illuburg®

Datasheet & Operating instructions
Model: **TR-PFW**

TRIAC dimmer WiFi RF Push, 1 output
200 W, IP20, flush-mounted installation

2.4G | WiFi | tuya | alexa | Google Assistant | SMART LIFE

CE

05-01-2026

Electrical data

Input voltage	100...240 Vac
Input current	1.5 A
Inrush current *	130 A max.
	* The sum of the inrush current of all connected devices (lights, power supplies) should not exceed this value!
Output voltage	100...240 Vac
Output current	1.5 A
Output power	200 W max. LED
	400 W max. halogen
Input signal	WiFi, RF 2.4 GHz, PUSH (pri.)
Output signal	TRIAC (leading & trailing edge)
Control distance	30 m (barrier-free)
Dimming range	0...100 %
Dimming level	256
Life time	5 years

Operating condition

Operating temperature range (ta)	-20...+55 °C
Max. surface temperature (tc)	85 °C
Type of protection	IP20

Protection

Overload protection	Yes
Overheating protection	Yes
Open circuit protection	Yes

Standards

Standards	EN 55015, EN 61547
	EN 301489-1, EN 301489-3
	EN 301489-17, EN 60669-1
	EN 60669-2
Radio Equipment	EN 300 440, EN 300 328
Marking	CE

Wiring connection

Type of connection	Screw terminal
Cable cross-section	0.5...2.0 mm²
Cable preparation length	4...5 mm

Dimension
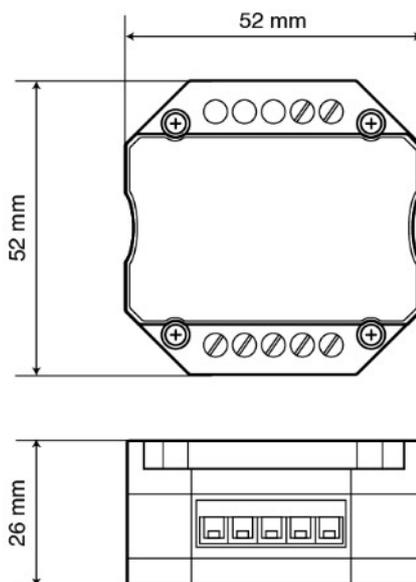
Installation
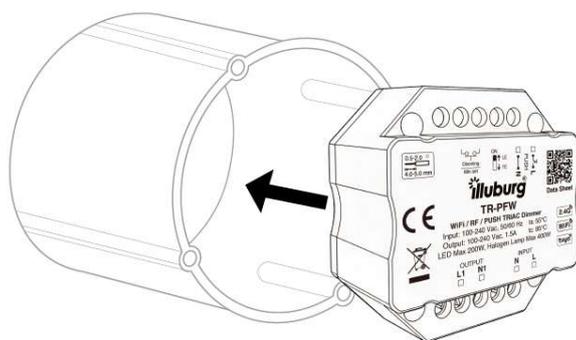
Ø ≥ 60 mm

Connection

Dimming System

— Wired connection

----- Wireless connection

230Vac — PUSH Button

15 m — Mobile Phone

15 m — WiFi Router

230Vac — Dimmable LED light

15 m — Amazon ECHO

30 m — RF Remotel (Model: RC2-W,RC2-B)

Triac Dimmable LED Driver

230Vac

LED light

PUSH Dimming

L

N 220-240 Vac~

PUSH Button

230V Dimmable LED Light
/ Triac dimmable LED Diver

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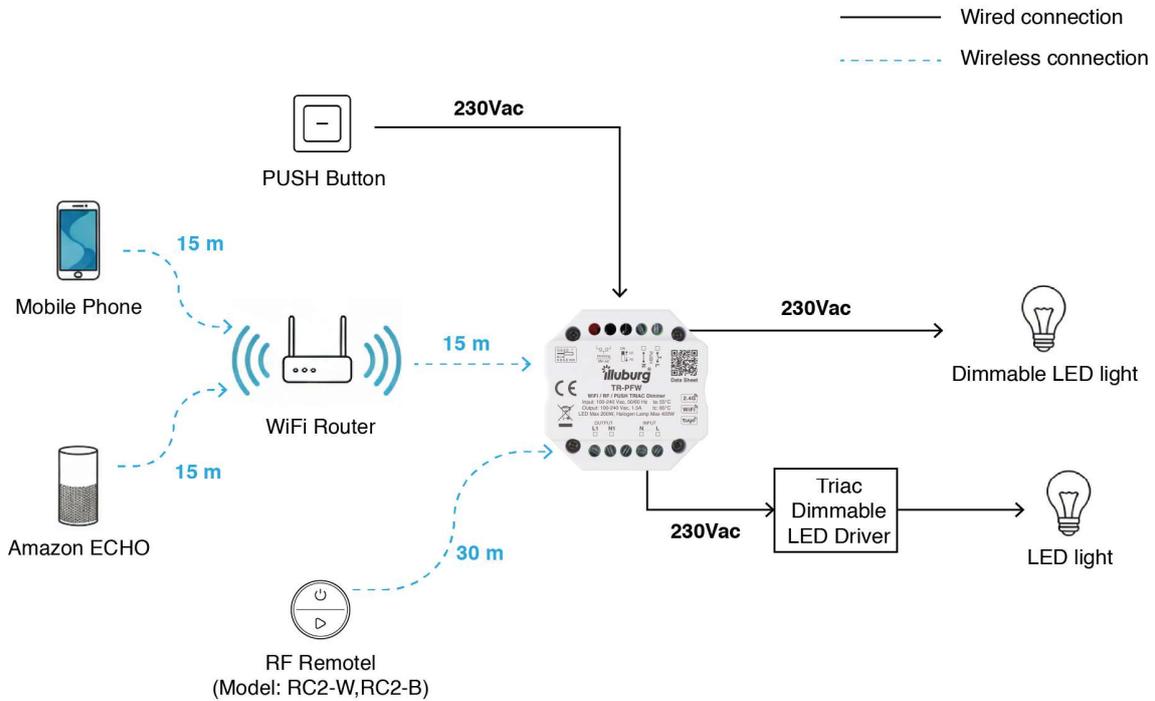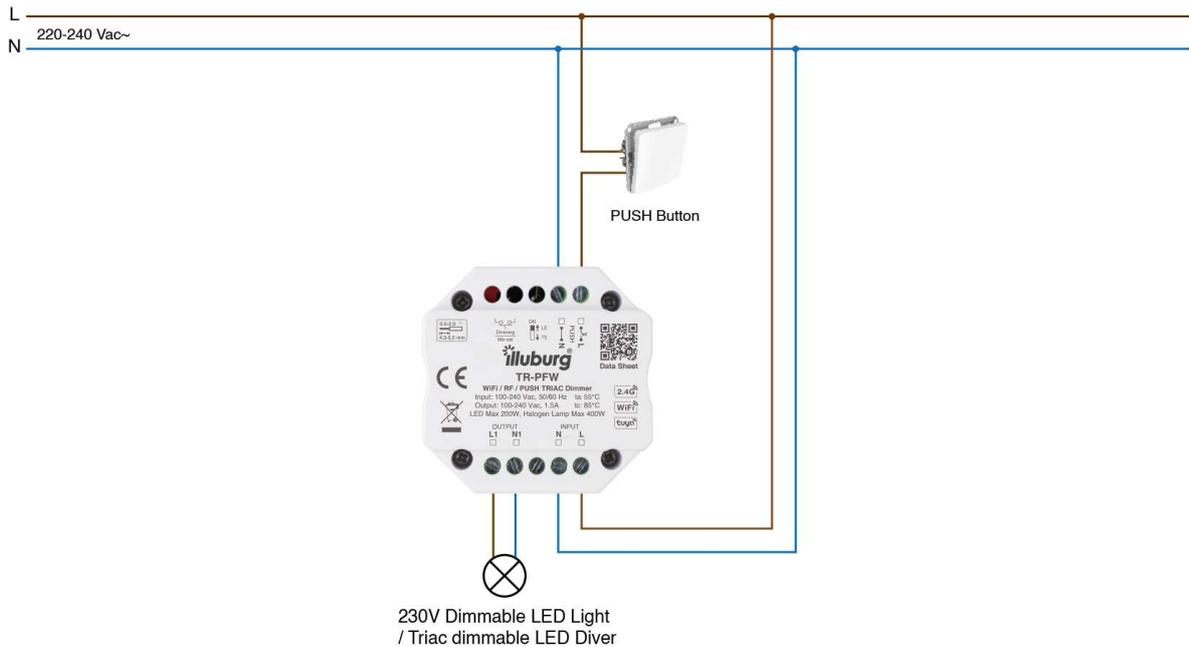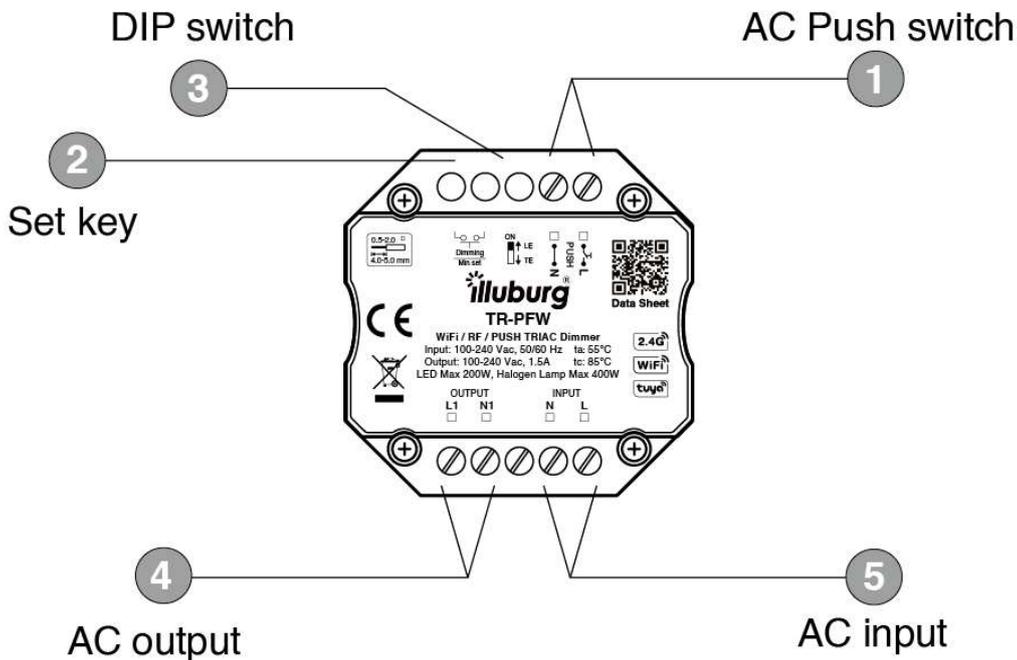
Settings

②	**Set key**	- Wireless Connection - Match / delete remote control - Set the minimum brightness - Reset to default settings
③	**DIP switch**	- Set the dimming mode

Wireless Connection

Begin setup: Keep your smartphone's WiFi turned on. Press and hold the set key for 5 seconds. The indicator light flashes rapidly and the setup is ready. Please note that the device can only connect via 2.4 GHz WiFi.

App pairing: Open Tuya Smart or Smart Life App, select "Add Device", and the App will search for and the "Triac Dimmer" automatically. Once the connection is built, the indicator will stop flashing.

Bluetooth as backup: If the WiFi signal is weak, you can also control the device via Bluetooth. Please note that the initial configuration can only be applied via WiFi.

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Match/delete remote control

Match: Short press the set key, then immediately short press the on/off button on the remote control.

Delete: Press and hold the set key for 15 seconds, the indicator light blinks 5 times and all matches are then deleted.

Minimum brightness

Begin setup: Long press the set key for 10 seconds, and the indicator light blinks 2 times to indicate the setup is ready.

Adjust brightness: Short press the set key 1 - 6 times to select the minimum brightness, Wait at least 1 second between each press. The light will adjust to the selected level immediately: 1 time 5%, 2 times 10%, 3 times 15%, 4 times 20%, 5 times 25%, 6 times 30%.

Save and exit: Wait for 8 seconds to save and exit the setup. The light returns to 100% brightness automatically afterwards.

Reset to default settings

Long press the set key for 20 seconds, and all settings are reset to default values: minimum brightness 5%,

Dimming mode

Set the dimming mode to leading edge or trailing edge according to the dimmable lights and power supplies.
- DIP switch ON: the dimmer is set to trailing edge.
- DIP switch OFF: the dimmer is set to leading edge.

PUSH dimming

The dimmer allows for control using a self-reset PUSH switch with connecting wire not exceeding 20m.
- Short press: turn on / off the lights. The lights turn on with the same brightness as turned off last time (memory).
- Long press for 1 to 6 seconds: dim the lights up / down.

Important notice

Download the safety instructions at www.illuburg.de/infocenter, read them carefully and observe the listed instructions and information for proper use.

Disclaimer of liability

Subject to changes and errors excepted. Make sure you are using the latest version.

Manufacturer Information

If you have any further questions, please contact our technical support.

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