Smart Node
Discover the Joy of Smart Living

4 Channels
Phase Cut Dimming

4 CHANNELS PHASE CUT DIMMING

SAFETY INSTRUCTIONS

To keep everyone safe while installing electrical equipment, it's really important to hire a qualified electrician. They should follow all the rules and safety guidelines of the country when doing the installation. If they don't follow these instructions, it could cause problems like the equipment not working properly, or even fires and other dangerous situations. So, it's best to be careful and follow the right procedures.

Do not connect lights with an integrated dimmer.

The permissible maximum load of the peer device must not be exceeded.

These instructions are an integral component of the product.
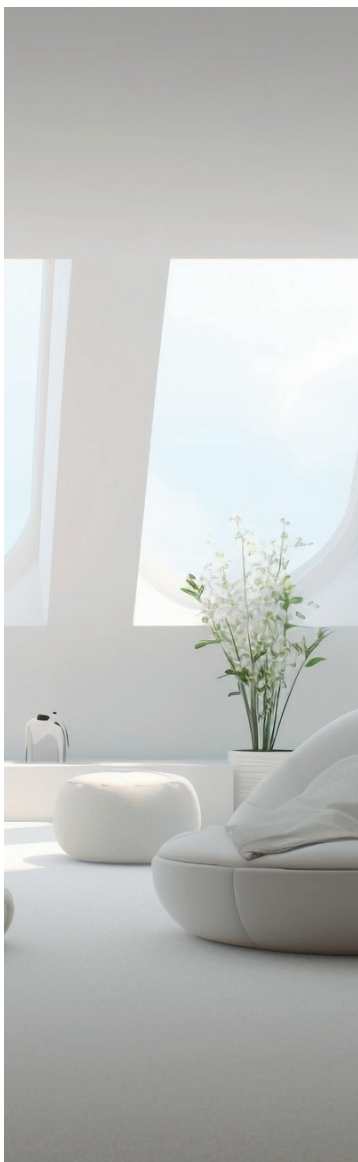
FEATURES

- Smart controller for lights
  - Adjusts brightness using phase cut technology
  - Turn On/Off using relay control
- Controls four sets of lights
  - Compatible with phase cut dimmable ballasts
- Scene control feature
  - Set up eight lighting scenes with specific brightness levels

- Status tracking and communication
  - Sends light's status through KNX network
  - LED indicators for status and dimming functioning
- Option to activate auto-off
- Response when setting lock / unlock
- Response when downloading or bus power-up
- State and brightness feedback possible
- Coordinate with AC
- Set brightness object
- Enable or disable lock features

Note

Loads that can be used with the dimmer can be: incandescent lamps, mains voltage halogen lamps, mains voltage dimmable LED lamps, mains voltage dimmable LED strips, switching power supplies for dimmable LEDs in phase cut. The dimmer cuts phase in leading edge mode.
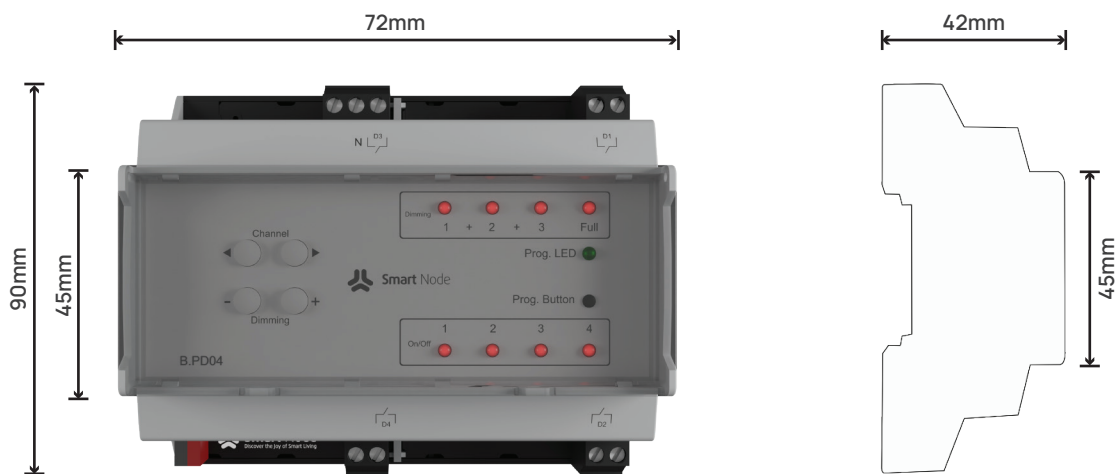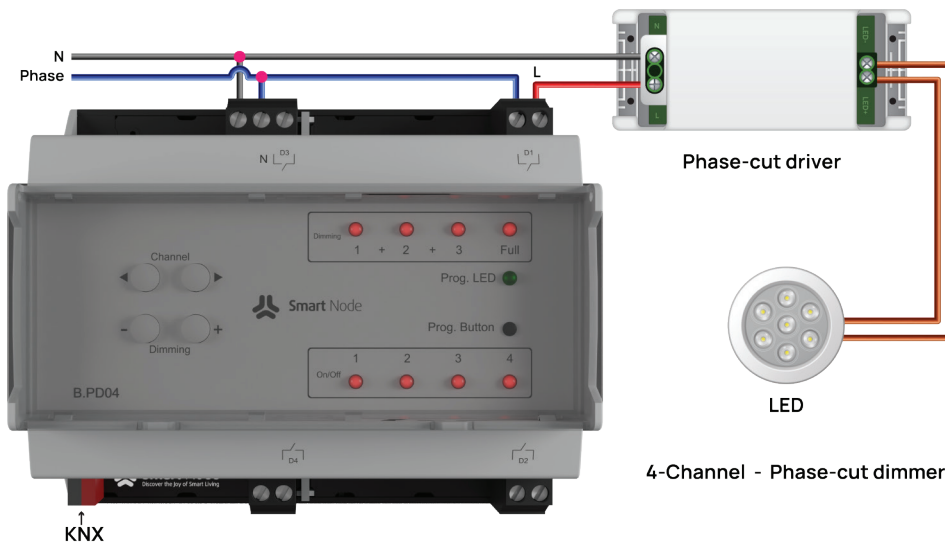
TECHNICAL SPECIFICATIONS

KNX bus voltage	21-31V DC, provided by KNX bus
No. of inputs/outputs	4
Installation type	DIN-rail
Type of connection	KNX bus terminal
Operation temperature range	0°C...+ 45°C
Storage temperature range	- 20°C...+ 70°C
Color	White
Max. output current	1A per channel
Maximum Load per Channel	300W
Total Maximum Load	900W

CONTROL ELEMENTS

	1 button for programming ETS
	2 buttons for manual control of each output
	2 buttons for setting the brightness value
Display	4 LED for output status
	4 LED for dimming status
	1 Yellow LED for ETS programming

WIRING DIAGRAM & DIMENSIONS

N
Phase

Phase-cut driver

LED

4-Channel - Phase-cut dimmer

Channel

Dimming

Prog. LED

Prog. Button

On/Off   1   2   3   4

Dimming 1 + 2 + 3 Full

Smart Node

B.PD04

KNX

72mm

42mm

90mm

45mm

45mm

Channel

Dimming

Prog. LED

Prog. Button

Smart Node

B.PD04

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