

## DuoFern Switch Adapter 9472-1

Instruction manual

Item no.: 3520 11 64



**EN** VBD 701-02-R1 (12.23)

### 1. This manual ...

describes how to commission and operate the DuoFern Adapter Plug. Please read this manual through completely and follow all the safety instructions. This manual is part of the product. Please store it in an easily accessible place. When passing the DuoFern Adapter Plug on to a third party, this manual must be passed on as well.

#### 1.1 Symbols used



**Danger of fatal electric shock**



**Danger area / dangerous situation**



Other useful information

### 2. Safety instructions



**There is a risk of fatal electric shock when touching live electrical components.**

- ◆ Never open the device.
- ◆ Do not use the DuoFern Adapter Plug should you discover damage to the device.
- ◆ Never use the DuoFern Adapter Plug outside or in damp rooms.



**Overloading of the DuoFern Adapter Plug can lead to the destruction of the device or a fire (e.g. caused by a short circuit or overheating).**

Observe the specifications for the maximum permissible switching capacity in "Technical specifications".



**Do not use the DuoFern Adapter Plug to disconnect a plugged in end unit.**

- ◆ Even when the DuoFern Adapter Plug is switched off, the plugged in end unit is not completely disconnected from the mains power supply.
- ◆ Switch off and disconnect the DuoFern Adapter Plug before undertaking all work on the electrical end unit.



**Improper use can lead to personal injury or property damage.**

- ◆ Never use the DuoFern Radio System and its components for the remote control of devices and systems with increased safety-relevant requirements or where there is an accident risk. Applications of this kind require additional safety equipment.



**Improper use can lead to serious property damage.**

- ◆ Train all persons to use the DuoFern Adapter Plug safely.
- ◆ Never plug in several DuoFern Adapter Plugs in a row.
- ◆ Never allow children to play with the device.



Radio systems that transmit on the same frequency can cause interference.

### 3. Intended use

Only use the DuoFern Adapter Plug for connecting and controlling electrical appliances (e.g. lighting etc.) up to the maximum permissible switching capacity, see "Technical specifications".

#### Operating conditions

- ◆ Use the DuoFern Adapter Plug only in dry rooms.
- ◆ Use the DuoFern Adapter Plug only in 230 V / 50 Hz mains sockets with earthed contacts.

### 4. Improper use

Using the DuoFern Adapter Plug for any other purpose than previously mentioned is not permissible.

### 5. Product description

The DuoFern Adapter Plug can be used to integrate and control one electrical appliance (e.g. lighting) within a DuoFern radio network. This enables many of the functions provided by the DuoFern transmitter (e.g. SmartHome Box or DuoFern Manual Control) to be used.

#### 5.1 Functions depending on the switching mode

The DuoFern Adapter Plug has two switching modes (unit and light mode) that can be used to control electrical appliances. You can switch between the two switching modes using an appropriate DuoFern transmitter (e.g. SmartHome Box etc.). To do so, please read the operating manual for the respective DuoFern transmitter.

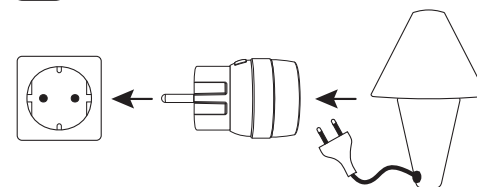
#### Factory setting = unit mode

Switching commands from a DuoFern transmitter	Reactions of the DuoFern Adapter Plug in:	
	Unit mode	Light mode
UP	ON	OFF
STOP	OFF	OFF
DOWN	OFF	ON
ON	ON	ON
OFF	OFF	OFF
Automatic dawn function	ON	OFF
Automatic dusk function	OFF	ON
Sun function	-	OFF

### 6. Installation



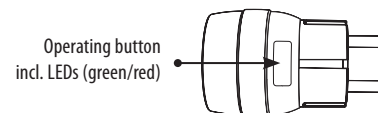
The DuoFern Adapter Plug shall be installed near the end unit and shall be easily accessible".



Insert the DuoFern Adapter Plug into the mains socket. The DuoFern Adapter Plug is now ready for use.

Then plug in the desired end unit.

### 7. Operation



#### Switch the connected device on / off

Press the button briefly.



Control via radio is only possible after logging on to a DuoFern transmitter.

#### Activate log-on mode

Press and hold the button for 2 to 5 seconds. Release the button as soon as the LED flashes green.\*

#### Activate log-off mode

Press and hold the button for 5 to 10 seconds. The LED initially flashes green. Release the button as soon as it flashes red.\*

\* The log-on and log-off mode respectively remain active for 120 seconds.

The log-on and log-off process has been successful if the LED lights up continuously. The respective process has failed if the red LED lights up continuously.

#### Resetting to the factory setting

Press and hold the button for 15 seconds. The LED initially flashes green, then red. Release the button when the LED starts to light up red continuously. The DuoFern Adapter Plug has now been returned to the default setting on delivery.

### 8. Technical specifications

Supply voltage:	230 V AC, 50 Hz, 8 A max.
Max. switching capacity:	Ohmic load 1800 W, (e.g. light bulb) Inductive load 200 W, (e.g. motor, fluorescent lamps) Capacitive load 150 W (e.g. lamps with LEDs)
Standby consumption:	< 0,5 W
Protection class:	I
IP Protection class:	IP20 (operating in dry rooms)
Operating temperature:	0 °C to 35 °C (T35)
Dimensions:	Ø 41 mm / depth = 73 mm

#### Radio Data

Transmission frequency:	434,5 MHz
Transmission power:	max. 10 mW
Radio range:	up to 20 m
DuoFern end units:	max. 20 units

#### Specification according to EN 61058-1

Duty-type and relevant ON/OFF-time:	S1 (100 %)
Cooling:	no forced cooling required
Protection device:	int. overtemperature protection
Circuit disconnection:	relay, 1-pole, Micro (μ)
Number of operating cycles:	10.000
Rated impulse voltage:	2.5 kV
Overvoltage category:	II
Pollution degree (macro) / PTI:	2 / 175V
Glow wire test temperature:	650 / 850 °C

### 9. Simplified EU declaration of conformity



DELTA DORE RADEMACHER GmbH, hereby declares that the DuoFern Adapter Plug complies with the Directive **2014/53/ EU** (Radio Equipment Directive). The full text of the EU declaration of conformity is available on our website.

[www.rademacher.de/ce](http://www.rademacher.de/ce)

#### Warranty terms and conditions

Information on our warranty conditions is enclosed separately with this product.

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