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TC-12485088
WiFi Intelligent
Switch

TRU COMPONENTS TC-12485088 WiFi Intelligent Switch Instruction Manual

Contents

TRU COMPONENTS TC-12485088 WiFi Intelligent Switch

Product Usage Instructions

- Please make sure to follow these steps for the correct installation of the Intelligent WLAN Switch:
- Contact a qualified electrician for the electrical installation process.
- To connect the switch to your Wi-Fi network, follow these steps:
- Ensure the switch is powered and connected to the Wi-Fi network.
- In the mobile app, navigate to Settings > Relay Status.

FAQ

- **Q: Can the product be used outdoors?**
  - **A:** No, the product is intended for indoor use only. Avoid contact with moisture at all times.
- **Q: What should I do if the switch malfunctions?**
  - **A:** If you encounter any issues with the switch, refer to the operating instructions or contact customer support for assistance.

WiFi Intelligent Switch

- Item no: 3121271 (230 V/AC, 32 A)
- Item no: 3121272 (230 V/AC, 63 A)

Operating Instructions for download

- Use the link **www.conrad.com/downloads** (alternatively scan the QR code) to download the complete operating instructions (or new/current versions if available). Follow the instructions on the web page.

Intended use

- The product is a relay with Wi-Fi functionality and is intended to control 230 V/AC-powered consumers. Control the relay manually or via the mobile application Tuya Smart Life – Smart Living.
- The product is intended for indoor use only. Do not use it outdoors.
- Contact with moisture must be avoided under all circumstances.
- If you use the product for purposes other than those described, the product may be damaged.
- Improper use can result in short circuits, fires, electric shocks, or other hazards.
- The product complies with the statutory national and European requirements.
- For safety and approval purposes, you must not rebuild and/or modify the product.
- Read the operating instructions carefully and store them in a safe place. Make this product available to third parties only together with the operating instructions.
- All company names and product names are trademarks of their respective owners. All rights reserved.

Features

- For 230 V/AC
- EN/IEC 60715 Mounting (DIN rail)
- Manual control and mobile app control
- Set relay default status (on / off/memory) via mobile app
- Set schedules via mobile app
- Set countdown timers via mobile app
- View status logs in the mobile app

Delivery Contents

- Wi-Fi switch
- Operating instructions

Description of symbols

The following symbols are on the product/appliance or are used in the text:

- Read the operating instructions carefully.

- The symbol warns of hazards that can lead to personal injury.

Safety instructions

- Read the operating instructions carefully and especially observe the safety information.
- If you do not follow the safety instructions and information on proper handling, we assume no liability for any resulting personal injury or damage to property.
- Such cases will invalidate the warranty/guarantee.

Operating environment

- Do not place the product under any mechanical stress.
- Protect the appliance from extreme temperatures, strong jolts, flammable gases, steam, and solvents.
- Protect the product from high humidity and moisture.
- Protect the product from direct sunlight.
- Do not switch the product on after it has been taken from a cold to a warm environment.
- The condensation that forms might destroy the product.
- Allow the product to reach room temperature before you use it.

Electrical installation
WARNING! Safety hazard!
The product should only be installed by people with relevant electrical knowledge and experience! *)

If it is not installed properly, you risk:

- your own life
- the life of user of the electrical device
- severe damage to property, e.g., by fire
- personal liability for personal injury and material damage

Always consult an electrician!

- Technical knowledge required to perform the installation:
- For the installation, the following specialist knowledge is required in particular:
- The "Five safety rules": Disconnect from the mains; protect against accidental switch-on; ensure there is no voltage; earth and short-circuit; cover or protect adjacent live parts
- Use of suitable tools, measuring devices, and personal protective equipment, where necessary
- Analysis of measurement results
- Use of electrical installation materials to meet the requirements for disconnection
- IP protection ratings
- Installation of electrical installation materials
- Type of power supply (TN system, IT system, TT system) and the corresponding connection criteria (classic earthing, protective earthing, necessary additional measures, etc.)

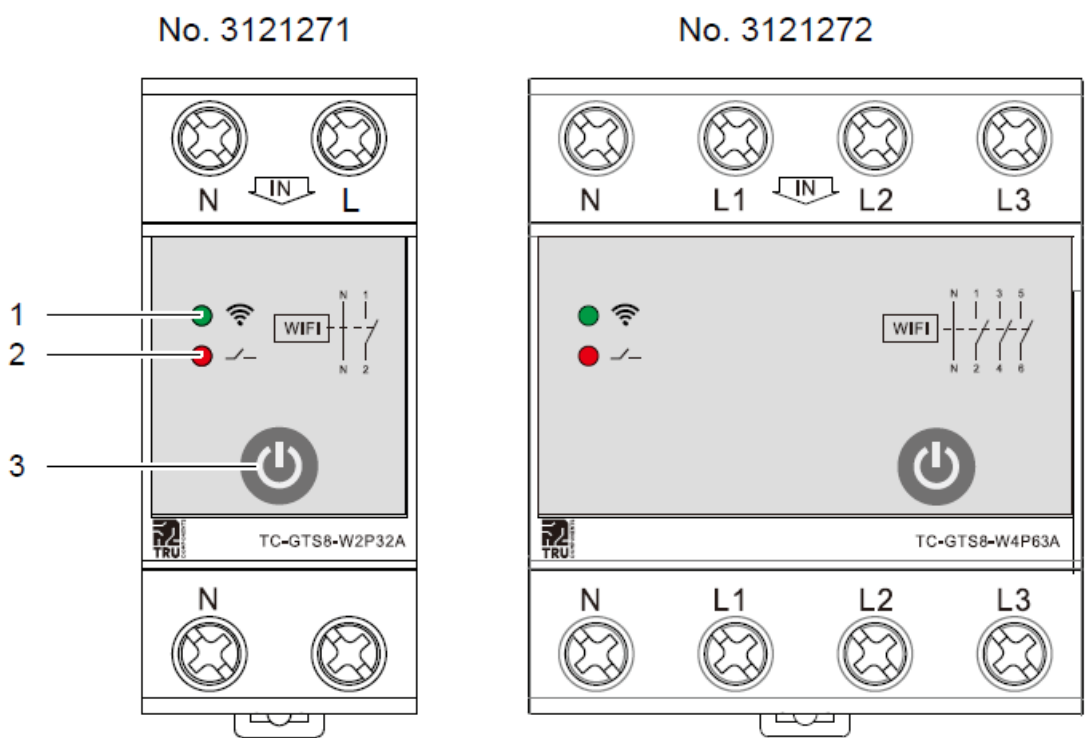If you are not a professional, do not do it yourself, have it performed by a specialist.

Function tests

- A function test tells you if a relay works as intended. Always perform a function test after installation.

Damaged relays are dangerous

- Never repair a damaged relay.
- Damaged relays can lead to serious accidents. Dispose of damaged relays safely and make sure they cannot be used again by anyone else.
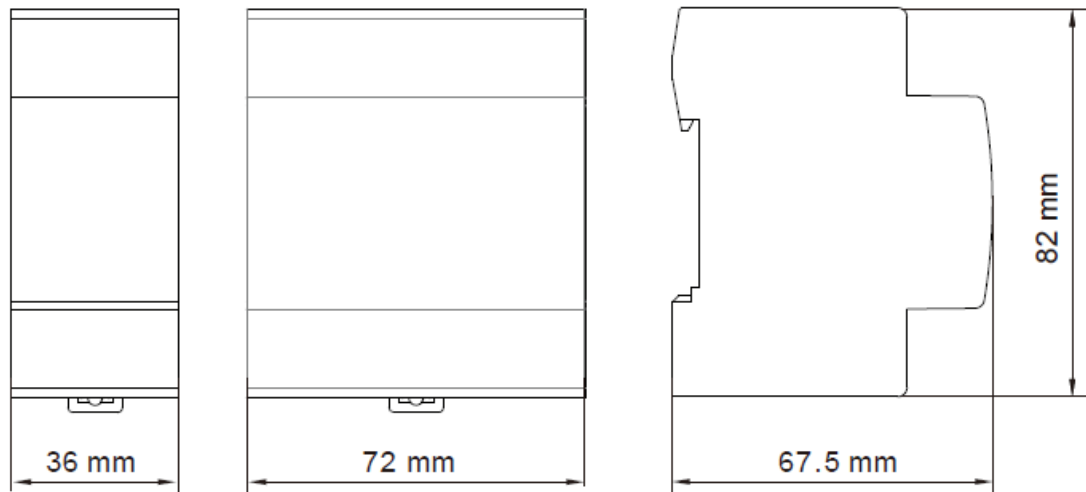
Product Overview

	Component	Description/Action
1	Wi-Fi indicator	■ On: connected to Wi-Fi ■ Off: disconnected from Wi-Fi ■ Flashing: pairing mode is active
2	Switch indicator	■ On: Switch is closed ■ Off: Switch is open
3	Power button	■ Press to open/close the switch ■ Press and hold (approx. 5s) to activate Wi-Fi pairing mode
N	Neutral terminal	
L	Line terminal	

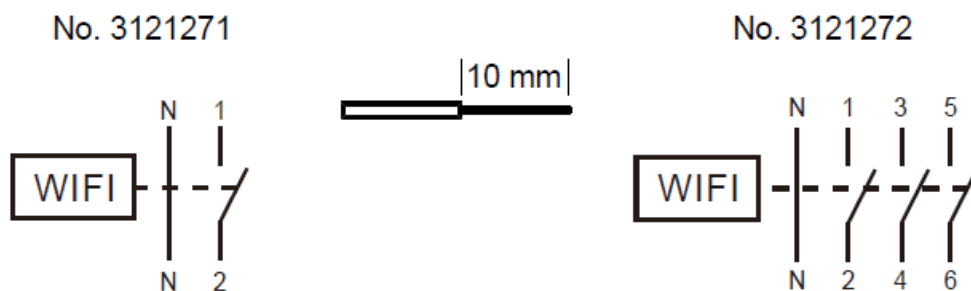## Dimensions

No. 3121271   No. 3121272

| 36 mm | 72 mm | 67.5 mm |

82 mm

Wiring diagram

WARNING
Risk of electric shock by live voltage
Disconnect the power supply before making connections.

No. 3121271   No. 3121272

|10 mm|

N 1
WIFI
N 2

N 1 3 5
WIFI
N 2 4 6

Mobile app control
Download application

- Compatible AndroidTM and iOS apps are available from their respective app stores.
- Search for "Smart Life – Smart Living".

Connecting the product to Wi-Fi
Important:

- The product is compatible only with 2.4 GHz networks.
- Connect the mobile device to the same Wi-Fi network the product will connect to.
- If you are giving the product to a third party you did not "Share Device" with, you may need to "Remove Device" through the application before they can link it to their account.

1. Connect the mobile device to the Wi-Fi network to which you connect the product.
2. Enable Wi-Fi pairing by pressing and holding the power button (approx. 5s) until the Wi-Fi indicator flashes.
3. Open the mobile app and add the product to the mobile app.

- → The Wi-Fi indicator is lit solid.

Configuring the relay default status

By setting the relay default status, you configure the switch position the relay switches to after recovering from a power failure.

Available default statuses:

Status	Description
On	The switch is closed.
Off	The switch is open.
Memory	The switch assumes the last status (open or closed).

1. Make sure the switch is connected to the Wi-Fi network.

2. In the mobile app, go to Settings> Relay Status.

3. Activate the required default status.

Declaration of Conformity (DOC)

- Conrad Electronic SE, Klaus-Conrad-Straße 1, D-92240 Hirschau hereby declares that this product conforms to the 2014/53/EU directive.
- Click on the following link to read the full text of the EU Declaration of Conformity:
  www.conrad.com/downloads
- Enter the product item number in the search box. You can then download the EU Declaration of Conformity in the available languages.

Disposal

This symbol must appear on any electrical and electronic equipment placed on the EU market. This symbol indicates that this device should not be disposed of as unsorted municipal waste at the end of its service life. Owners of WEEE (Waste from Electrical and Electronic Equipment) shall dispose of it separately from unsorted municipal waste. Spent batteries and accumulators, which are not enclosed by the WEEE, as well as lamps that can be removed from the WEEE in a non-destructive manner, must be removed by end users from the WEEE in a non-destructive manner before it is handed over to a collection point.

Distributors of electrical and electronic equipment are legally obliged to provide free takeback of waste. Conrad provides the following return options free of charge (more details on our website):

- in our Conrad offices
- at the Conrad collection points
- at the collection points of public waste management authorities or the collection points set up by manufacturers or distributors within the meaning of the ElektroG

End users are responsible for deleting personal data from the WEEE to be disposed of.

It should be noted that different obligations about the return or recycling of WEEE may apply in countries outside of Germany.

Technical data

	No. 3121271	No. 3121272
Model	TC-GTS8-W2P32A	TC-GTS8-W4P63A
Mounting	EN/IEC 60715 (DIN rail)	EN/IEC 60715 (DIN rail)
Suitable wire cross-section	1.5 – 3.5 mm²	1.5 – 3.5 mm²
Operating position	Any	Any
Switch type	Single pole; Single throw	3-pole; Single throw
Switch configuration	Normally open (NO)	Normally open (NO)
Rated supply voltage	230 V/AC	230 V/AC
Max. switching voltage	max. 250 V/AC	max. 250 V/AC
Rated supply frequency	50/60 Hz	50/60 Hz
Rated operational current	32 A	63 A
Burden	max. 3 VA	max. 3 VA
Overvoltage category	III	III
Pollution degree	2	2
Mobile app control	Tuya Smart Life – Smart Living	Tuya Smart Life – Smart Living
Wi-Fi band	2.4 GHz	2.4 GHz
Transmission frequency	2.412 – 2.472 GHz	2.412 – 2.472 GHz
Transmission power	20 dBm (0.1 W)	20 dBm (0.1 W)
Range	max. 40 m	max. 40 m
Ingress protection	Front panel: IP40 Terminals: IP20	Front panel: IP40 Terminals: IP20
Operating temperature	-20 to +55 °C; < 90% RH (non-condensing)	-20 to +55 °C; < 90% RH (non-condensing)
Storage temperature	-35 to +75 °C < 90 % RH (non-condensing)	-35 to +75 °C < 90 % RH (non-condensing)

Dimensions	82 x 36 x 67.5 mm	82 x 72 x 67.5 mm
Weight	130 g	370 g

Documents / Resources

TRU COMPONENTS TC-12485088 WiFi Intelligent Switch [pdf] Instruction Manual
TC-12485088, TC-GTS8-W4P63A, TC-12485088 WiFi Intelligent Switch, TC-12485088, WiFi Intelligent Switch, Intelligent Switch, Switch

References

- **Conrad Electronic » All parts of success**
- **Download center**
- **User Manual**