

Troubleshooting

Issue: The dimmer turns off the load and only switches it back on after a short delay.

Cause: Overtemperature protection has been triggered.

Solution: Reduce the connected load and verify proper installation conditions to allow sufficient cooling.

Issue: The dimmer briefly switches off and then turns back on.

Cause: Short-circuit protection was activated, but the fault has cleared.

Solution: No action required. The system automatically resumes operation once the fault is gone.

Issue: The dimmer switches off and cannot be turned back on.

Cause: A persistent short-circuit has triggered the safety mechanism.

Solution: Eliminate the short-circuit. Then restore operation by pressing the control knob twice.

Note:

The short-circuit protection is electronic and not based on a conventional fuse. There is no mechanical separation of the power circuit.

Technical specifications

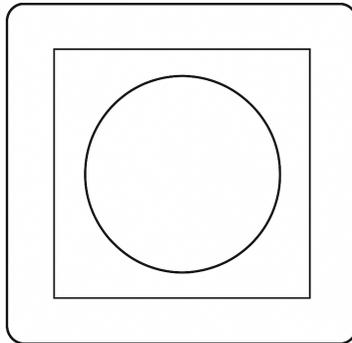
Dimming method:	Trailing edge
Input voltage:	220-240V AC 50Hz
Power:	0 - 150W
Ta:	0 - 40°C
Short circuit protection:	Yes
Over-heat protection:	Yes
Soft start:	Yes

Additions

Optional dimmer cover frames are available in two colours:

– White (item code 215-142)

– Black (item code 215-143)



Terms and symbols



The **CE mark** indicates that this product complies with EU regulations on safety, health and environmental protection;



The **WEEE symbol** stands for "Waste Electrical and Electronic Equipment Regulation," a directive on the collection, recycling and recovery of electronic waste;

TRONIX

Instruction manual LED dimmer 215-141

Safety warnings before installation:

- Installation must be carried out by a qualified electrician.
- Disconnect power supply before installation or maintenance.
- This dimmer is suitable for indoor use only (IP20).
- Only compatible with trailing edge dimmable LED loads.
- Do not connect inductive loads (e.g. magnetic transformers or coil-based devices).
- Ensure that the total load does not exceed 150W.
- Install only in standard EU wall boxes with adequate space and ventilation.
- Use only with 230V~ 50Hz AC mains supply.
- Do not install in damp or explosive environments.
- Make sure all wiring is securely connected and strain relief is applied.

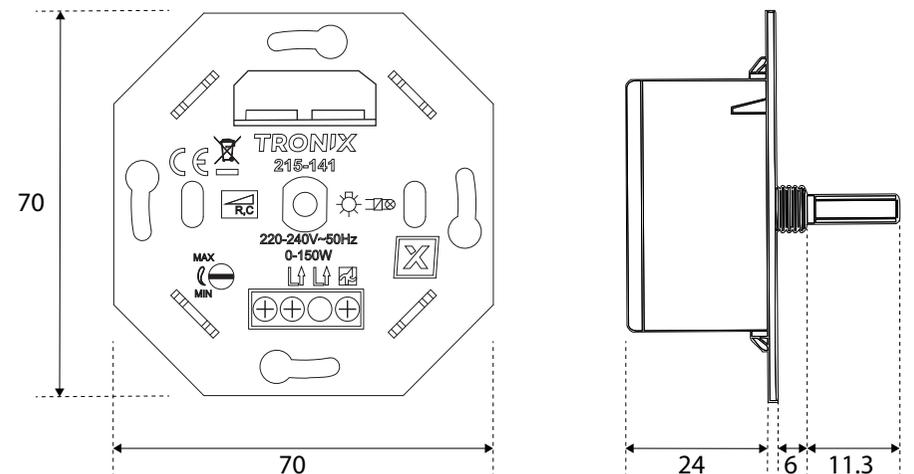
Product highlights

- Trailing-edge dimmer with soft-touch push-button operation
- Short-circuit and over-temperature protection built-in
- Compatible with most EU switch frames (e.g. Gira, Jung, Busch-Jaeger)
- Adapter included for thicker dimmer knobs
- Suitable for recessed downlights, surface fixtures, and LED retrofit lamps
- Supports two-way switching with separate push button

Note:

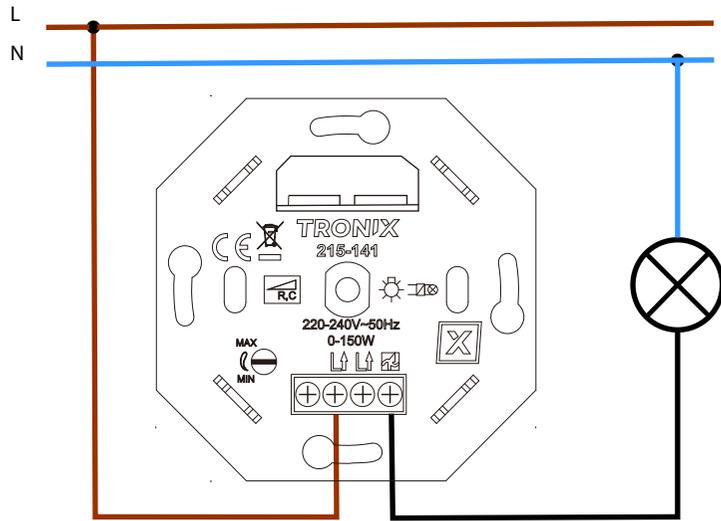
Minor flickering may occur if minimum load is not met or due to grid pulses. This is normal behaviour.

Dimensions (mm)



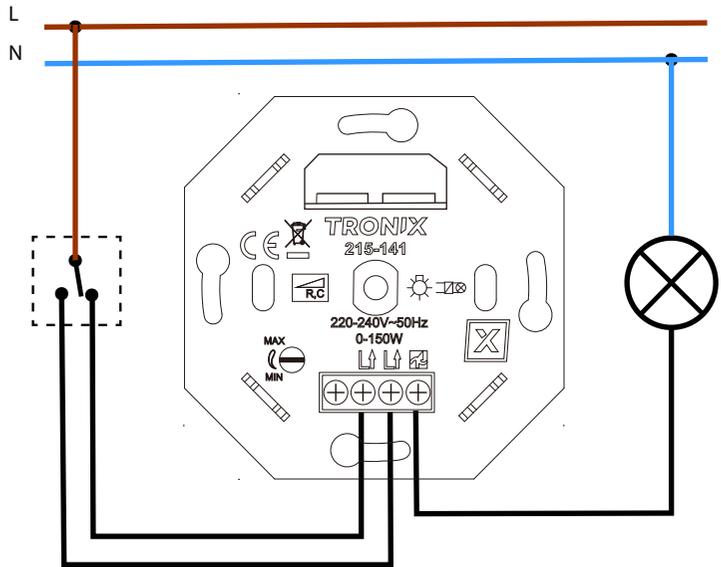
Wiring diagram:

1 way lighting switch:



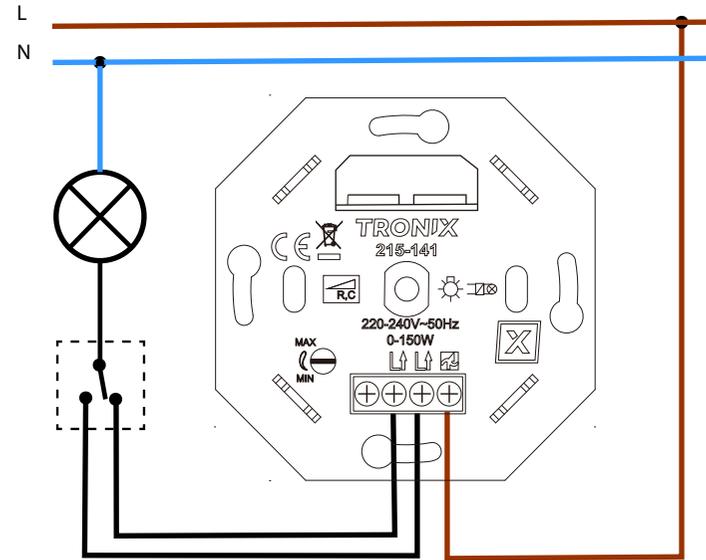
Wiring diagram:

2 way lighting switch, option 1:



Wiring diagram:

2 way lighting switch, option 2:



Operation:

- You switch the connected lamps on and off by pressing the rotary knob.
- By turning the rotary knob, you dim the lamps brighter or darker

Setting the minimum dim level

Turn on the light. Rotate the dimmer fully counterclockwise to set the light to its lowest dim level. If the light is unstable or flickering, you can adjust the minimum dim level using the adjustment screw.

