

Bluetooth to DALI Converter with Built-in Bus Power

Important: Read All Instructions Prior to Installation



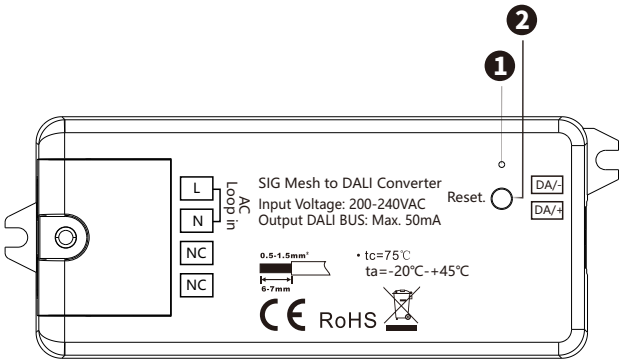
Features

- Bluetooth to DALI signal converter,Bluetooth® mesh network
- Built-in DALI bus power supply,no additional DALI bus PS is required
- Max.50mA DALI bus power current output, can control up to 25 DALI control gears
- All devices on DALI line are broadcast controlled by SunSmart Commissioning tools
- Mesh network, which has a much longer control distance, transmits received signals to neighboring devices
- All device on DALI line are broadcast controlled by mobile application
- Supporting our kinetic energy switches and EnOcean switches EWSSB and EWSDB
- In typical outdoor environment, the range for wireless communication is about 25meters . Actual range is dependent on field installation
- Class II rated
- On-board antenna
- Waterproof grade: IP20
- 5 years warranty

Parameters

Model Number	SR-BL2421-DDI	SR-BL2421-DCT
Dimming	ON/OFF/Light Level	ON/OFF/Light Level/Tunable White
Power	200-240VAC	200-240VAC
Signal	SIG Mesh	SIG Mesh
DALI PS Current Power	Max. 50mA	Max. 50mA
DALI Current Consumption	Max. 4mA	Max. 4mA
Operating Temperature.	-20°C-+45°C	-20°C-+45°C
Relative Humidity	8%-80%	8%-80%
Dimensions	95x37x20mm	95x37x20mm

Product info



- ① LED indicator: When controller is added to the network, the indicator light will quick flash
- ② Reset Key: Press it to help withdraw the device from internet/APP LED flashes quickly indicates success.

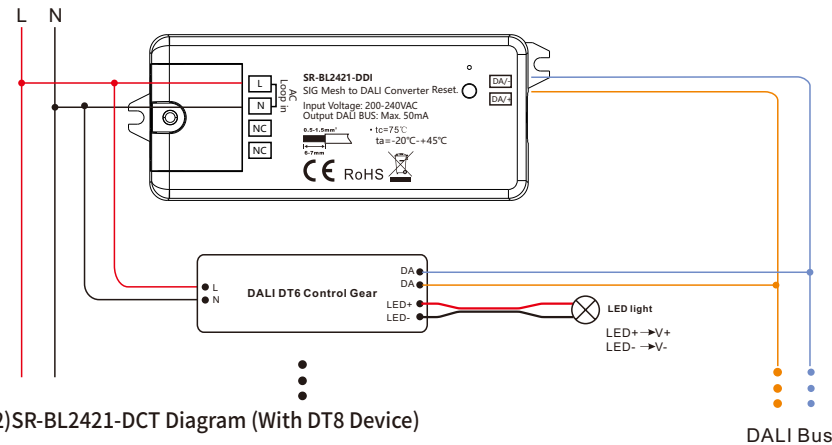
Operation

- Do wiring according to connection diagram.
- Kindly refer to “SunSmart Commissioning User Manual” for further pairing.
- Press and hold down the “Reset” button on the controller over 5 seconds until the indicator flashes , which means it has been reset.

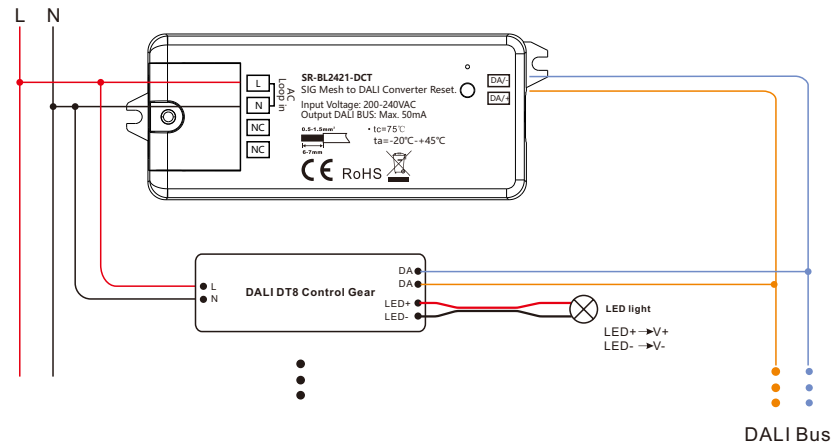
Warning DO NOT expose the device to moisture.
DO NOT install with power applied to device.

Wiring

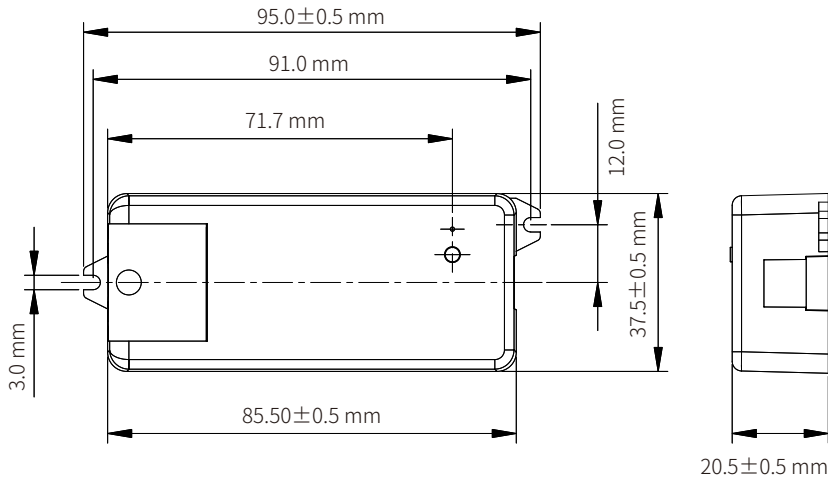
1)SR-BL2421-DDI Diagram (With DT6 Device)



2)SR-BL2421-DCT Diagram (With DT8 Device)



Dimension



Update Log

Date	Version	Update Content	Update by
2025-1-7	V1.0	Initial release	Jesse

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