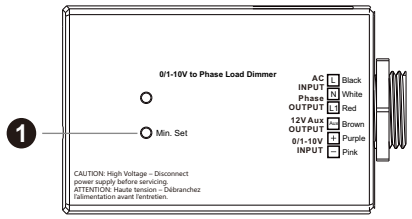
0-10V to Phase Load Dimmer with 12V Aux Output

Important: Read All Instructions Prior to Installation

Features

- 0-10V to Phase load dimmer, signal converter
- Standard 1/2'' knockout design, easy to integrated to a junction box
- Built-in 0/1-10V interface
- Compatible with universal 0/1-10V signal
- Integrated 12V Aux power supply output enables users to connect sensors and IoT applications.
- Work with our BLE to 0-10V load dimmer to realize more convenient and flexible control
- Support reverse edge(trialing edge) type driver
- UL listed. Category: PAZX (Management Equipment, Energy). UL 2043 Plenum Rated
- Waterproof grade: IP20
- 5 years warranty

Product info



❶ Adjust brightness to a desired level, then hold " Min. Set" key until the connected light flashes to save the minimum brightness level, now the load can only be dimmable between this level and 100%.

The dimming range of this dimmer is 1%-100%, but some load types may flicker when dimmed to 1%, thus a minimum brightness shall be set higher than 1% to avoid flickering during the dimming process.

Parameters

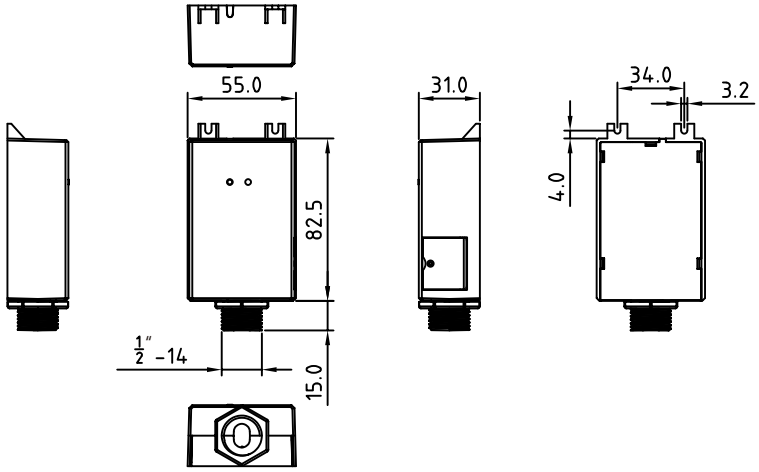
Input	Power	100-277VAC
	Signal	0-10V
Output, Aux. Power	VDC/mA	12V, Max. 100mA
Control, Phase Dimming	Line Voltage	100-277VAC
	Current	Max. 2.1A
Environment	Operating Temperature	0°C-+40°C
	Relative Humidity	8% to 80%
Others	Size	82.5*55*31mm

Compatible Load Types

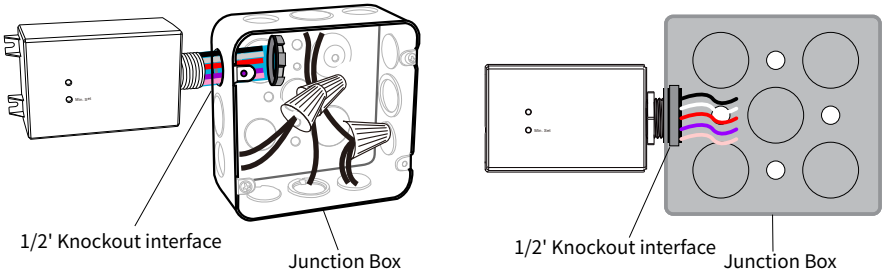
Load Symbol	Load Type	Maximum Load	Remarks
	Incandescent lighting HV Halogen lamps	1*252W@120V 1*504W@240V 1*415W@277V	
	Low voltage halogen lighting with electronic transformers	1*252W@120V 1*504W@240V 1*415W@277V	
	Dimmable LED lamps	1*126W@120V 1*252W@240V 1*207W@277V	
	Dimmable LED Drivers	1*126W@120V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

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

Dimension

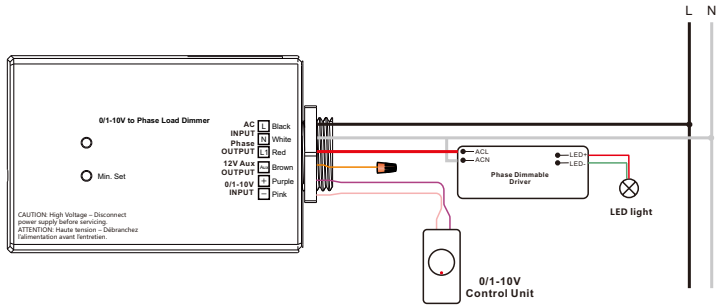


Installation

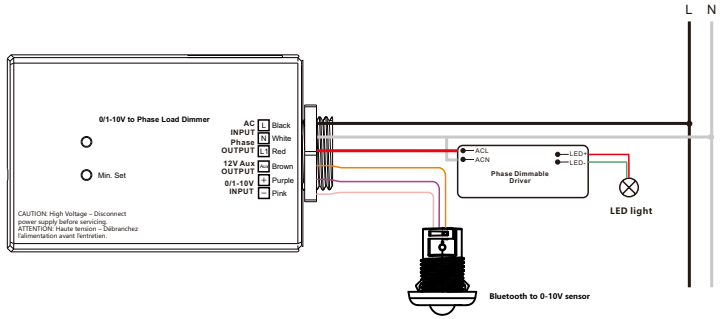


Wiring

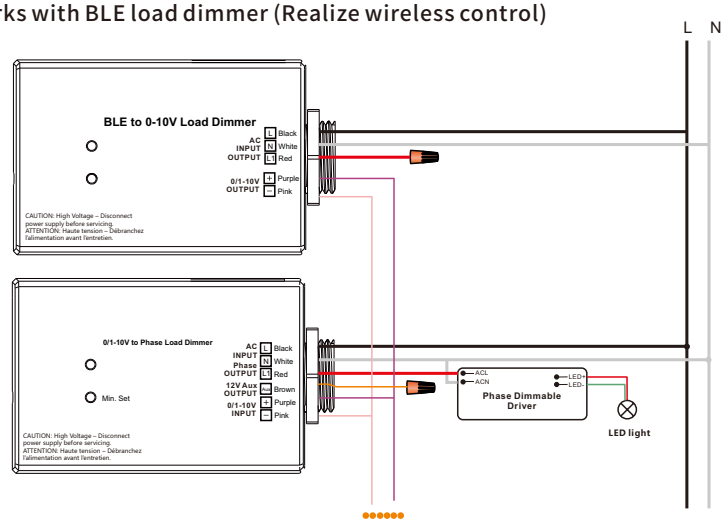
0-10V Dimmer controls Phase Driver



BLE to 0-10V sensor controls Phase Driver(Realize wireless control)

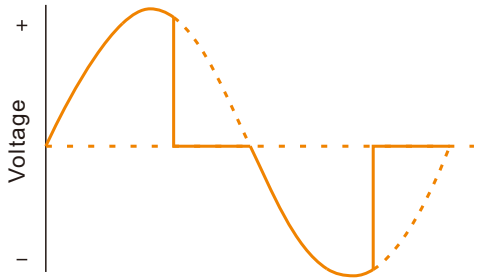


Works with BLE load dimmer (Realize wireless control)



Dimming

Reverse-phase control



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

Update Log

Date	Version	Update Content	Update by
2024-7-23	V1.3	Parameter Update	Romeo

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