



KRC1204

0-10V Dimmer Product Specification

1 Product Introduction

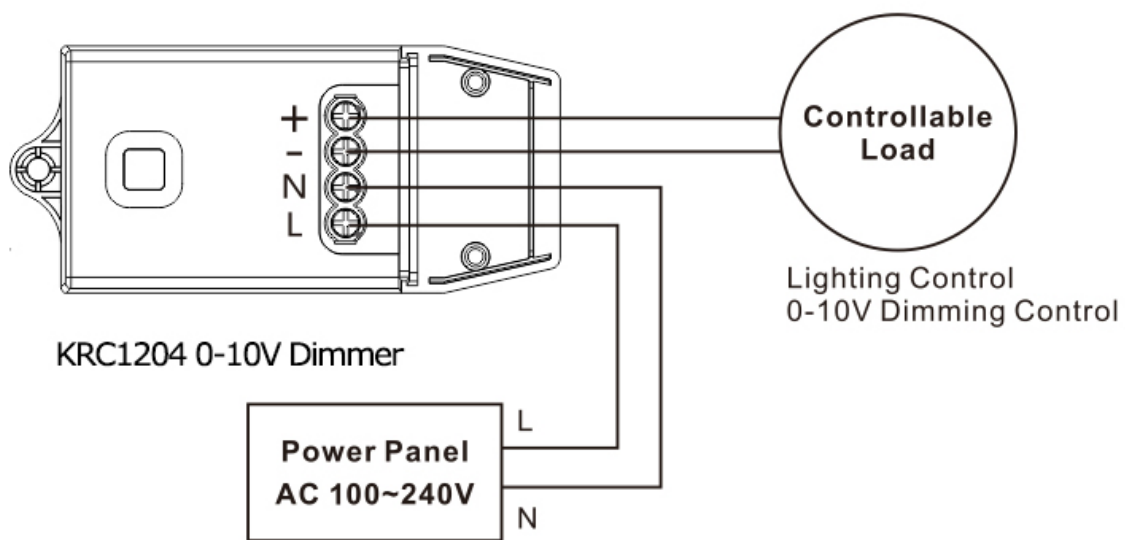
KRC1204 is a Wireless Dimmer supporting 0-10V dimming, which can be controlled by Videosec wireless kinetic transmitters.

2 Technical Parameters

Project	Parameters
Product Model	KRC1204
Power Supply	AC 100-240V 50/60Hz
Output Channel	1 Channel
Output Signal	0-10V
Operating Current	20mA
Frequency	RF 433MHz
Dimming Range	0-100%
Operating Range	80m (Outdoors), 25m (Indoors)
Standby Power	< 0.5W
Storage Capacity	Up to 10 wireless kinetic transmitters info
Wiring Method	Terminals

Installation Method	Paste / Screw locking
Dimensions	L89*W44*H31mm
RF Receive Sensitivity	-110dBm
Operating Temperature	-20°C ~ +55°C
IP Rating	IP20
Certifications and standards	EN60669-1:2018 EN IEC55015:2019

3 Wiring Diagram



4 Product Features

4.1 Pairing Method

4.1.1 Ordinary Pairing

4.1.1.1 Physical Button Mode

Press the pairing button for 3 seconds, the indicator light will enter a slow flashing state (1 flash per second), the dimmer enters the status of "waiting for pairing". At this time, press the button of the wireless transmitter that needs to be paired once, and the indicator light is off, it means that the pairing is completed.

Note:

The dimming mode is unidirectional dimming, each time long press dimming, the brightness reaches the brightest or darkest automatically stop; each time you press the switch dimming, dimming direction is opposite to the last time.

4.1.1.2 Through Wired Switch

Within 2 minutes after the dimmer is powered on, press the wired switch corresponding to the lamp for 5 times (Within 2 seconds) , and the load lamp will start flashing, that is, the dimmer enters the pairing mode. At this time, press the wireless transmitter once, and the load lamp will stop flashing, which means that the pairing is completed. After dimmer is powered on more than 2 minutes, the pairing mode cannot be triggered by the wired switch.

4.1.2 Directional Pairing

In order to meet the user's habit of using traditional switches, and to ensure the synchronization of the states of multiple wireless dimmers in one-control-multiple mode, the directional pairing is defined. This pairing method only supports 2, 4, 6 keys rebound switches. The pairing methods are as follows:

4.1.2.1 Physical Button Mode

Press the pairing button for 3 seconds, the indicator light will enter a slow flashing state (1 flash per second), the dimmer enters the status of "waiting for pairing". At this time, press the button of the wireless transmitter that needs to be paired 4 times within 1 second, and the indicator light is off, it means that the pairing is completed.

Note:

After the pairing is successful, the left and right buttons of the rebound switch are a group, short press the left button is to close, and short press the right button is to open.

Long press the left button to brighten, and it will stop automatically when it is the brightest; long press the right button to darken, and it will stop automatically when it is the darkest.

4.1.2.2 Through Wired Switch

Within 2 minutes after the dimmer is powered on, press the wired switch corresponding to the lamp for 5 times (Within 2 seconds) , and the load lamp will start flashing, that is, the dimmer enters the pairing mode. At this time, press the wireless transmitter 4 times within 1 second, and the load lamp will stop flashing, which means that the pairing is completed. After dimmer is powered on more than 2 minutes, the pairing mode cannot be triggered by the wired switch.

4.2 Clear Pairing

Press the pairing button of dimmer for 12 seconds, the light will flash-still-off, and then release the button, all information for the wireless kinetic transmitters that paired with this dimmer will be cleared.

4.3 Wireless Kinetic Switch Compatibility

Support kinetic RF transmitters type: KS2, KM1-350series, LE1454-RF, K1-100, KN series and KRC2208-DC.

4.4 Bridge Mode

Press pairing button on the dimmer for 7 seconds, the indicator light changes from flashing slowly to flashing quickly (2 flash per second). When flashing quickly, release the button and the dimmer enters bridge mode. To disable the bridge mode, repeat the preceding steps.

4.5 Wired Switch Control

The dimmer supports automatic detection of wired switch type (rocker switch or push button). After the dimmer is powered on, press the wired switch once to set the current wired switch type (for example, if the rocker switch is pressed after the dimmer is powered on, set the wired switch type to rocker switch). To reset the wired switch type, power off the dimmer and then power on it. Repeat the preceding steps.

Note:

The rocker switch does not support dimming.

5 Dimensions

