INGY to 0-10V Converter with 20A Relay

SR-IG2421-SVVT

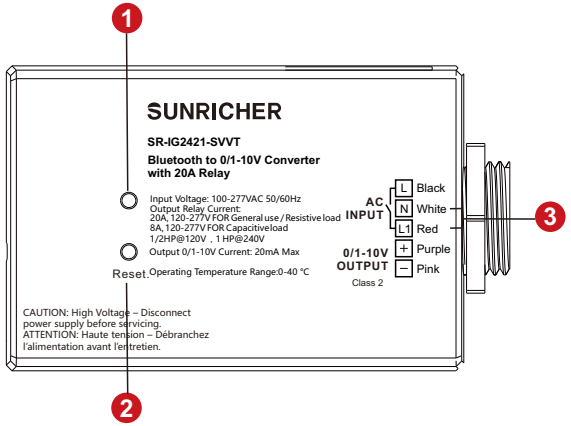
Features

- INGY to 0-10V signal converter, BlWirepas® mesh network
- Built-in 20mA 0–10V signal output, with 20A relay
- Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- Supporting Sunricher kinetic energy switches and EnOcean switches EWSSB and EWSDB
- In typical outdoor environment, the range for wireless communication is about 65meters . Actual range is dependent on field installation
- UL listed, Category: PAZX (Management Equipment, Energy). UL 2043 Plenum Rated
- IPEX antenna
- Waterproof grade: IP20
- 5 years warranty

Parameters

Input	Power	100-277VAC
	Signal	Wirepas (INGY)
Output, 0/1-10V	Current	Max. 20mA
Output, Relay	Switching Voltage	100-277VAC
	Current	Max. 20A
Environment	Operating Temperature	0°C-+40°C
	Relative Humidity	8% to 80%
Others	Size	82.5*55*31mm
Relay Ratings		
Load Type	100-277VAC Signal Converter with 20A Relay	
AC General Use	20A@120~277VAC	
Resistive	20A@120VAC, 20A@277VAC	
Capacitive	8A@120~277VAC	
Motor	0.5 HP@120VAC, 1 HP@240VAC	

Product info



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① LED indicator: When controller is added to the network, the indicator light flashes slowly.

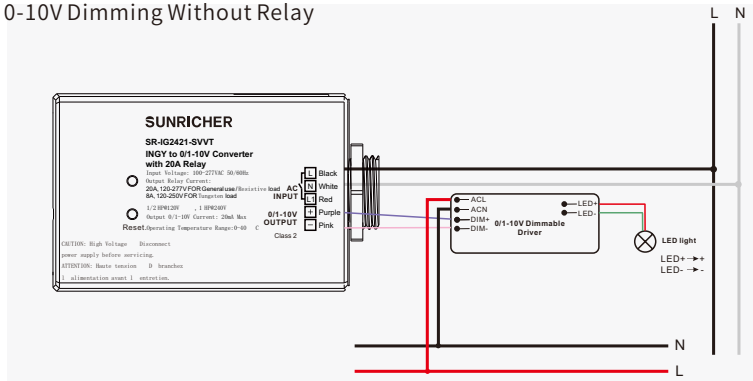
② Reset Key: Press it to help withdraw the device from the internet/APP. LED flashes quickly indicates success.

③ Relay

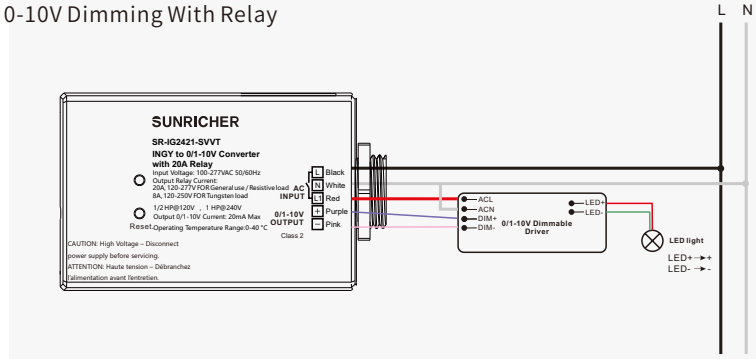
Note: 12AWG for power line; 22AWG for dimming(signal) line

Wiring

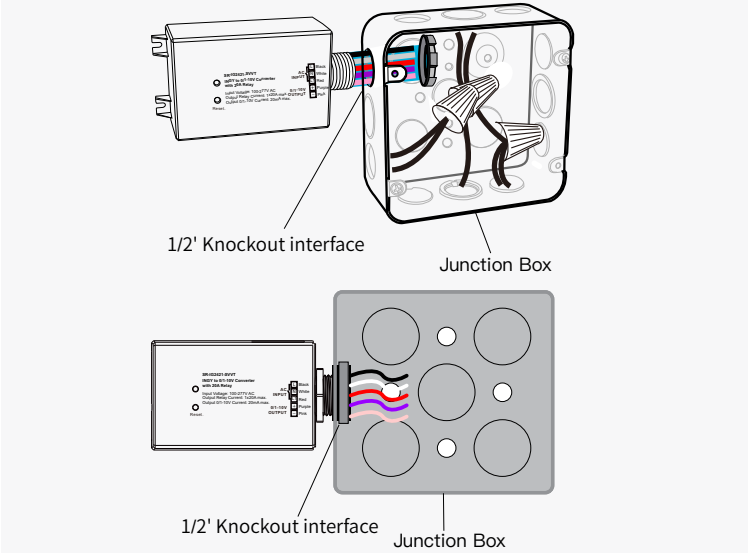
0-10V Dimming Without Relay



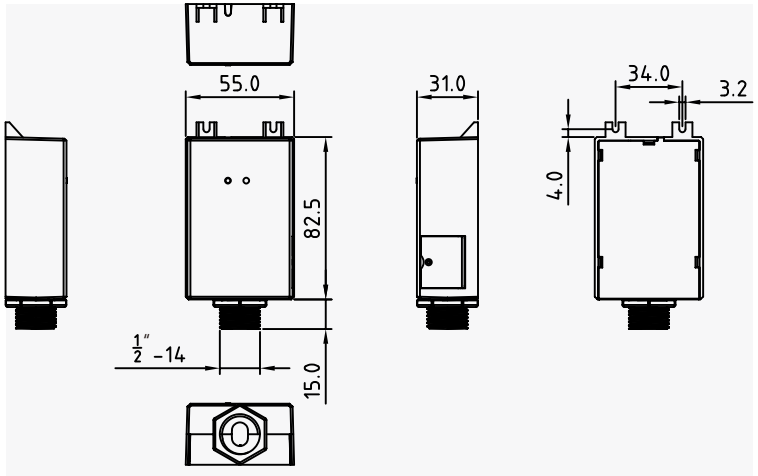
0-10V Dimming With Relay



Installation



Dimension



INGY to 0-10V Converter with 20A Relay

SR-IG2421-SWT

Operation

- Do wiring according to connection diagram.
- Press and hold down the“Reset”button on the controller over 5 seconds until the indicator flashes , which means it has been reset.

Statement

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment offand on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.
The distance between user and products should be no less than 20cm.

Warning

- DO NOT expose the device to moisture.
- DO NOT install with power applied to device.
- Operating control; Type 1.B; Pollution degree: II; Rated impulse voltage: 4000V; Overcurrent protective device: 25A; “When being connected to 277VAC, the control should be connected to three-phase three-wire unearthed systems, and the rated impulse voltage is 4000V.”

Update Log

Date	Version	Update Content	Update by
2025-11-17	V1.0	Initial Version	Romeo

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