9329 – Smart Wi-Fi dimmer 0-10V two channels and CCT

1- Safety precautions

Warning: Failure to follow the safety instructions below could result in fire, electric shock, other types of injury or damage to the Smart Dimmer or other property. Read all safety instructions below before using the Smart Dimmer.

- Avoid high humidity or extreme temperatures;
- Avoid prolonged exposure to sunlight or intense UV light;
- Do not drop or subject the unit to strong vibrations;
- Do not disassemble or attempt to repair the unit;
- The Smart Dimmer operates at high voltage (230V) and should not be kept within the reach of children;
- Disconnect the mains power when installing this product;
- Do not bring into contact with flammable liquids, gases or other explosive substances.

2 – Welcome

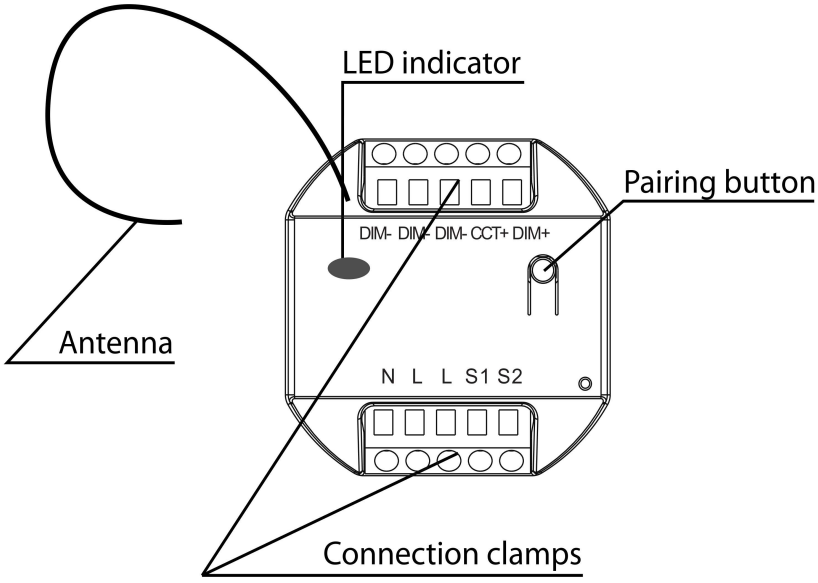
Introducing your smart Wi-Fi actuator.

This actuator is powered by mains voltage and allows you to manage the switching on, off and dimming of two lights controlled by drivers with 0-10V input in four different ways:

1. It allows you to connect with Amazon Alexa and Google Home voice assistants;
2. It can be controlled from your smartphone via the Smart Life app;
3. It can be combined with one or more FEB Easy piezoelectric buttons;
4. It can be controlled by a series of traditional buttons connected directly to the module;
5. It is possible to turn the strip on and off by pressing the button on the actuator itself.

In this guide you will find a product overview and instructions for installation and startup.

3 – A detailed look at your device



Your Smart Dimmer Wi-Fi 9329

- **Connection clamps**: these are the terminals to connect the power supply, the 0-10 V control channels of the LED strip and if desired also a traditional button for each channel. From left to right the sequence of the terminals is:
  - N and L: live and neutral of the power supply
  - S1/S2: Optional traditional buttons;
  - DIM-: negative off the 0-10V control signal;
  - CCT+: positive of the CCT color temperature control
  - DIM+: positive of the luminosity control.
- **Pairing button**: This button has several functions. It is used to start the connection procedure to your home Wi-Fi network, to start pairing with the FEB Easy wireless buttons and to restore the device to factory settings. It is also possible to directly control the actuator by pressing this button to turn the load on and off.
- **LED indicator**: an indicator that provides feedback on the status of the device. In normal operation, the LED indicates the status of the load: on when it is on and off when it is off. When the product starts, the LED flashes quickly, indicating that the actuator is not yet connected to a Wi-Fi network.
- **Antenna:** It is the antenna used to receive radio signals from the FEB Easy wireless buttons.

4 – Start up

- In the image below you can find the two connection diagrams of this module. There are two diagrams because it is possible to use the module in two different ways:
  1. To control a single LED strip with color temperature control;
  2. To control two independent LED strips without color temperature control.

Important: Always remember to disconnect the power when installing this product.

Diagram 1:

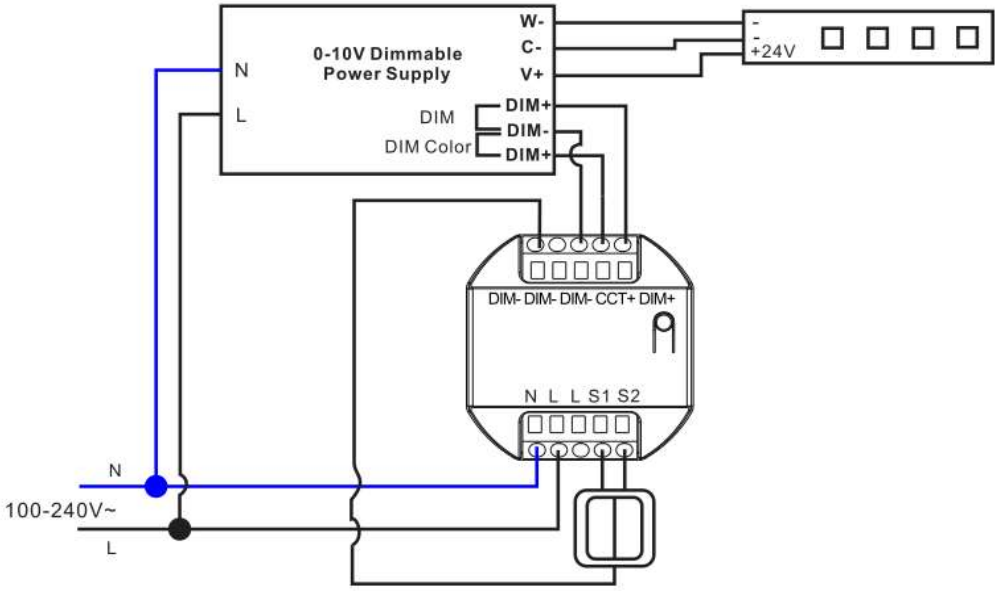
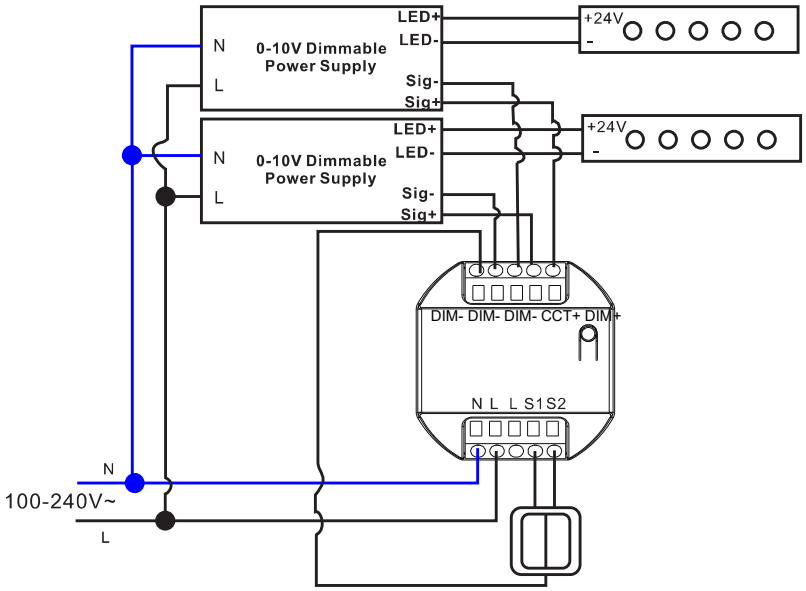


Diagram 2:



The connection diagrams of the 9329

- Depending on the connection scheme you choose, you need to set the device accordingly. The default setting is scheme 1: single strip with color temperature control. You can change the device setting either from the app or by pressing the pairing button. In this case, you need to quickly press the pairing button 4 times: in single strip mode with CCT control, the status LEDs will flash 1 time, in two independent strips mode, the status LEDs will flash 3 times.
- The 9329 module offers the most functionality when controlled via the app. To connect the 9329 actuator to your home Wi-Fi network, download the Smart Life app from the Google Play Store, or the Apple App Store. Tap the + sign in the top right corner and select "Add manually". Scroll down the page until you find the "Dimmer Switch" product and select it. Now start the connection, verify that the network name and password are correct and that there is a 2.4GHz network. The app will ask you to verify that the LED indicator is flashing rapidly and once you have confirmed it, the addition to the network will begin. The process takes about 2 minutes, at the end of which you will see your new module successfully added to the app. You can then change the name and start controlling it from your smartphone. In the app options you can create scenarios, pairings with other devices, time schedules and pair the actuator with Amazon Alexa, Google Home, with the IFTTT platform and various other IoT service providers.
- To pair the 9329 dimmer with a piezoelectric button, simply press the pairing button for about 3 seconds, until the LED indicator starts flashing, then press the button you want to pair. Simply press the button once. You will see that the LED will stop flashing, indicating that the two have been paired. It is possible to connect more than one button to the same actuator, up to a maximum of 10 buttons. There are no limits, however, to the number of actuators that can be controlled by the same button, simply repeat the pairing procedure between the button and all the actuators that you want to be controlled by the same button.
- If the LED is not flashing quickly, you can press the pairing button for about 10 seconds: the LED will flash slowly, then quickly and finally remain lit, at this point release the pairing button. The device will be ready to proceed with pairing to a Wi-Fi network as described in the previous point.
- To connect the actuator to voice assistants, you must activate the Smart Life skills on Google Home or Alexa, directly from the relevant apps. At this point you can proceed with the discovery of the devices available for connection and start controlling your 9329 with voice commands or from the Google Home or Amazon Alexa apps.
- Repeater mode: when you have a button connected to multiple actuators and the furthest actuator is out of range, you can set the closest actuator to act as a signal repeater, thus extending the operating range. The signal of not every button in the system is repeated, but only that which is connected to the actuator that must repeat the signal. Obviously, the others downstream must also be connected to the button, otherwise the signal they receive has no effect on them. To activate the repeater mode, simply press the pairing button of the actuator on which you want to activate the mode for about 7 seconds, that is, when the signal LED changes from slow flashing to faster flashing, at this point you can release the button and the mode is activated. This mode is particularly useful in the case of a button such as the 9320/2 or 9320/4T used in combined mode to manage the general ON and OFF of several actuators at a certain distance from each other.

- To reset an actuator-button connection, press the pairing button for about 12 seconds, at which point the LED indicator will start to flash, stay on briefly, and then go off. When this sequence is complete, the actuator and button will be disconnected.
- If you change your Wi-Fi password or change your router, repeat the process above for connecting to a Wi-Fi network, including resetting the Wi-Fi settings if the LED is not flashing rapidly.

5 – Operation paired with a FEB Easy button

- When using the 9329 in combination with a FEB Easy button, you can adjust the intensity of the dimmed light by long pressing the button. By holding down the button, the brightness will increase from 0 to 100% and then decrease inversely. Release the button when the light has the desired intensity.
- If you hold down the button, the dimmer will cycle through up to 2 full 0-100% brightness cycles and then stop at the maximum intensity value.
- If you long press the button, release it for less than a second, and long press it again, the direction of the 0-100% brightness cycle will reverse.

6 – Technical features

Operating voltage: 100-240 VAC 50/60 Hz
Output channels: two at 0-10V
Wireless network: IEEE 802.11 b/g/n 2.4G Wi-Fi network & RF 433MHz
Operating distance: Indoor <= 25m / Outdoor <= 60 m
Operating temperature: -5 - 50°C
Dimensions: 52 x 52 x 23 mm

7 – Troubleshooting

- The device does not connect to Wi-Fi:
  - Check the flashing of the LED, as indicated in the Startup section;
  - Verify that your router is set to use 2.4GHz Wi-Fi;
  - Check that your phone is connected to 2.4GHz Wi-Fi;
  - Keep phone, router and the module close to each other during connection.

- The device sometimes appears offline in the app:
  - It could be due to the router: routers models allow simultaneous connection only of so many Wi-Fi devices. Check that your router has not reached the maximum number of connected devices at the same time.