SUNRICHER

SR-2309Pro-5C
DALI DT8 Controller

PRI:
Uin=12-36VDC
Iin=25.5A
SEC:
Uout=5x(12-36)VDC
Iout=5x5A
Pout=5x(60-180)W

• tc=75℃
ta=-20℃-+50℃

0.5-2.5mm²
6-7mm

PUSH DIM
L O——ⴢ——ODA
NO——·——ODA

DALI

DA / DA / DA / DA

DALI 2 UK CA CE RoHS TÜVRheinland

12-36V DC INPUT
V- / V- / V+ / V+

LED OUTPUT
+
1- WW- R- R-
2- CW- G- G-
3- WW- B- B-
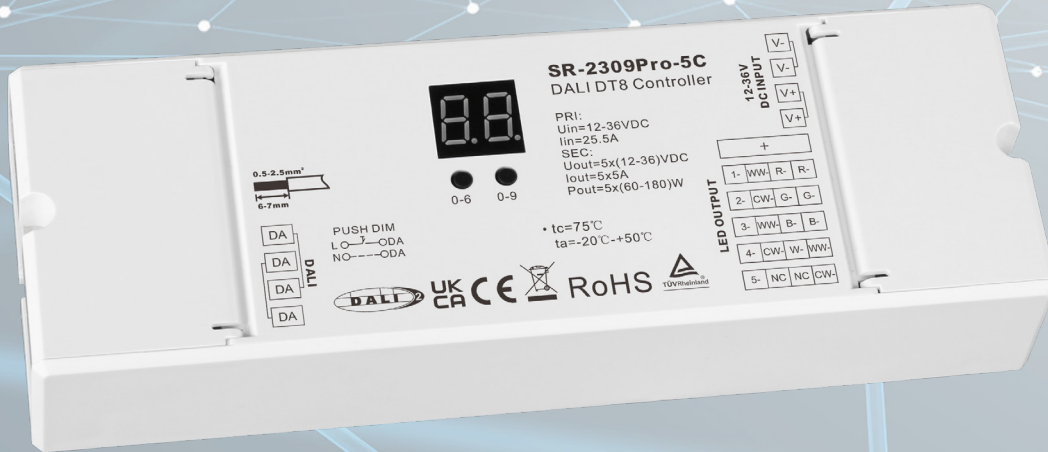4- CW- W- WW-
5- NC NC CW-

2 YEAR
WARRANTY

Multi colour DALI2 DT8 LED DC converter with PWM output

Features of the:
SR-2309Pro-5C

- Constant Voltage PWM Output
- DC Input/Output Range: 12-36 VDC
- DALI 2 DT8(XY/TC)
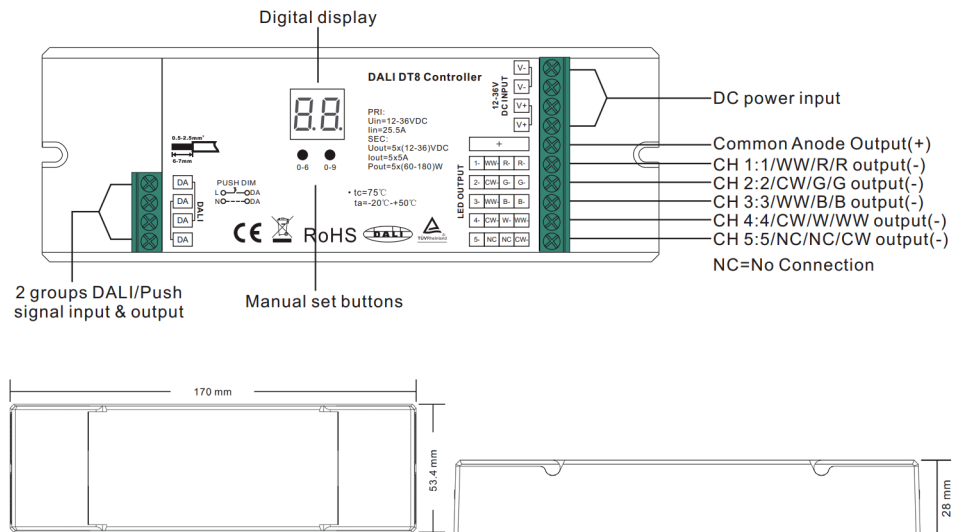- Colour control:
  • Single
  • RGBCW(5 Ch)
  • CCT

CE Ⓕ ☒ DALI 2 IP20 SELV

Specification

Model		SR-2309Pro-5C
Output	DC voltage	12-36V PWM (equal to input voltage)
	Rated current	5 x 5A
	Rated power	5 x (60-180)W
	PWM refresh rate	3kHz
Input	Voltage range	12-36VDC
Environment	Working TEMP.	-20 - +50°C
	Waterproof Grade	IP20
Others	Net. weight	0.22kg
	Size	170*59*29mm (L*W*D)
Notes		1. DALI Master must to be compatible with DT8 2. DALI Master must to be compatible with the different available modes. 3. DALI address can be assigned either by the Master or from the device itself. 4. Do not install with power applied to device. 5. Do not expose the device to moisture

Mechanical Specification

- Input Low voltage: 4 pole terminal block: Positive (V+), Negative (V-).

- Output LED's: 6 pole terminal block: 1 common Positive (+), 5 individual Negative (#-).

- DALI: terminals 4 pole terminal block: Common DL1 and common DL2.

- Suggested wire diameter: Input/Output: 0.5-2.5mm

Digital display

DALI DT8 Controller

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12-36V DC INPUT

LED OUTPUT

PUSH DIM

2 groups DALI/Push signal input & output

Manual set buttons

DC power input

Common Anode Output(+)
CH 1:1/WW/R/R output(-)
CH 2:2/CW/G/G output(-)
CH 3:3/WW/B/B output(-)
CH 4:4/CW/W/WW output(-)
CH 5:5/NC/NC/CW output(-)

NC=No Connection

170 mm

53.4 mm

28 mm

Instructions

1. Set DALI address using manual set buttons:

1.1. Press and hold any of the two buttons until the numeric display starts flashing; then, release the button.

1.2. Click either button to choose a digit. Click again to adjust the digit until the desired DALI address appears. Use the first button for the "tens" position and the second button for the "units" position. The address range is from 00 to 63.

1.3. Press and hold any of the two buttons until the numeric display stops flashing to confirm your setting.

Note: DALI address can be manually assigned from 00-63 or FF.
Factory defaults shows "FF", no DALI address is assigned. Setting DALI address as "FF" will reset the dimmer to factory defaults.
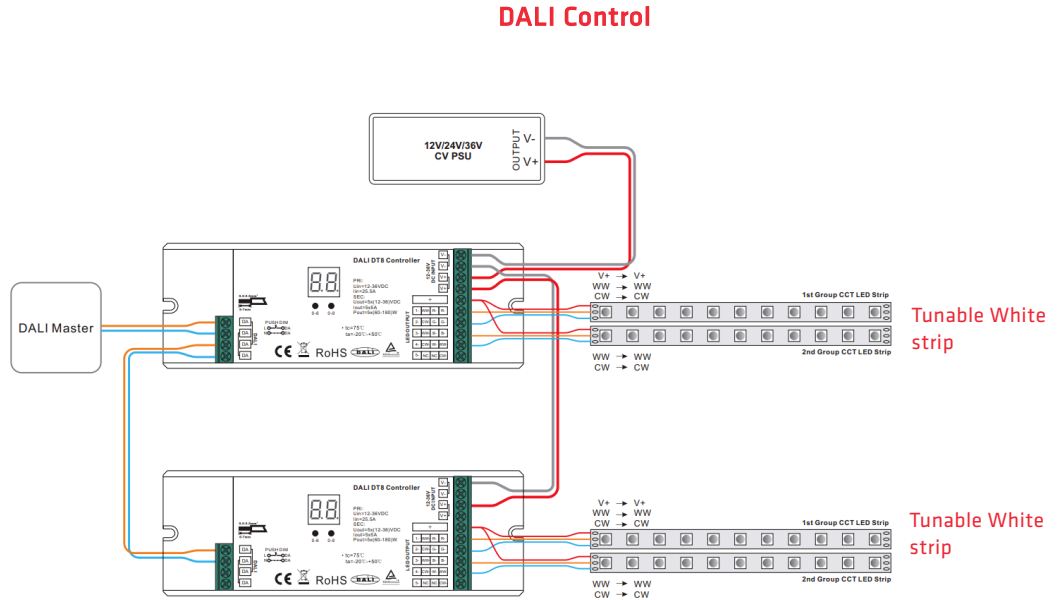
2. Set DALI device type:

2.1. Press and hold both buttons until the numeric display starts flashing; then, release the buttons.

2.2. Click the 2nd button(0-9) to cycle through the modes.

2.3. After selecting the desired device type press and hold both buttons until the display stops flashing.

Note: The available modes are described in the next section.

Wiring Diagrams & Instructions

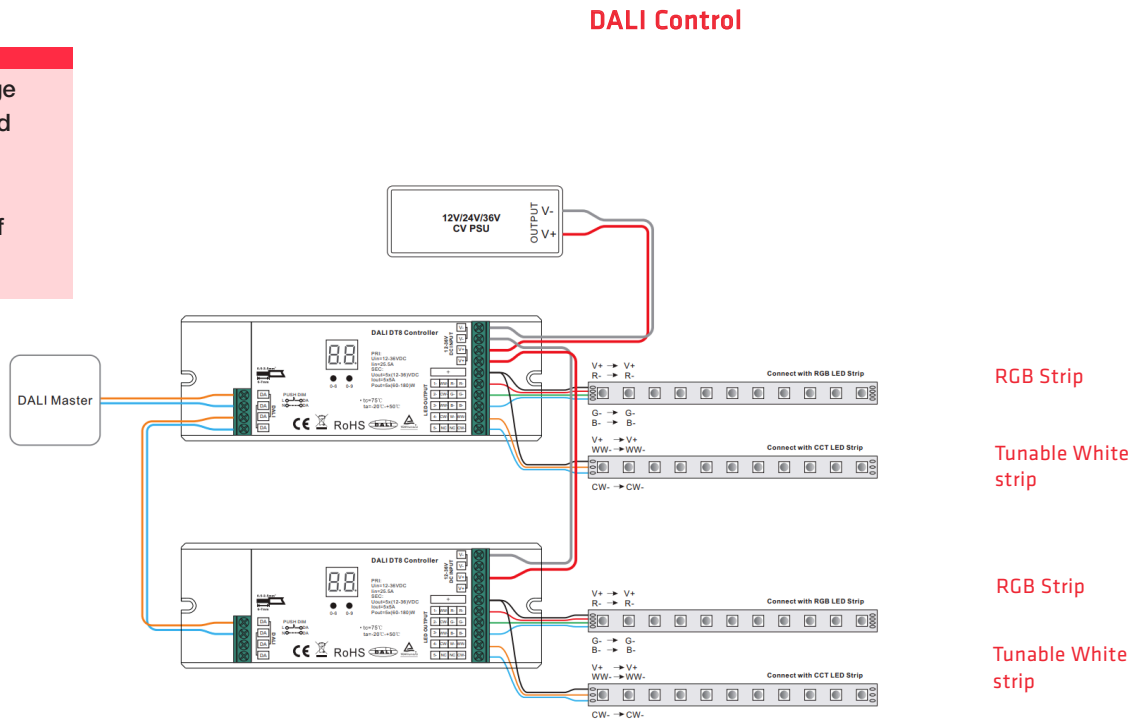## 7.c multi-addresses Tc (DT8)

• This mode is designed to control two separate groups of tunable white LEDs, each with its own DALI address.
• The DALI Master will discover two separate Tc devices, if compatible.

DALI Control

Tunable White strip

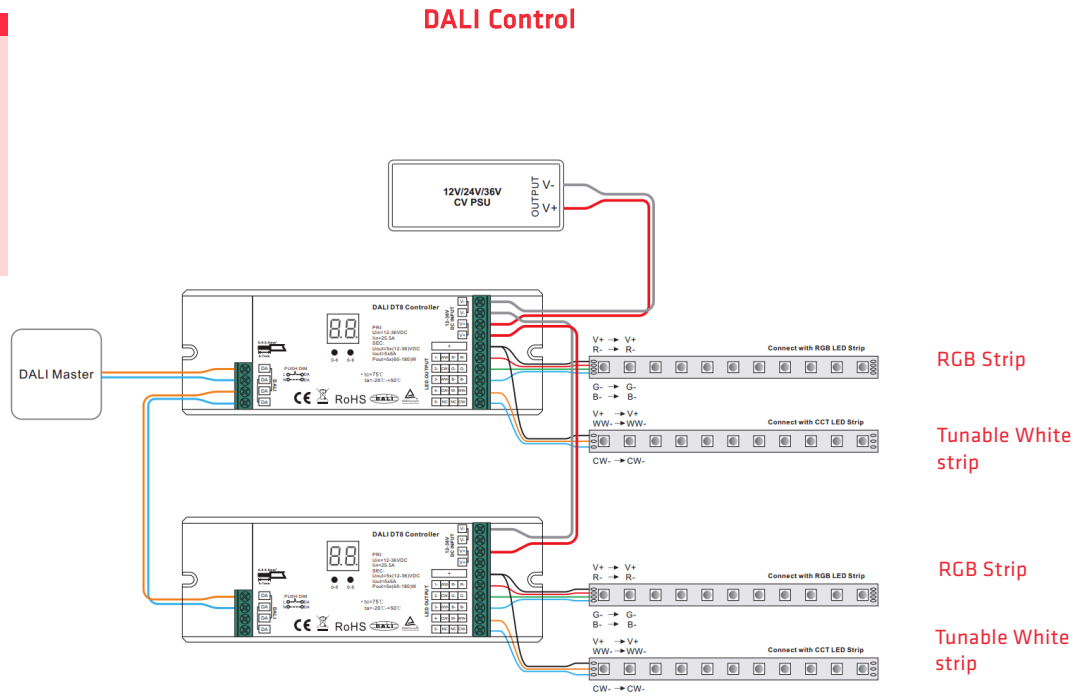Tunable White strip

H.c multi-addresses XY + Tc (DT8)

• This mode is designed to manage two separate devices XY(RGB) and TC(Tunable white).
• The DALI Master will discover two separate devices XY and Tc, if compatible.

DALI Control

RGB Strip

Tunable White strip

RGB Strip

Tunable White strip

ADM Systems Pty Ltd   **E** sales@admtech.com.au   **T** 1300 236 467

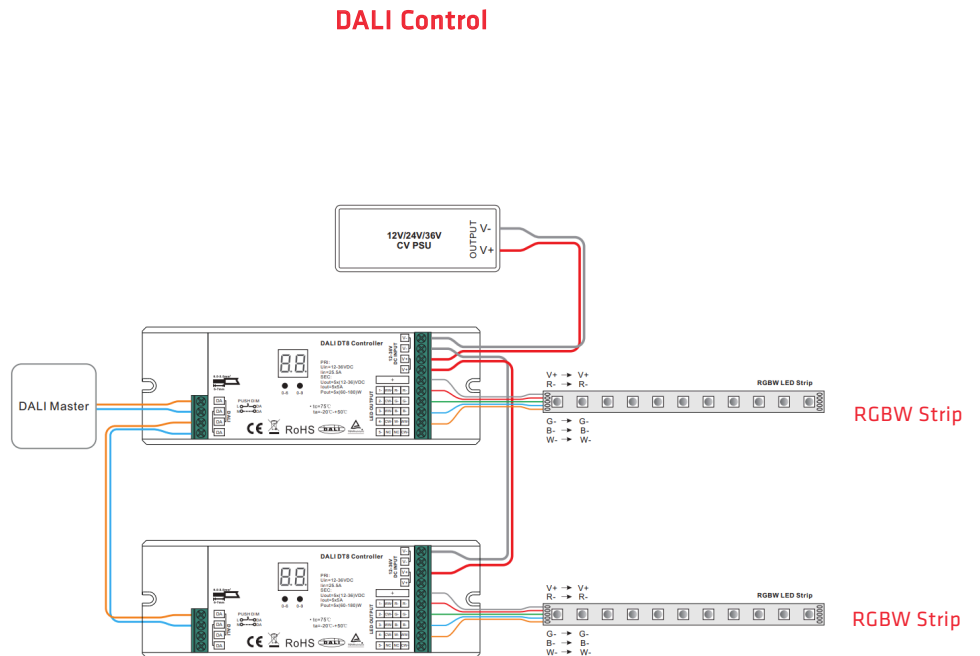# Wiring Diagrams & Instructions

┌.C multi-addresses RGB + Tc (DT8)

• This mode is designed to manage two separate devices RGB and TC(Tunable white).

• The DALI Master will discover two separate devices RGB and Tc, if compatible.

DALI Control

RGB Strip

Tunable White strip

RGB Strip

Tunable White strip

H.6 multi-addresses XY (DT8) + single colour (DT6)

• This mode is designed to manage two separate devices XY(RGB) and a White colour (DT6).

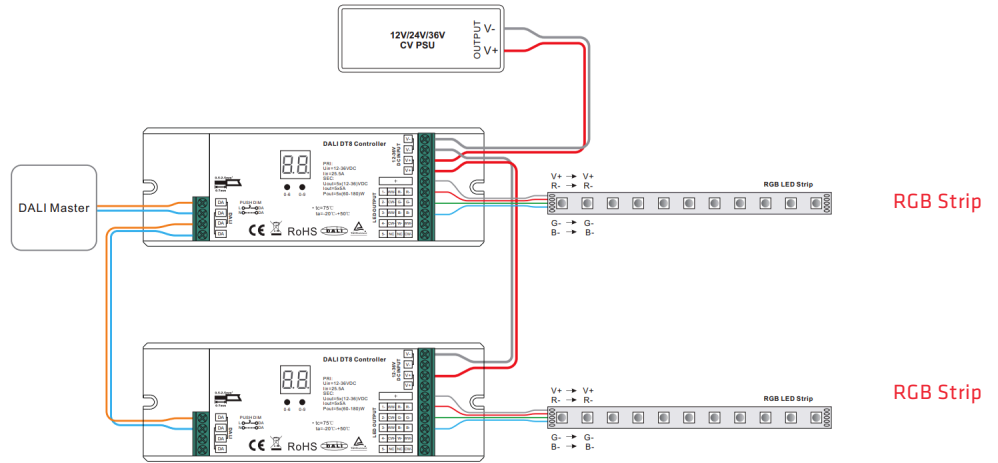• The DALI Master will discover 2 separate devices XY + Single color(DT6), if compatible.

DALI Control

RGBW Strip

RGBW Strip

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Wiring Diagrams & Instructions

┤┤ single-address XY (DT8)

DALI Control

• This mode is designed to manage a single address device XY(RGB).
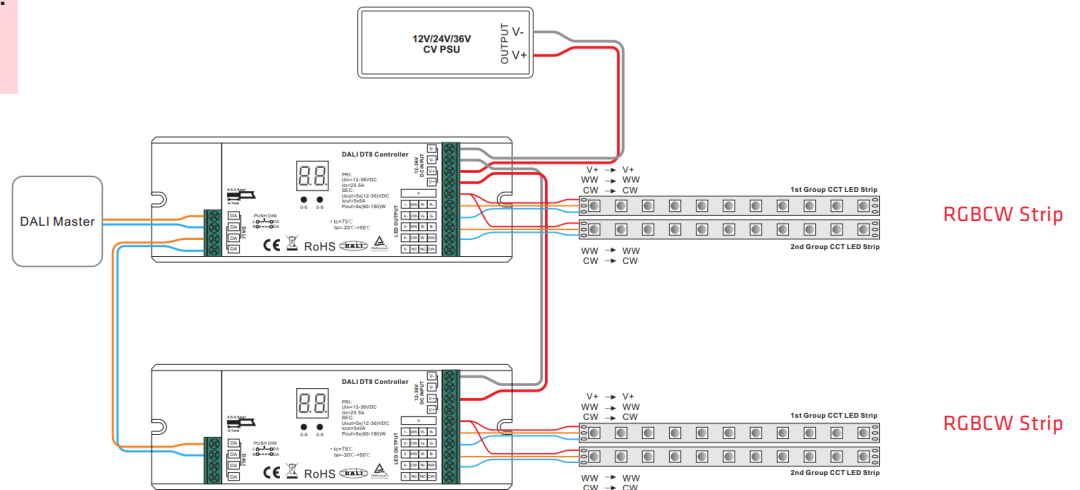
• The DALI Master will discover one XY device.

RGB Strip

RGB Strip

┐⊏ single-address Tc (DT8)

DALI Control

• This mode is designed to manage a single address device Tc(Tunable white).
• The DALI Master will discover one Tc device.

RGBCW Strip

RGBCW Strip

Wiring Diagrams & Instructions

r9 single-address RGBWAF (DT8)

• This mode is designed to manage a single address device RGBWAF (RGBW Amber and Free colour).
• The DALI Master will discover one single RGBWAF device, if compatible.

DALI Control

RGB Strip

Tunable White strip

RGB Strip

Tunable White strip