



Technology Partner
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Bluetooth Phase Load Dimmer with 12V Aux Output SR-SV2421-TR5-AUX

Features

- Bluetooth phase load dimmer
- Standard 1/2" knockout design, easy to integrated to a junction box
- Built-in IoT/Sensor application interface, Max. 100mA@12V
- Work with our BLE to 0-10V load dimmer to realize more convenient and flexible control
- Support reverse edge(trailing edge) type driver
- Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDb
- External antenna, typical mesh range is over 30meters.
- Bluetooth® qualified. Bluetooth DID:D061817
- UL listed. Category: PAZX (Management Equipment, Energy). UL 2043 Plenum Rated
- Waterproof grade: IP20
- 5 years warranty

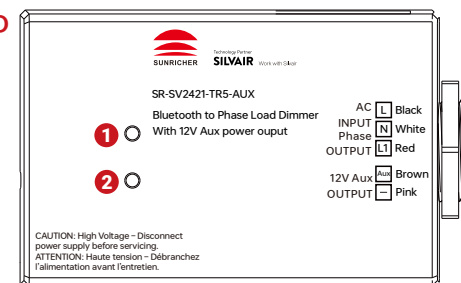


Parameters

Input	Power	100-277VAC
Output, Aux. Power	VDC/mA	12V, Max. 100mA
Output, Phase Dimming	Line Voltage	100-277VAC
	Current	Max. 2.1A
Environment	Operating Temperature	0°C~+40°C
	Relative Humidity	8% to 80%
Others	Size	82.5*55*31mm

Compatible Load Types			
Load Symbol	Load Type	Maximum Load	Remarks
	Incandescent lighting HV Halogen lamps	1*252W@120V , 1*504W@240V 1*415W@277V	
	Low voltage halogen lighting with electronic transformers	1*252W@120V , 1*504W@240V 1*415W@277V	
	Dimmable LED lamps	1*126W@120V 1*252W@240V 1*207W@277V	
	Dimmable LED Drivers	1*126W@120V 1*252W@240V 1*207W@277V	

Product info

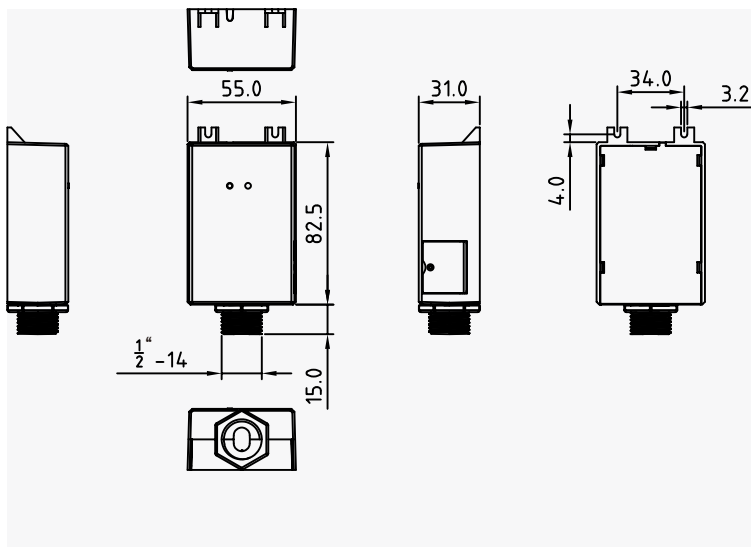


- ① LED Indicator (Network status, unprovisioned quick flash; provisioned slow flash)
- ② Reset Button(Long press for 5s, LED quick flash)

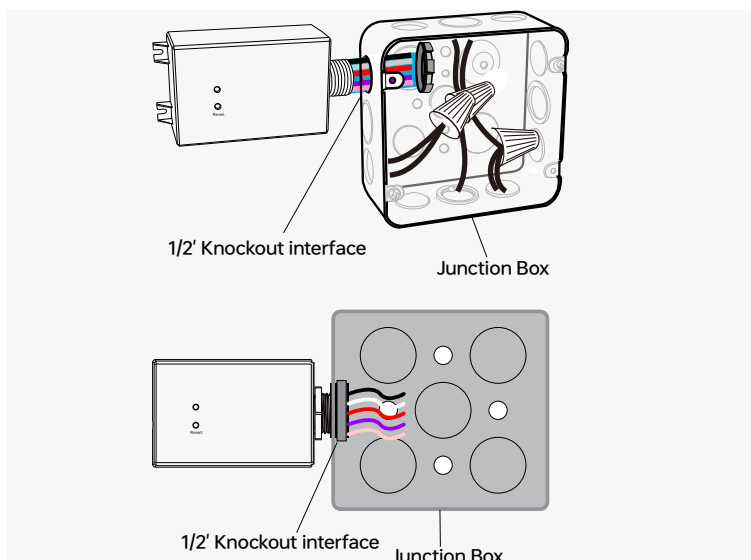


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Dimension



Installation



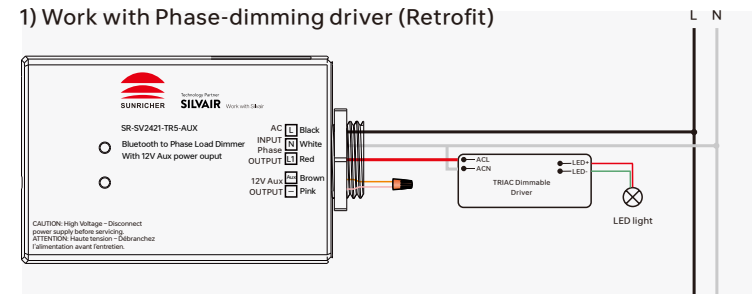
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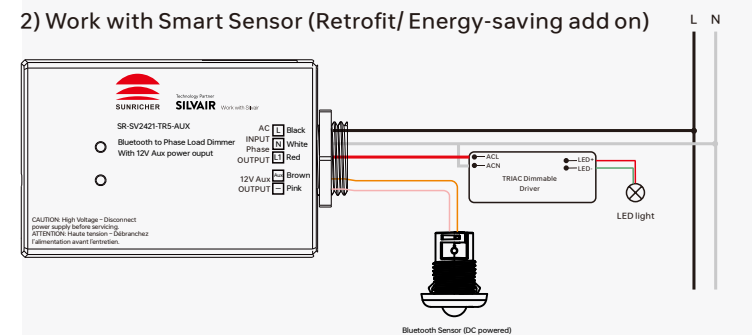


Wiring

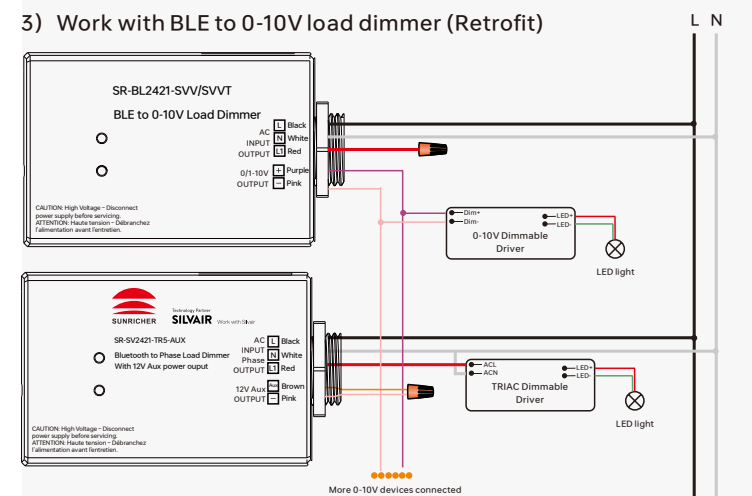
1) Work with Phase-dimming driver (Retrofit)



2) Work with Smart Sensor (Retrofit/ Energy-saving add on)



3) Work with BLE to 0-10V load dimmer (Retrofit)





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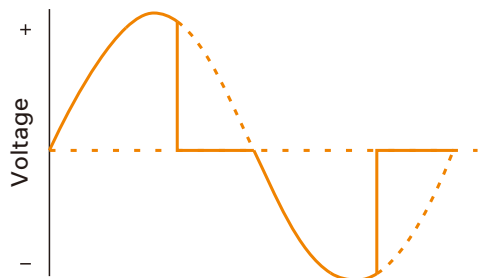


Note:

- 1) You can both have 0-10V and Phase dimming. Those traditional dimming methods become Wireless.
- 2) You can handle those major retrofit projects, whether they're using Phase dimming or 0-10V, even both. We have PROPER solutions.
- 3) Smart IoT Aux power interface allows you to have that diversity into different applications.
Especially for those projects with energy-code requirements.

Dimming

Reverse-phase/Trailing-edge control



Note:

The default is reverse-phase dimming, which could be forward-phase based on requirements.

Warning

- DO NOT expose the device to moisture.
- DO NOT install with power applied to device.
- DO wiring according to connection diagram.

Update Log

Date	Version	Update Content	Update by
2024-5-18	V1.1	Parameter Update	Romeo



Subject to change without notice. Please contact us if you have any questions.