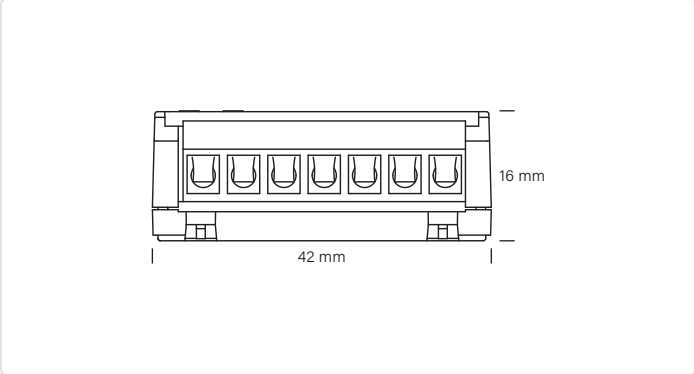
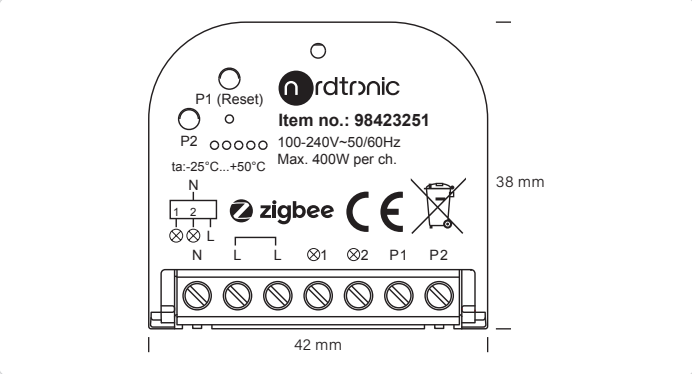


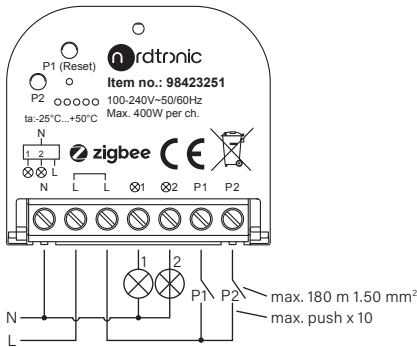
Operation voltage	Max. load current	Overcurrent protection	Standby power consumption
100-240VAC	L1/L2: Inductive load: max. 2A Capacitive load: max. 2A. Resistive load: max. 4A. L1+L2: max. 4A	max. 5A	<= 0.5W

Compatible load types			
Load symbol	Load type	Maximum load	Remarks
	LED bulbs	400W/CH @ 230V	Due to variety of LED bulbs designs, maximum number of LED bulbs is further dependent on power factor result when connected to relay.
	LED drivers	400W/CH @ 230V	Maximum permitted number of drivers is 400W divided by driver nameplate power rating.
	Incandescent lighting, HV Halogen lamps	400W/CH @ 230V	
	Low voltage halogen lighting with electronic transformers	400W/CH @ 230V	

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

Wiring Diagram

Notes for the diagrams
L terminal for live lead
N terminal for neutral lead
⊗1, ⊗2 output terminal of the relay (controlling connected light source)
P1, P2 terminal for switch





100-240 Vac

2x400W LED

2 ch relay

IP20





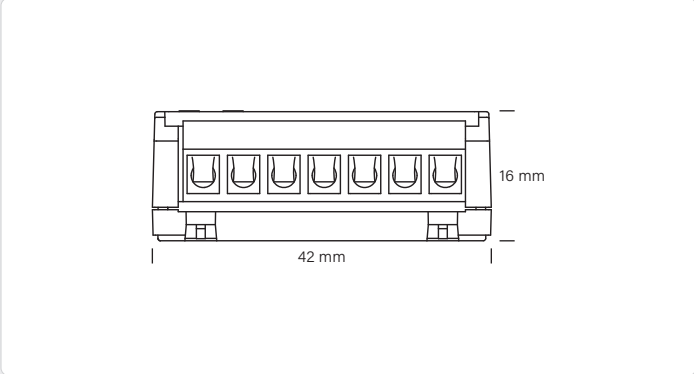
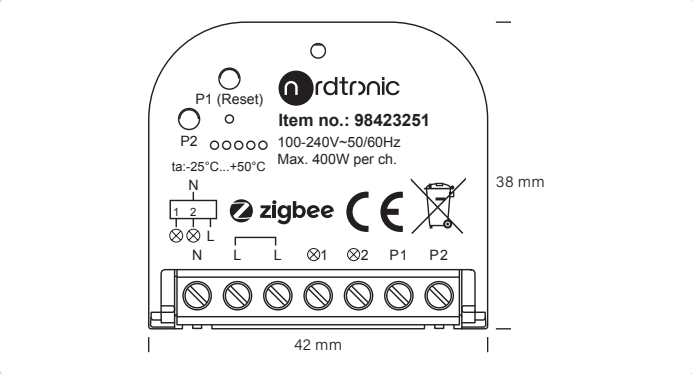
340



RoHS





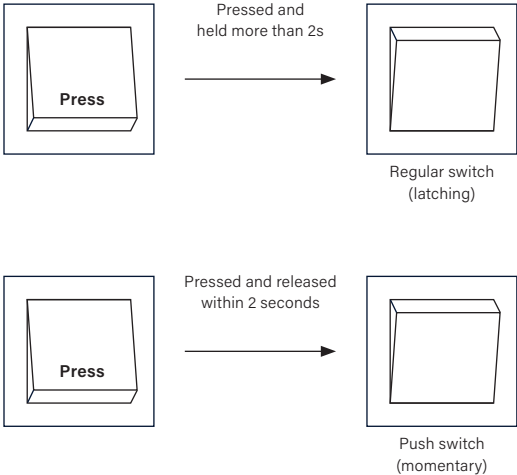


Instructions of button and LED indicator

No.	Operation	Key number	Description
1.1	Short press once	P1	L1 load switch on/off
		P2	L2 load switch on/off
1.2	Short press three times	P1	Endpoint 1 enable find and bind mode or delete learning to a GP remote, LED indicator flashes 3 times, with a cycle of 3 seconds
		P2	Endpoint 2 enable find and bind mode or delete learning to a GP remote, LED indicator flashes 4 times, with a cycle of 3 seconds
1.3	Short press four times	P1	Endpoint 1 enable touchlink mode, LED indicator flash slowly. When successfully touchlink, LED indicator will flash rapidly for 3s
		P2	Endpoint 2 enable touchlink mode, LED indicator flash slowly. When successfully touchlink, LED indicator will flash rapidly for 3s
1.4	Short press five times	P1	Factory reset and enter network paring mode, the state will last for 180s or until it had been added into a zigbee network. LED indicator flash rapidly during this time

External Switch Type Detection

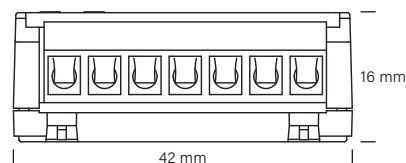
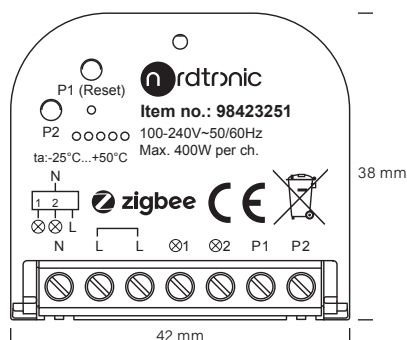
Upon power-up, the default switch type is set to push switch (momentary). The system detects the actual switch type based on the user's first operation after power-up: If the switch is pressed and held for more than 2 seconds, it is recognized as a regular switch (latching).



If the switch is pressed and released within 2 seconds, it remains identified as a push switch (momentary).

Note
For regular switch (latching), there are two types: normally open and normally closed, upon power-up, the panel must send a normally closed signal, otherwise, the recognized type of the switch maybe incorrect.





Over load protection

When under over load alarm state, the LED blinks slowly (0.5s each time). The device will cut the output until it's restarted or cancellations the alarm.

Over heat protection

When the temperature of the power board exceeds 95°C, the output will be shut down. Auto recovery after re-power on and the temperature is below 95°.

Zigbee network paring mode or factory reset

If the device had not been added into a network, the first time when power on, the device will enter network paring mode. The state will last for 180s or until it is added into a network.

1. Zigbee network pairing through Coordinator or Hub (Added to a Zigbee network)

- Step 1:** From your Zigbee Controller or hub interface, choose to add lighting device and enter Pairing mode as instructed by the controller.
- Step 2:** Short press the **Reset** button 5 times to set it into network pairing mode. Pairing mode will last until the device is added to a network.
- Step 3:** Connected light will blink 5 times and then stay solid on, then the device will appear in your controller's menu and can be controlled through controller or hub interface.

2. Zigbee factory reset manually

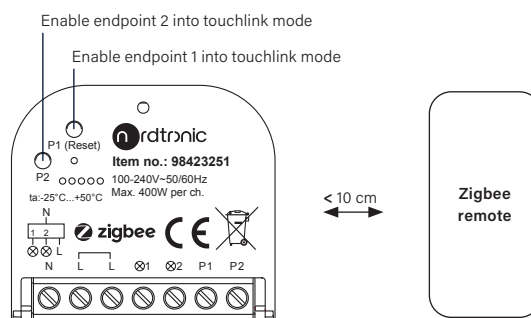
- Step 1:** Short press **Reset** key for 5 times continuously.
- Step 2:** Connected light will blink 3 times to indicate successful reset.

Note:

- 1) If the device is already at factory default setting, there is no indication when factory reset again.
- 2) All configuration parameters will be reset after the device is reset or removed from the network.

3. touchlink to a Zigbee remote

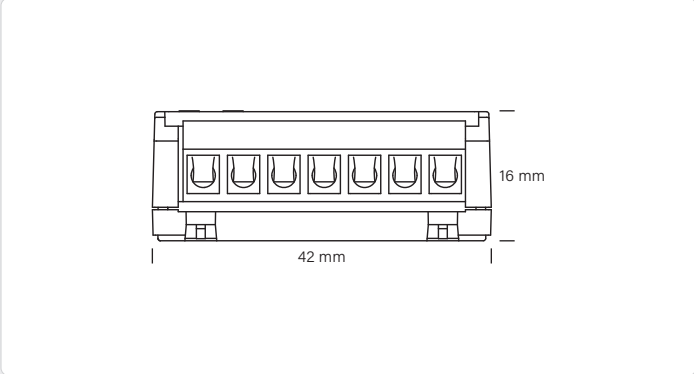
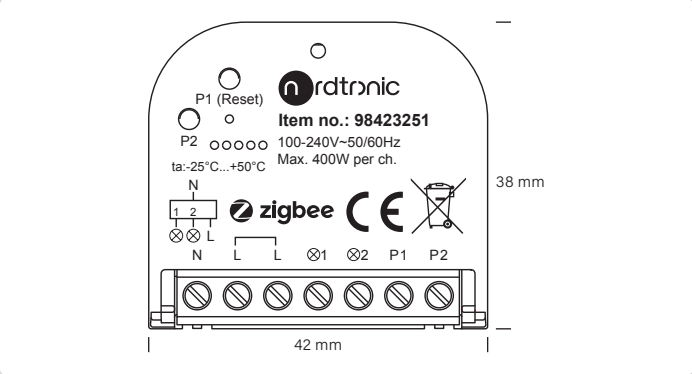
- Step 1:** Short press "P1" or "P2" button 4 times to start touchlink commissioning immediately, 180S timeout, repeat the operation.
- Step 2:** Bring the remote or touch panel within 10cm of the lighting device.
- Step 3:** Set the remote or touch panel into touchlink commissioning, please refer to corresponding remote or touch panel manual to learn how.
- Step 4:** There shall be indication on the remote for successful link and connected light will flash twice.



Note

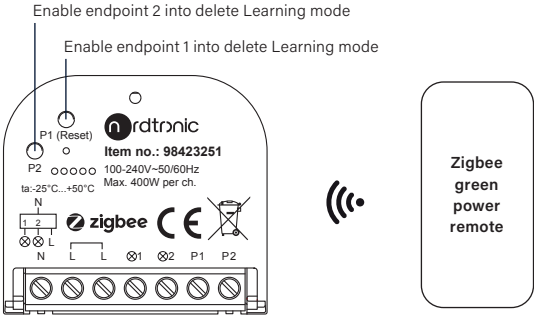
- Step 1:** Directly touchlink (both not added to a ZigBee network), each device can link with 1 remote.
- Step 2:** touchlink after both added to a ZigBee network, each device can link with max. 30 remotes.
- Step 3:** To control by both gateway and remote, add remote and device to network first then touchlink.
- Step 4:** After touchlink, the device can be controlled by the linked remotes.4.





4. Learning to a Zigbee Green Power Remote

- Step 1:** Short press “P1” or “P2” button 4 times to start Learning mode, 180 seconds timeout, repeat the operation.
- Step 2:** Set the green power remote into Learning mode, please refer to its manual.
- Step 3:** LED indicator will flash twice to indicate successful learning. Then the remote can control the device.
- Note:** Each device can learn to max. 20 zigbee green power remotes.



5. Delete Learning to a Zigbee Green Power Remote

- Step 1:** Short press “P1” or “P2” button 3 times to start delete Learning mode, 180 seconds timeout, repeat the operation.
- Step 2:** Set the paired green power remote into Learning mode, please refer to its manual.
- Step 3:** LED indicator will flash 4 times to indicate successful deleting.

6. Power metering

The intended load must be connected to the dimmer before connected to the Zigbee hub as the Box Relay Zigbee G2 will calibrate the power metering each time it is connected to a hub. If the load is changed the Box Relay Zigbee G2 must be disconnected and reconnected to the network hub to recalibrate the power metering to the new load. Both channels are measured as one.



100-240 Vac

2x400W LED

2 ch relay

IP20





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RoHS

