

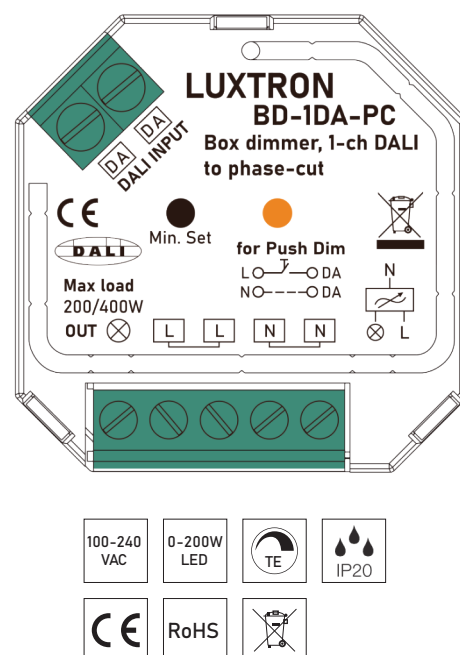
BD-1DA-PC

Box dimmer - 1-ch DALI-2 to phase-cut

LUXTRON
SYSTEMS

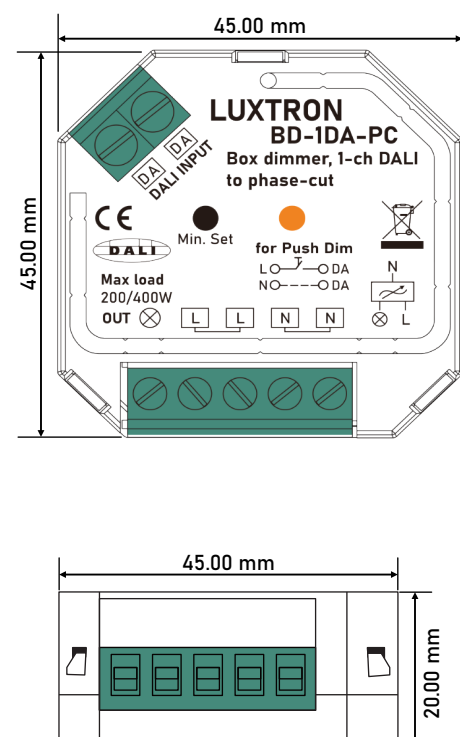
Salient features

- Max capacity up to 400 W.
LED 0-200 W
Halogen 0-400 W
- DALI-2 to AC phase-cut dimmer.
- Mini size, can be installed inside standard wall box 86.00 x 86.00 mm.
- Trailing-edge (TE) phase-cut only. Supports resistive and capacitive loads.
- Possible to use switch-dimming via a input push switch.
- Equipped with minimum brightness setting function.
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2.

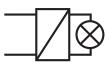


Technical Data

Voltage	100-240V AC
Output Current	Max. 1.80A
Dimming type	Trailing edge (TE)
Dimming curve	MOSFET dimming, smooth dimming up to 1%
Dimensions	45.00 x 45.00 x 20.00 mm
DALI address	1 DALI address to control 1-ch (DT6)
DALI bus current consumption	Max. 2.00 mA
IP rating	Indoor, IP20



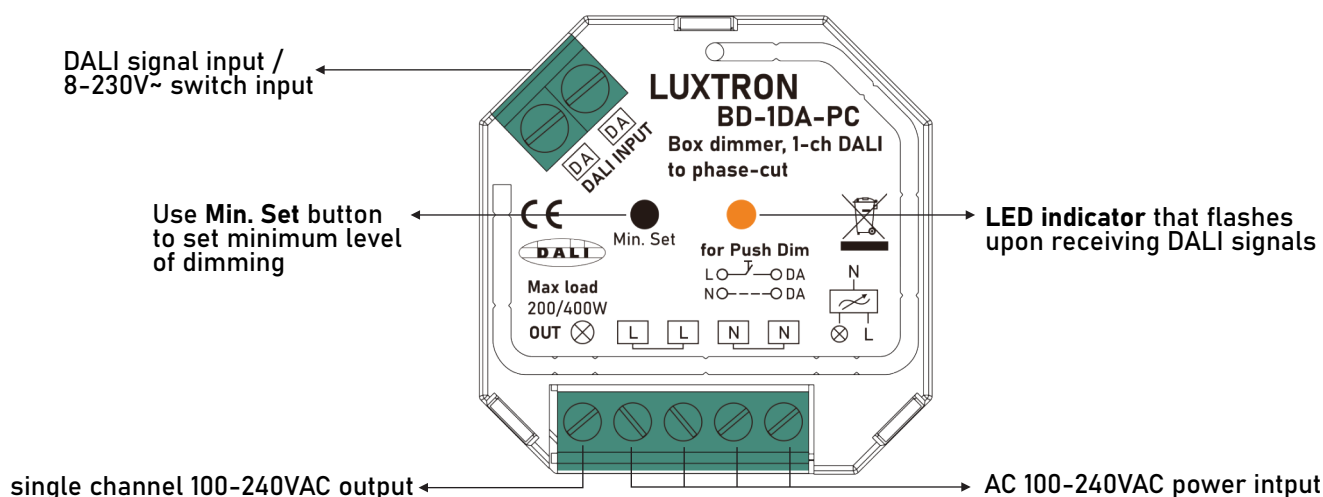
Technical Data

Symbol	Load type	Maximum load
	Dimmable LED lamps	200W @ 230V 100W @ 120V
	Dimmable LED drivers	200W @ 230V 100W @ 120V
	Incandescent lighting, HV Halogen lamps	400W @ 230V 200W @ 120V
	Low voltage halogen lighting with elec- tronic transformers	200W @ 230V 100W @ 120V

Instructions

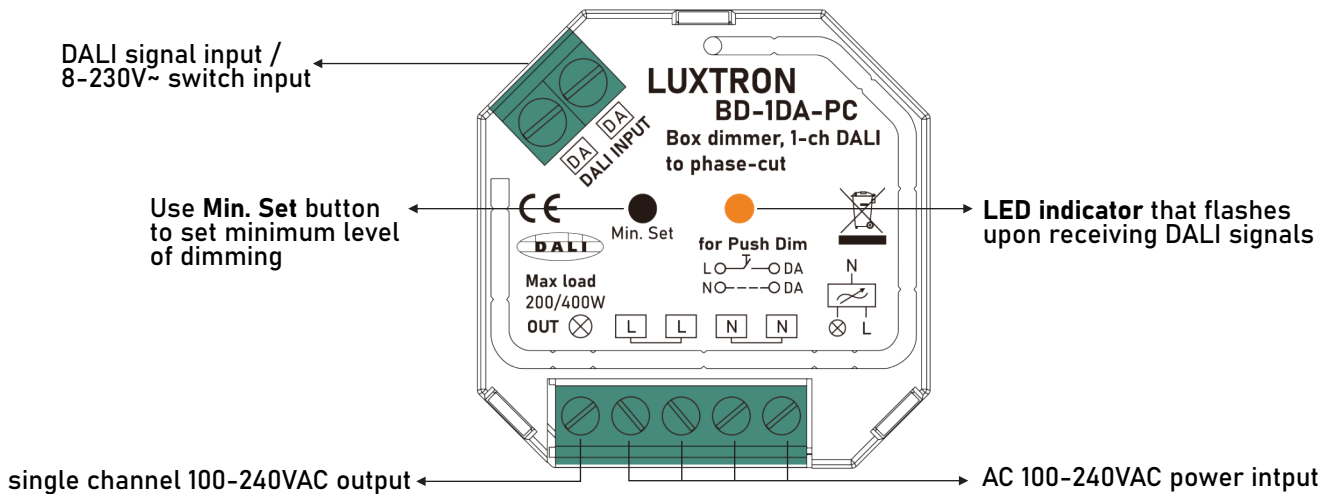
1. The dimmer adopts trailing edge dimming (reverse phase control), the connected load must support reverse phase control to operate properly.
2. The maximum allowed cable length from dimmer to connected drivers shall not be longer than 80 meters.
3. The maximum allowed cable length from push switches to dimmer shall not be longer than 80 meters.
4. Maximum number of parallel connected drivers shall not exceed 10 as the dimmer might get damaged due to high inrush current when powering on.

Functions



BD-1DA-PC

Box dimmer - 1-ch DALI-2 to phase-cut



Operation

Setting DALI address

1 DALI address for 1 channel output shall be assigned by the DALI Master automatically.

Setting minimum brightness

Set the lights to the desired minimum level and hold down the "Min. Set" button on the dimmer until the light flashes. Once the minimum level of the light has been set, the light can only alter its brightness between the newly set minimum level and the maximum.

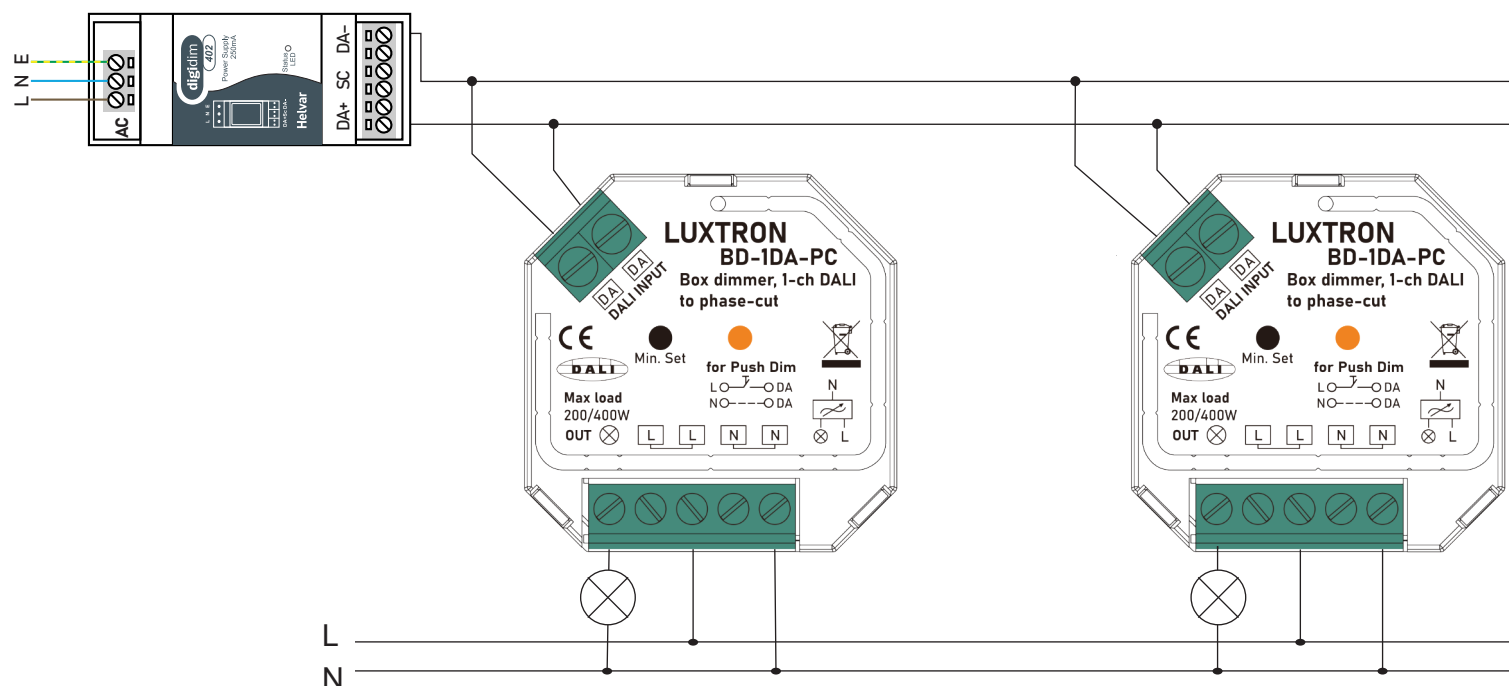
Delete minimum brightness

Set the lights to the maximum level and press the "Min. Set" button on the dimmer to delete the set minimum level. The lights shall flash to confirm that the minimum level has been reset.

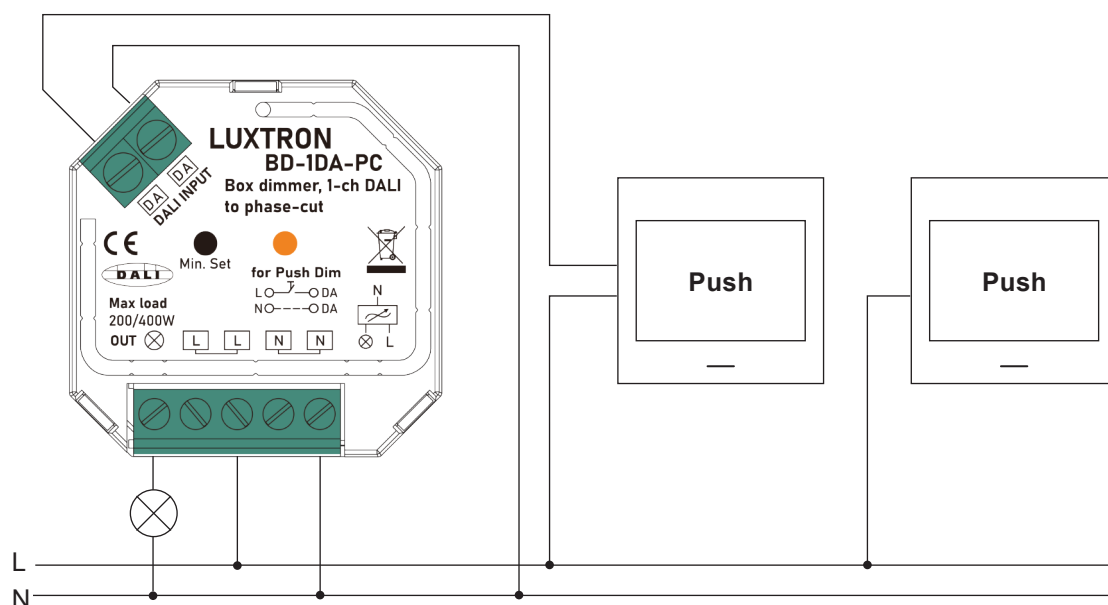
Switch Dim

Pressing the push switch once, switches the lights ON/OFF. Upon holding down the push switch, the intensity increases / decreases.

Wiring with DALI control system



Wiring for switch control using AC push switch



BD-1DA-PC

wiring instructions

With push LV

