switches.
• Enable to control all devices on DALI line via broadcast

Safety & Warnings

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

Wiring diagram

DALI Master/ DALI Master software via computer

12-24VDC PSU

AC 100-240V

DALI Wall Panel Controller

Group

Scene

V+ V- OUTPUT

12V/24V/36V CV PSU

L N G INPUT

AC Power 50/60Hz

V+ → V+
1- → V-
Connect with Single Color LED Strip

DALI Dimmer

2- → V-
3- → V-
4- → V-

V+ → V+
1- → V-
Connect with Single Color LED Strip

DALI Dimmer

2- → V-
3- → V-
4- → V-

Operation

1. Set starting Group number via rotary switch on the back: (0-15 selectable)
• This DALI touch panel controller enables dimming commands commands to be sent to 4 Groups of devices on the DALI circuit. A rotary switch on the back is used to select Groups you would like to control and set the starting Group number, and total 16 Groups (0-15) can be selected.

• When the rotary switch arrow position is at 0, Z1 controls all DALI devices on the circuit via broadcast, Z2 controls DALI Group 0, Z3 controls Group 1, and Z4 controls Group 2.

• When the rotary switch arrow position is at X except 0 (1-12), Z1 controls DALI Group X-1, Z2 controls Group X, Z3 controls Group X+1, and Z4 controls Group X+2.

• When the rotary switch arrow position is at 13, Z1 controls devices in DALI Group 12, Z2 controls devices in DALI Group 13, Z3 controls devices in DALI Group 14, and Z4 controls all devices through broadcast.

• When the rotary switch arrow position is at 14, Z1 controls devices in DALI Group 13, Z2 controls devices in DALI Group 14, Z3 controls all devices through broadcast, Z4 controls devices in DALI Group 0.

• When the rotary switch arrow position is at 15, Z1 controls devices in DALI Group 14, Z2 controls all devices through broadcast, Z3 controls devices in DALI Group 0, Z4 controls DALI group 1.

Note: all DALI slaves on the circuit shall be assigned to one or more DALI groups by DALI master first.
Please refer to the detailed Group setting table as follows:

Rotary Switch Position	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DALI Group for Z1	Broadcast	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
DALI Group for Z2	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Broadcast
DALI Group for Z3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Broadcast	0
DALI Group for Z4	2	3	4	5	6	7	8	9	10	11	12	13	14	Broadcast	0	1

2. Set starting Scene number via rotary switch on the back: (0-15 selectable)
• This DALI touch panel controller enables Scene selection commands for 3 Scenes to be sent to the DALI circuit. A rotary switch on the back is used to set the starting scene number from 16 DALI Scenes (0-15).
• When the rotary switch arrow position is at X (0-15), S1 controls DALI Scene X, S2 controls X+1, S3 controls X+2.
Please refer to the detailed Scene setting table as follows:

Rotary Switch Position	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Scene assigned to S1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Scene assigned to S2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	0
Scene assigned to S3	2	3	4	5	6	7	8	9	10	11	12	13	14	15	0	1

Note: the 16 DALI Scenes can be predefined with DALI master or saved with this control panel to devices in desired DALI Groups.

Installation

12-24VDC Power Supply