

Candeo Kinetic RF switches and receivers



These instructions are for the following Candeo kinetic RF switches (the transmitters):



C-RF-SSGR1-1CH
retractive grid switch
(1-RF-channel)

C-RF-SSGR1-2CH
centre-off-retractive
grid switch
2-RF-channels



C-RF-SSP1-1G
1-gang paddle switch

C-RF-SSP1-2G
2-gang paddle switch



C-RF-SSP1-1CH
1-channel remote fob

C-RF-SSP1-2CH
2-channel remote fob

And for the following Candeo RF switch modules (the receivers):



C-RF-SM1
RF Receiver
Switch Module



C-RFZB-SM1
RF Receiver Switch
Module with Zigbee

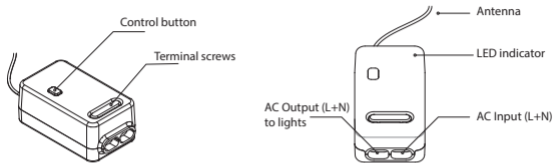
Switch specifications

- The Candeo kinetic RF switches convert mechanical energy into electrical energy, allowing them to send RF signals to the designated receivers.
- Power Mode: Battery free, wire free; Self powering Energy Generation
- Operating Frequency: 433 MHz
- Control Distance: 20m - 100m

Receiver specifications

- Each Candeo RF receiver can be paired to one or more of the Candeo kinetic RF switches (up to 10), and can switch a power source on and off.
- Power Source: 110-240V AC, 50/60Hz
- Load Power: 300W maximum for LED. (800W maximum for resistive loads)

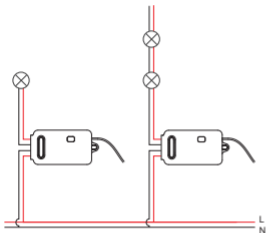
Wiring the receiver



1. Turn off the power.

- i. To avoid electrical shock and/or equipment damage, disconnect electrical power at the main fuse or circuit breaker before installation and maintenance
- ii. Be aware that even if the circuit breaker is off, some voltage may remain in the wires — before proceeding with the installation, be sure no voltage is present in the wiring.
- iii. Take extra precautions to avoid accidentally turning the device on during installation.

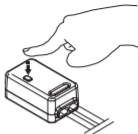
2. Wire the receiver module according to the diagram shown below, taking care to ensure that you follow the labels as marked on the device. (Live and Neutral.)



3. Ensure that your receiver module is safely housed and insulated.

Pairing the switch to the receiver

1. Press and hold the Control Button on the receiver for 3-5 seconds.
2. Press the wireless kinetic switch that you wish to pair with the receiver.



Note: Each receiver can be paired with up to 10 kinetic switches from across the Candeo range, including grid switches, paddle switches, and fobs.

Repeat the process above, for each new switch you wish to pair with the receiver.

Clearing the link between the receiver and the switches

1. Press and hold the Control Button on the receiver for 6-8 seconds to clear any previous link to any Candeo kinetic switches..

Smart Home integration

Note: The following section is applicable to receiver C-RFZB-SM1 only, which also supports zigbee.

The Candeo C-RFZB-SM1 receiver can also be paired with your zigbee hub, to integrate further into your smart home ecosystem.

Note: We recommend that you use the Candeo drivers for optimal control.

You can find more information regarding how to install our drivers at our support pages here - <https://candeo.io/support>

We offer drivers for Smarthings, Hubitat, zigbee2mqtt and ZHA.



Pairing the receiver to your zigbee hub/bridge

1. Press and hold the Control Button on the receiver for 10-15 seconds to clear any previous zigbee network pairing information, and to simultaneously put the device in pairing mode.
2. Follow the instructions of your smart home system to add a new device. (For Philips Hue, select to add a Light).

Hereby, Candeo Smart Ltd declares that the radio equipment type is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.candeo.io/support

Hereby, Candeo Smart Ltd declares that the radio equipment type is in compliance with S.I.2017/1206. The full text of the UK declaration of conformity is available at the following internet address: www.candeo.io/support

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