5. Logging DuoFern transmitters on / off

You must assign **every** required DuoFern transmitter to the DuoFern Switch Adapter Plug in order that the DuoFern Switch Adapter Plug can be controlled with a DuoFern transmitter. You can assign a maximum of 20 DuoFern transmitters (e.g. HomePilot®; DuoFern manual transmitter standard etc.).

1. Switch the desired DuoFern transmitter to registering mode (please refer to the corresponding operating instructions).
   Registering mode remains active for 60 seconds.

2. Press either the switch ❸ Connect (login)" or the switch ❷ "Disconnect (logout)" on the bottom of the DuoFern Switch Adapter Plug.

3. The DuoFern Switch Adapter Plug then transmits either a log-on or log-off signal.
   - The status LED flashes green during login.
   - The status LED flashes red during logout.

4. If registration is successful, the status LED will light up constantly green for approx. 20 seconds.

5. Log the next DuoFern transmitter on / off. In order to do so, repeat steps **1** to **3.**
   NOTE
   The status LED lights up red if the registration process fails, for example if:

   - 20 DuoFern transmitters have already been registered.
   - An unsuitable device (e.g. other DuoFern actuator) is registered.
   - An attempt was made to log-off a DuoFern transmitter that is not logged-on.

6. Erase data (Reset)

1. Press and hold the "Disconnect button" ❷ until the status LED lights up constantly red.

2. All of the registered DuoFern transmitters are logged-off.

3. Subsequently, the DuoFern Switch Adapter Plug will be reset to its original supplied state.

7. Technical Specifications

Supply voltage:	230 V / 50 Hz
Standby consumption:	0.5 W
Switching capacity:	max. 1300 W
Protection class:	II (only for use in dry areas)
Transmission frequency:	434.5 MHz
Transmission power:	max. 10 mW
Dimensions (without plug): - W x H x D:	64 x 106 x 41 mm

8. Simplified EU Declaration of Conformity

CE RADEMACHER Geräte-Elektronik GmbH hereby declares that the DuoFern Switch Adapter Plug complies with the Directive **2014/53/EU (Radio Equipment Directive)**.

The full text of the declaration of conformity is available at the following website:

www.rademacher.de/ce

9. Warranty conditions

RADEMACHER Geräte-Elektronik GmbH provides a 24-month warranty for new systems that have been installed in compliance with the installation instructions. All construction faults, material defects and manufacturing defects are covered by the warranty.

Your statutory warranty claims shall remain unaffected by this warranty.

The following are not covered by the warranty:
◆ Incorrect fitting or installation
◆ Non-observance of the installation and operating instructions
◆ Improper operation or wear and tear
◆ External influences, such as impacts, knocks or weathering
◆ Repairs and modifications by third parties, unauthorised persons
◆ Use of unsuitable accessories
◆ Damage caused by unacceptable excess voltage (e.g. lightning)
◆ Operational malfunctions caused by radio frequency overlaps and other such radio interference

For the warranty to be applicable, the new device must have been purchased through one of our approved specialist retailers. Proof of this can be provided by pre-senting a copy of the bill.

RADEMACHER shall remedy any defects, which occur within the warranty period free of charge either by repair or by replacement of the affected parts or by supply of a new replacement unit or one to the same value. There is no general extension of the original warranty period by delivery of a replacement or by repair as per the terms of the warranty.

1. Safety instructions

The use of defective equipment can lead to personal injury and damage to property (electric shocks /short circuiting).

- ◆ Never use defective or damaged equipment.
- ◆ Check that the DuoFern Switch Adapter Plug is intact.
- ◆ Consult our customer service department in the event that you discover damage.

Danger from fatal electric shock.

- ◆ Do not use the DuoFern Switch Adapter Plug to disconnect the connected electrical appliance.

  Even when the DuoFern Switch Adapter Plug is switched off, the plugged in electrical appliance is not completely (galvanically) disconnected from the mains power supply.
- ◆ The DuoFern Adapter Plug must be easily accessible in the case of danger.
- ◆ Pull the unit from the socket or DuoFern Switch Adapter Plug before undertaking all work on the electrical appliance.

Improper use can lead to serious property damage.

- ◆ Train all personnel to use the DuoFern adapter plug safely.
- ◆ Never plug in several DuoFern Adapter Plugs in a row.
- ◆ Children must not play with the device.

2. Intended use

Only use the DuoFern Switch Adapter Plug for connecting and controlling electrical appliances (e.g. lighting etc.) up to the stated total power level (Technical Specifications).

Operating conditions

- ◆ Only operate the DuoFern Switch Adapter Plug in dry rooms.
- ◆ Only use with 230 V / 50 Hz mains sockets.
- ◆ The installation and operation of the DuoFern radio system and its components (e.g. DuoFern Switch Adapter Plug) is only permitted for those systems and devices where a malfunction in the transmitter or receiver would not cause a danger to personnel or property or where this risk is already covered by other safety equipment.

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

3. Improper use

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

Improper use can lead to serious injuries or property damage.

- ◆ Never use the radio system (e.g. DuoFern radio system) and its components for the remote control of devices and systems with increased safety-relevant requirements or where there is an increased risk of accidents. Such applications require additional safety equipment. Observe the respective statutory regulations for the installation of such systems.

There is a risk of fatal injury caused by short circuiting and electric shocks if the DuoFern Switch Adapter Plug is used outdoors or in damp rooms..

- ◆ Do not install and use the DuoFern Switch Adapter Plug outdoors or in damp rooms.

4. Brief description

The DuoFern Switch Adapter Plug can be used to integrate and control one electrical appliance (e.g. lighting) within a DuoFern radio network. Many of the functions provided by the DuoFern transmitter (e.g. HomePilot® or DuoFern manual central operating unit) can thereby be used.

4.1 Functional description

The DuoFern Switch Adapter Plug has two switching modes (unit and light mode) with which you can control electrical appliances.

You can switch between the two switching modes using the relevant DuoFern transmitter (e.g. HomePilot® etc.). To do so, please read the operating instructions for the respective DuoFern transmitter.

Factory setting = Unit mode

The following table shows the reactions of the DuoFern Switch Adapter Plug to the switching commands from a DuoFern transmitter:

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
Automatic dawn function	ON	OFF
Automatic dusk function	OFF	ON
Sun function	OFF	OFF

* e.g. DuoFern standard manual transmitter

4.2 Function table

DuoFern function	Value range	Factory setting	DuoFern radio transmitter, flush-mounted	DuoFern wall controller	DuoFern standard manual transmitter	RolloTron Comfort DuoFern / Troll Comfort DuoFern	* WR ConfigTool with DuoFern central operating unit	DuoFern manual central operating unit	DuoFern environmental sensor	HomePilot®
1. Manual operation	on / off	-	●	●	●			●		●
2. Unit / light mode	Unit / light mode	Unit mode	●		●			●		●
3. Manual mode on / off	on / off	Off			●			●		●
4. Automatic timer on / off	on / off	On			●			●		●
5. Random function	-	-				●		●		●
6. Automatic dawn function	-	-				●		●	●	●
7. Automatic dawn function on / off	on / off	Off				●		●		●
8. Automatic dusk function	-	-				●		●		●
9. Automatic dusk function on / off	on / off	Off						●		●
10. Sun function	-	-				●		●		●
11. Automated solar function on / off	on / off	Off				●		●		●
12. Connectivity test	-	-	●		●			●	●	●
13. Connect with radio code	-	-			●			●		●
14. Reset via radio (3-stage)	-	-						●		●
15. Single-button operation	-	-					●			
16. Stairwell function	on / off	Off						●		●
17. Stairway time (impulse duration)	100 ms - 3276 s	180 seconds						●		●

* The "WR ConfigTool" software can be downloaded from our website **www.rademacher.de**.

4.3 General view

- ❶ ⏻ On-site button for manual control (On/Off) and status LED
- ❷ ◯◯ Disconnect button
- ❸ ◯◯ Connect button