

WDE002914

Wiser



en

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2 Wiser app



en **Wiser universal push-button dimmer LED**

Necessary accessories

- To be completed with:
- Frame in corresponding design

Prerequisites and accessories

- A Bluetooth-capable **smartphone/tablet** (referred to below as **smartphone**) with Bluetooth 4.1 or higher is required. Operating systems: Android™ 5.1 or higher, Apple® iOS 10.3 or higher.
- Download the **Wiser app** to your smartphone. You can use the app to couple, set up and control Wiser devices.
- Home control via the Internet: Supplement your Wiser system with the **Wiser Home Touch** control unit.

Product information is available

More detailed product information is available on the Internet -> Download document

http://download.schneider-electric.com/files?p_Doc_Ref=WDE002914_HWad_d_EN

For your safety

DANGER
HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:

- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables
- Safety standards, local wiring rules and regulations

Failure to follow these instructions will result in death or serious injury.

DANGER
Risk of fatal injury from electric shock.

The output may carry electrical current even when the load is switched off.

- When working on the device: Always disconnect the device from the supply by means of the fuse in the incoming circuit.

Failure to observe these instructions will lead to death or serious injuries.

Getting to know the Wiser universal push-button dimmer LED

With the Wiser universal push-button dimmer LED (hereinafter referred to as **dimmer**), you can switch and dim ohmic, inductive or capacitive loads.

Control options

Room control: To actuate the dimmer within a room, it can be coupled either with your smartphone or with another Wiser device. This coupling type is a default factory setting.

Home control: You can control the Wiser devices via the Internet using Wiser Home Touch.

On-site operation: The dimmer can always be controlled directly on-site. You can also connect mechanical push-buttons.

Functions

Properties:

- Automatic load detection
- Thermal protection, overload-resistant, short-circuit-resistant
- Operation with extension unit (mechanical push-button)

Settings:

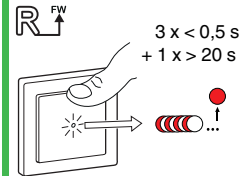
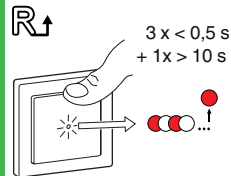
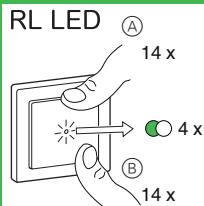
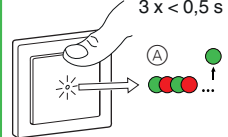
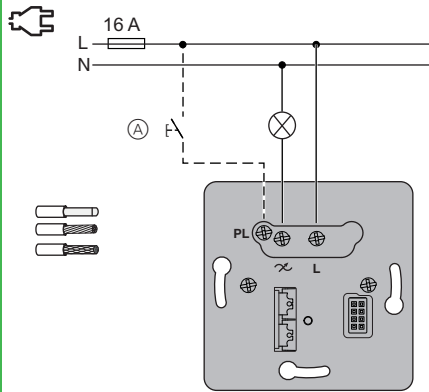
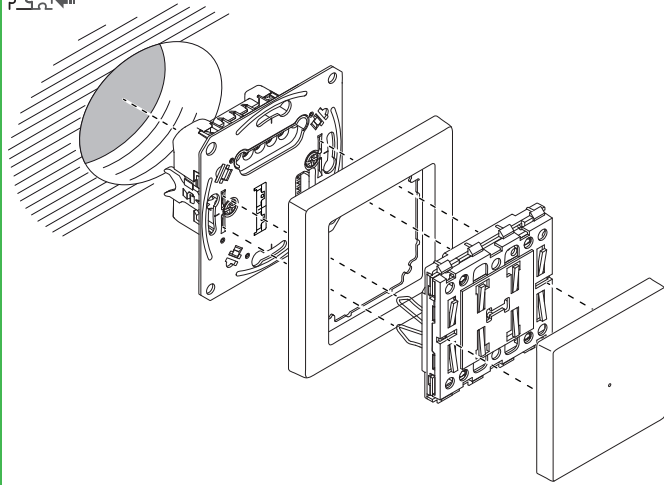
- Reset to default settings/reset firmware

Additional app settings:

- Setting the switch-on brightness or memory function (factory setting)
- Dimming range: Min./max. brightness

Additional app functions (factory setting: no functions active):

- Setting the LED operating mode manually (RL LED mode)
- Timer mode: Overtravel time (1 second - 24 hours), pre-warning (with or without), manual switching (off or retrigger)
- Time control (weekday, astro and random function)
- Status LED display (e.g. load on, orientation light)
- Coupling to other devices



Installing the dimmer



- (A) Mechanical push-button at extension unit connection (optional)



CAUTION The device may be damaged!

- Always operate the product in compliance with the specified technical data.
- Never connect any mixed inductive/capacitive loads.
- Only connect dimmable loads.
- Danger of overload! Dimming socket outlets is prohibited.

Choosing the installation location



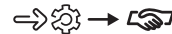
Please note: In case of reduced thermal dissipation, you will need to reduce the load.

Load reduced by	When installed
0%	In a standard flush-installation mounting box
25%	In cavity walls* Several installed in combination*
30%	In a 1-gang or 2-gang surface-mounted housing
50%	In a 3-gang surface-mounted housing

* If more than one factor applies, add the load reductions together.

Setting the dimmer

Coupling the dimmer



- (A) Status LED (red/green)

Room control:

Dimmer <-> smartphone

Select the function to add new devices in the Wiser app. Follow the instructions in the Wiser app.



- Please note:
- You can couple a maximum of 15 smartphones with the dimmer.
 - Keep both devices within Bluetooth range of one another during coupling.
 - Coupling mode is active for 30 s.

Room control:

Controlling Wiser device <-> Wiser device

First set the controlling Wiser device and then the Wiser device to be controlled into coupling mode.

Coupling mode:

Coupling takes place automatically.



You can couple a maximum of 10 Wiser devices with each other.

Multway switching is possible with coupled Wiser devices.

Home control:

Dimmer <-> smartphone

-> See product information

Changing operating mode



- (A) Setting the RL LED mode
(B) Resetting to automatic load detection

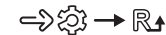
The insert automatically recognises the connected loads. In some cases, the connected LED lamps may not work correctly with the automatic load detection. In this case, you can switch the operating mode to "RL LED mode" (from trailing edge phase to leading edge phase).



In the operating mode "leading edge phase for LED lamps" (RL LED mode), LED lamps can only be connected up to a lower dimmer load.

Standard: automatic load detection

Resetting to default settings



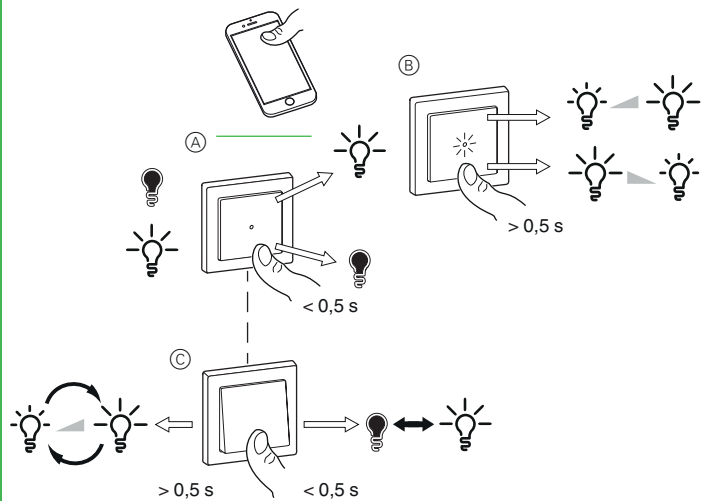
All configuration data, user data and network data are deleted.

All settings are then set to default settings (see functions).

Resetting to Bluetooth



The device is reset to the default settings and to Bluetooth.



LED 14-210 VA **RC**
15-50 VA **RL**

20-420 W **R**



20-420 W **R**



20-420 VA **C**

40-420 VA **L**

Operating the dimmer



- (A) Switch the load on and off.
- (B) Dim switched-on load.
- (C) Switch the load on and off or dim the load with the extension unit.

What should I do if there is a problem?

Fault	Solution
Dimming up not possible	Reduce/increase load Allow dimmer to cool
Switching on not possible	Allow dimmer to cool Reduce load, change load, check: Short-circuit, consumer faulty, In the case of an external push-button, check the wiring, In the case of coupled Wiser devices, re-couple
Dimming down to minimum brightness	Reduce/increase load Reduce max. brightness
Flickering at minimum brightness	Increase min. brightness
Flickering	Change load Set RL LED mode, reset to default settings
Only slight dimming capability	Change dimming range Set RL LED mode

Technical data

Nominal voltage: AC 220/230 V ~, 50/60 Hz

Nominal power:

Neutral conductor: not required

Connecting terminals: Screw terminals for max. 2 x 2.5 mm²
0.5 Nm

Extension unit: Single push-button, max. 100 m

Fuse protection: 16 A circuit breaker

Frequency band: 2.4 GHz

Transmission capacity: 2.5 mW



Dispose of the device separately from household waste at an official collection point. Professional recycling protects people and the environment against potential negative effects.

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EU Declaration of conformity

Hereby, Schneider Electric Industries, declares that this product is in compliance with the essential requirements and other relevant provisions of RADIO EQUIPMENT DIRECTIVE 2014/53/EU. Declaration of conformity can be downloaded on: schneider-electric.com/docs.

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Centre in your country.

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