

# Datasheet & Operating instructions

## Model: TR-PF

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



2.4G



## 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	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

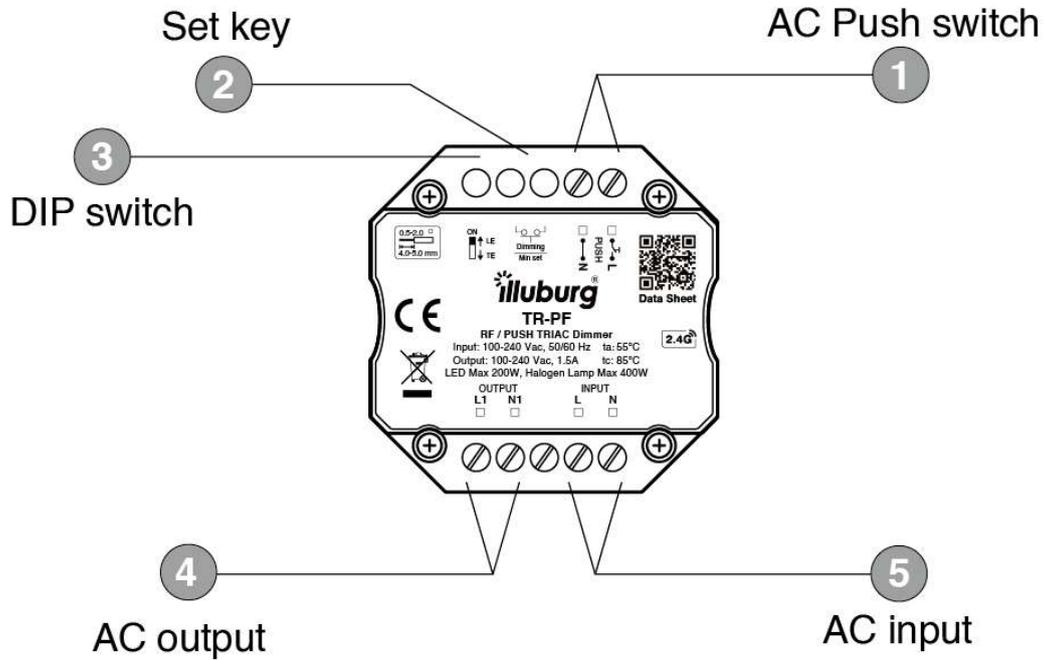
Overload protection	Yes
Overheating protection	Yes
Open circuit protection	Yes

## Standards

Standards	EN 55015, EN 61547 EN 301489-1, EN 301489-3 EN 61347-1, EN 61347-2
Radio Equipment	EN 300 440
Marking	CE



## Settings



2	<b>Set key</b>	<ul style="list-style-type: none"> <li>- Match / delete remote control</li> <li>- Set the minimum brightness</li> <li>- Set the fade time for light on/off</li> <li>- Reset to default settings</li> </ul>
3	<b>DIP switch</b>	<ul style="list-style-type: none"> <li>- Set the dimming mode</li> </ul>



## 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 5 seconds, the indicator light blinks 5 times and all matches are then deleted.

## Minimum brightness

**Begin setup:** Long press the set key for 2 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: 1 time 5%, 2 times 10%, 3 times 15%, 4 times 20%, 5 times 25%, 6 times 30%. The light will output the selected minimum brightness immediately.

**Save and exit:** Long press the set key for 2 seconds or wait for 8 seconds to save and exit the setup. The light returns to 100% brightness automatically afterwards.

## Fade time for light on/off

Long press the set key for 5 seconds, then immediately short press the set key 3 times. The indicator light blinks 3 times, and the light on/off fade time is set to 3 seconds.

## Reset to default settings

Long press the set key for 10 seconds, and all settings are reset to default values: minimum brightness 5%, light on/off fade time 0.5s.

## 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.

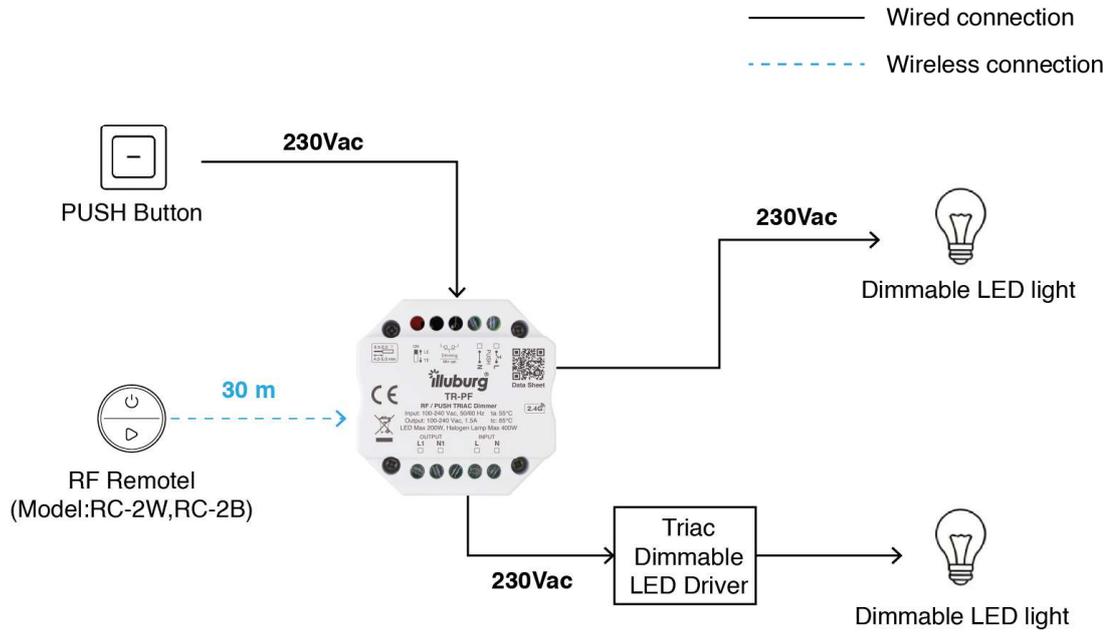
## PUSH dimming

The dimmer allows for control using a self-reset PUSH switch with connecting wire not exceeding 20m.

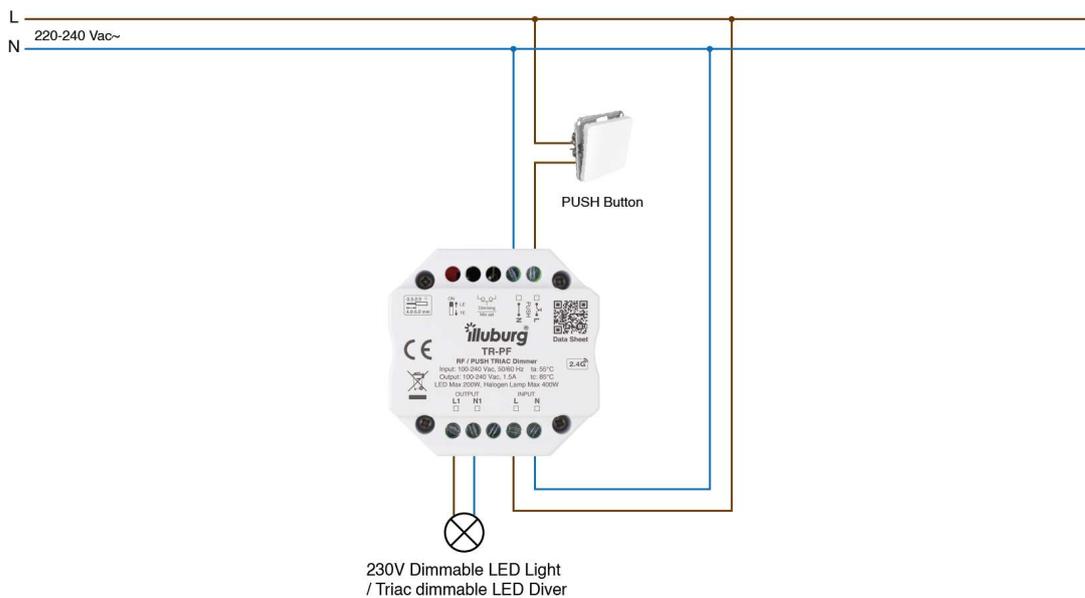
- Short press: turn on / off the lights. The lights turn on with the same brightness as turned off last time (memory).
- Long press for 1 to 6 seconds: dim the lights up / down.
- Long press for over 15 seconds: synchronize all lights and dim them up to 100 %.

## Connection

### Dimming System



### PUSH Dimming





## Important notice

Download the safety instructions at [www.illuburg.de/infocenter](http://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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