Dimmer 1–10 V

CTR-01



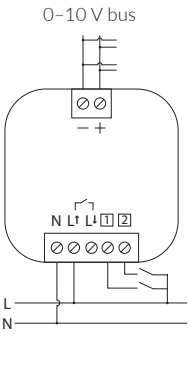
Dimmer 1–10 V is used for relay breaking or for controlling third-party products with inputs for 0–10 V or 1–10 V, such as LED drivers and HF ballasts. CTR-01 can also be used as a relay/actuator for loads up to 16 A and has zero crossing switching/breaker protection.

CTR-01 has two separate inputs for control using a push button, light switch, or motion sensor. The product can be controlled wirelessly via the app or through other products from Plejd. It can also be controlled automatically with built-in time functions such as timer and astro/time schedule.

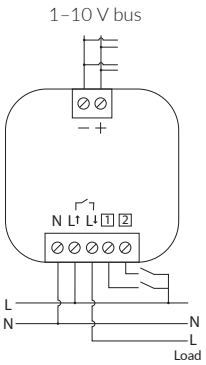
Technical data	
Mains electricity	230 V~ 50 Hz
Standby power	<0.5 W
External operating temperature	-20 to +35 °C
Dimensions	46x46x18 mm
Type of switching	Relay Micro gap (μ)
Protection	Overtemperature software Zero crossing switching (breaker protection)
Cable area	Connections: 0.5–4.0 mm²
Radio	
2.4 GHz mesh Bluetooth® <10 dBm	Radio range: Approx. 10 m indoors. The Plejd mesh technology extends the range by allowing the units to communicate with each other.

Install the product in the appliance box behind the push button/box lid or secure it with a Mounting Clip (MNT-01, not included) on the wall or DIN rail.

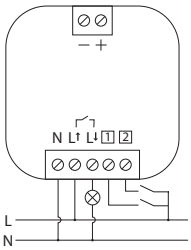
Load	PF	Rated output	VA	A
Halogen/incandescent (230 V)	1	3,500 W	3,500	16
LED loads	0.9	800 W	1,000	4
Fluorescent lamp uncompensated	0.3	700 W	2,300	10
Fluorescent lamp compensated	0.85	1,500 W	1,750	8
Low-voltage halogen electronic	0.8	1,500 W	1,750	8
Low-voltage halogen conventional	0.95	1,200 W	1,200	5
Low-energy lamps	0.6	500 W	800	4



Coupling for 0–10 V bus (without switching off load to power supply)



Coupling for 1–10 V bus (with switching off load to power supply)



Coupling for non-dimmable load (only switching off load to power supply)