

1-10V LED Interfaces

LED Dimmable Interface 4 In 1 0/1-10V
240-960W 12-48V



MR. RESISTOR[®]
Lighting Specialist Est. 1968



SR-2303P (4IN1) 1-10V

240-960W 12-48V
Quicklink: Q6A64

General

Colour	White
Construction	Plastic
Dimmable	Yes
Operating Temperature	-20°C +50°C

Dimensions

Height	28mm
Length	170mm
Width	53.4mm

Electrical

Amperage	20A
Input Voltage	12-48V
Maximum Wattage	960W

The SR-2303P (4IN1) combines four dimming interfaces in one unit: DALI 2, Push, Phase Cut, and 0/1-10V. The desired interface can be easily selected using DIP switches, making the dimmer flexible for different control systems.

The dimmer features one constant voltage output channel supporting 12V, 24V, 36V, or 48V DC, with a maximum output of 20A. It operates on a 12-24V DC power input, making it suitable for a wide range of LED lighting applications.

- For **phase cut control**, the dimmer supports both leading edge and trailing edge dimming, ensuring compatibility with most universal phase cut dimmers on the market.
- When used in **DALI mode**, the dimmer fully complies with DALI standards IEC 62386-101, IEC 62386-102, and IEC 62386-207, guaranteeing seamless compatibility with all standard DALI systems.
- When the **0/1-10V interface** is selected, the dimmer is compatible with standard 0/1-10V control dimmers, providing reliable and smooth dimming performance.

Multifunction LED dimmer with DALI-2, Push, Phase Cut, 0/1-10V 4 dimming interfaces in 1. It is designed with dip switch to select different interfaces. The LED dimmer has 1 channel 12V/24V/36V/48VDC constant voltage output which can support up to 20A. It is designed with 12-24VDC input. This phase control LED dimmer supports both leading and trailing edge dimming input and can be compatible with universal phase cut dimmers. The DALI LED Dimmer complies to DALI standards IEC 62386-101, IEC 62386-102, IEC 62386-207 and match all DALI systems in the market. While selecting 0/1-10V interface, it can be compatible with universal 0/1-10V dimmers.

Part No.	Input Voltage	Output Current	Output Voltage	Maximum Output Power
SR-2303P (4 in 1)	12-48VDC	Max. 20A	12-48VDC	240W @ 12V, 480W @ 24V, 720W @ 36V, 960W @ 48V

Key Features

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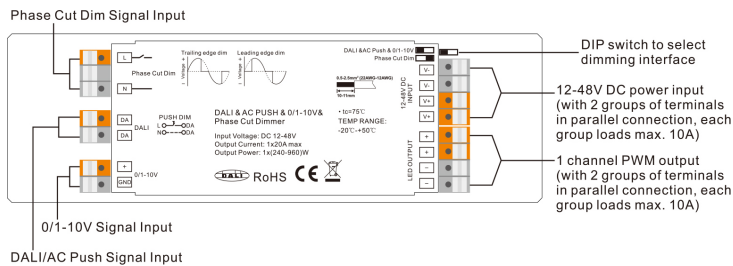


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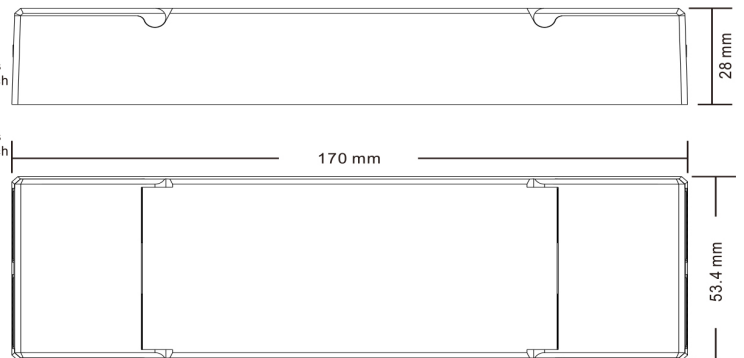
- Multifunction LED Dimmer
- With DALI-2, Push, Phase Cut, 0/1-10V 4 dimming interfaces in 1
- Dip switch to select different dimming interfaces
- 1 channel 12-48VDC output, max 20A
- Supports both leading and trailing edge dimming input
- Match all DALI system in the market
- 1 DALI address assigned by DALI master
- To work with power repeater to expand output power unlimitedly
- IP20 rating, suitable for indoor LED lighting applications.

Safety & Warnings:

- DO NOT install with power applied to device
- Do not select dimming input with power applied to the device
- DO NOT expose the device to moisture



Product Dimension



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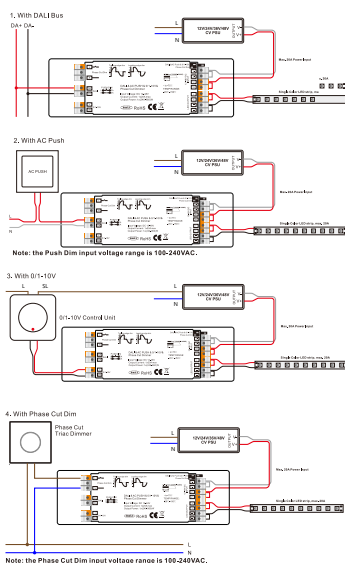
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Wiring Diagram (When connecting with a single load that is over 10A)

Note: the device allows 0.5-2.5mm² wire specifications, please make sure the rated current of the used wire is enough for the loads.



Wiring Diagram (When connecting with two separate loads and each one is not over 10A)

Note: the device allows 0.5-2.5mm² wire specifications, please make sure the rated current of the used wire is enough for the loads.

