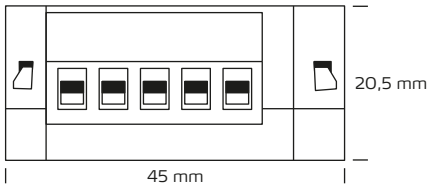
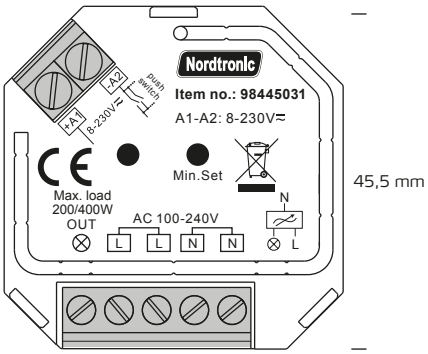
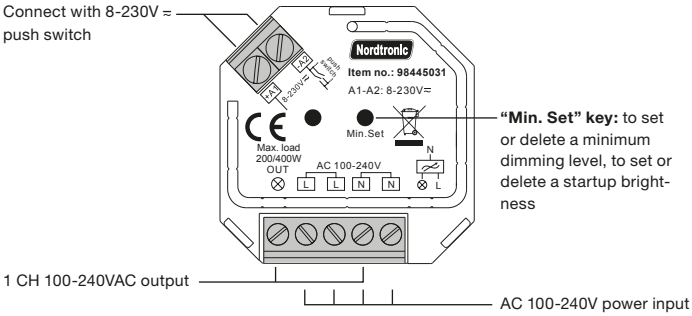
Monteringsvejledning/ Monteringsanvisning/ Montasjeanvisning/ Installation instructions/ Installationsanleitung/ Asennusohje

Box Dimmer
Triac







Input voltage	Output voltage	Output current	Max. thermal loss
100-240VAC	100-240VAC	Max. 1.8A	3.5W

Compatible load types			
Load symbol	**Load type**	**Maximum load**	**Remarks**
	Dimmable LED lamps	200W @ 220V 100W @ 110V	Due to variety of LED lamp designs, maximum number of LED lamps is further dependent on power factor result when connected to dimmer.
	Dimmable LED drivers	200W @ 220V 100W @ 110V	Maximum permitted number of drivers is 200W divided by driver nameplate power rating.
	Incandescent lighting, HV Halogen lamps	400W @ 220V 200W @ 110V	
	Low voltage halogen lighting with electronic transformers	200W @ 220V 100W @ 110V	

Operation

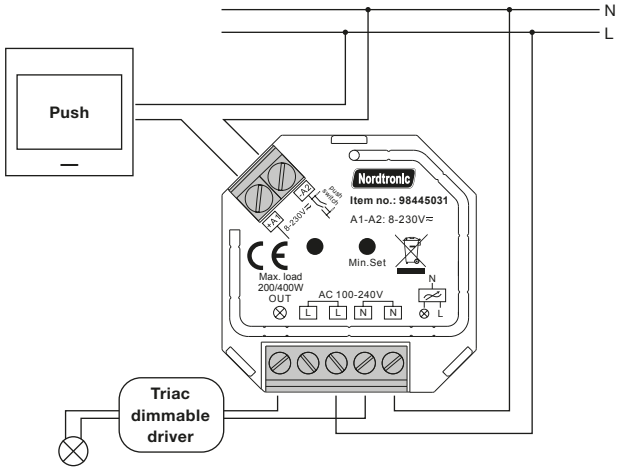
1. Do wiring according to connection diagram correctly

2. Controlled by a push switch

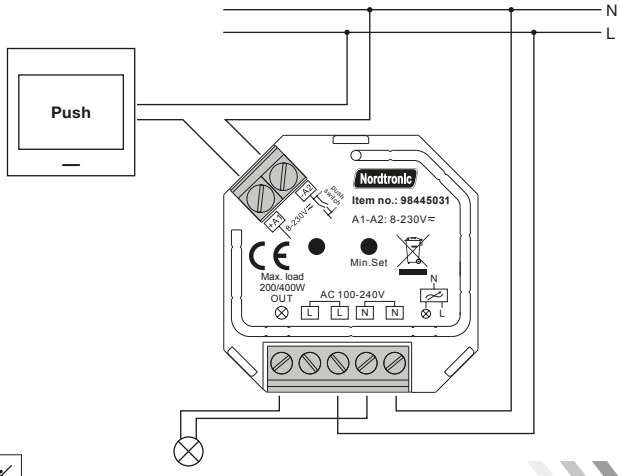
Once connected with a push switch, click the push switch to switch ON/OFF, press and hold down it to increase/decrease light intensity.

Wiring diagram

1. With Triac dimmable driver



2. With dimmable LED light



100-240 VAC | 0-200W LED | TE | IP20 | 200 | CE | RoHS

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Box Dimmer
Triac

3. Setting minimum brightness

Adjust brightness to a level, then press and hold down “Min. Set ” key on the dimmer until the light flashes, once set a minimum brightness, the light can only be dimmable between this minimum brightness and maximum brightness.

The dimming range of this dimmer is 1%-100%, but some load types may flicker when dimmed to 1%, thus a minimum brightness shall be set higher than 1% to avoid flickering during dimming process.

4. Delete the minimum brightness

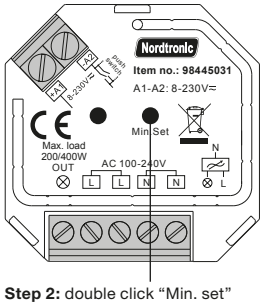
Adjust the brightness to maximum level, then press and hold “Min. Set” key on the dimmer to delete the minimum brightness, the light will flash to indicate successful reset.

Startup Brightness Setting

Set Startup Brightness

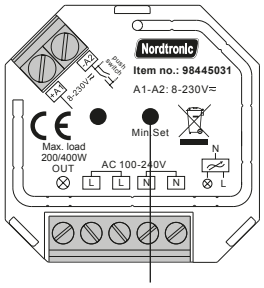
Note: startup brightness setting function is to avoid the phenomenon that some dimmable LED drivers can not be turned on after turned off at a very low brightness level. Once setting a startup brightness, if the startup brightness is higher than the brightness before turned off, the driver will first go to the startup brightness after turned on then drop down to the level before turned off. If the startup brightness is lower than the brightness before tured off, the driver will directly go to the brightness before turned off.

Step 1: adjust the brightness of connected load to a desired level between 1%-50%.



Step 2: double click “Min. set” key to set the brightness adjusted in step 1 as startup brightness, then the load will first go to startup brightness when turned on every time, then drop down to the brightness before last time turned off.

Step 1: adjust the brightness of connected load to 0%.



Step 2: double click “Min. set” key to delete the previously set startup brightness.

100-240 VAC | 0-200W LED | TE | IP20 | 200 | CE | RoHS

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