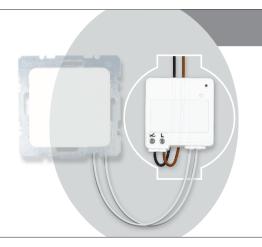


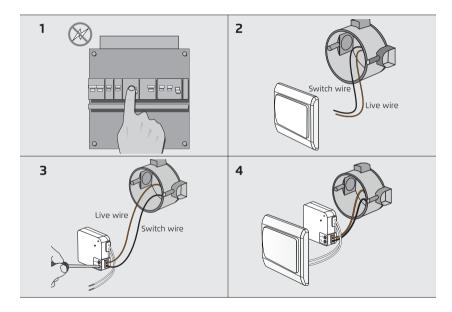
START-LINE

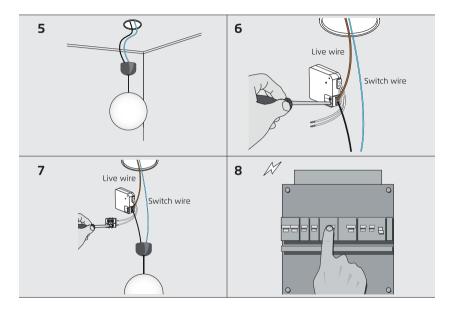


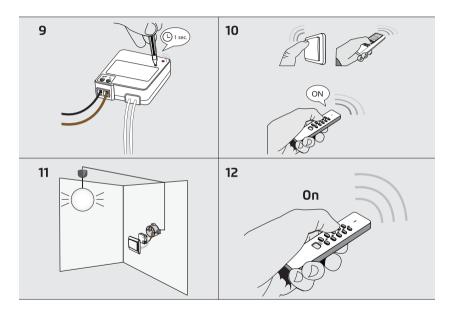
USER MANUAL MULTI LANGUAGE

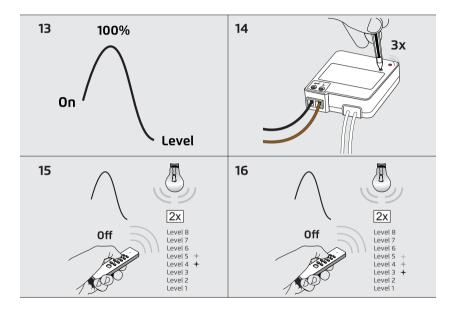
Item 71096 Version 1.0

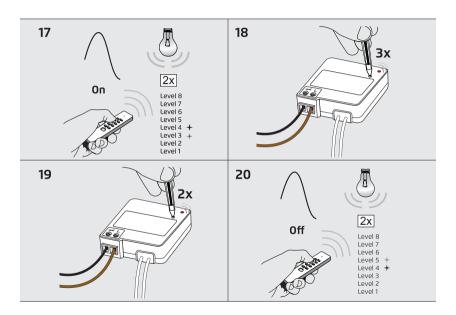
MINI BUILD-IN DIMMER

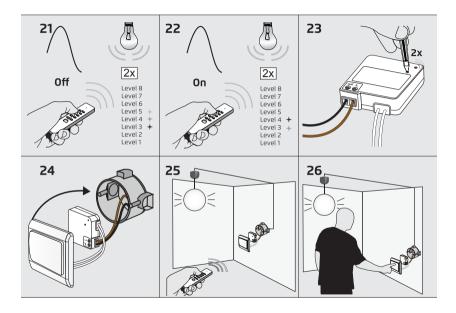


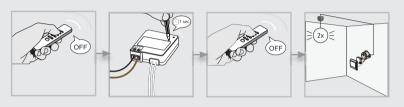


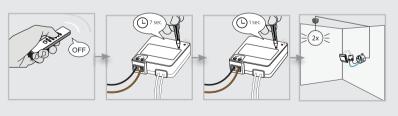














Switch off the mains power (electric meter box) before installing this product

Continue with [2] for installation behind a single wall switch.

Continue with [5] for ceiling box installation.

2. <u>Wall Installation</u> Remove the existing light switch

Detach the existing light switch and disconnect the wires. Remember to which terminals the wires were connected. Only connect lamps that are suitable for dimming.

3. Connect the live wire and switch wire

Connect the (brown) live wire to the [L] contact.
Connect the (black) switch wire to the [🗲] contact.
Tighten the clamping screws. Contact an electrician
when in doubt about wire colors.

4. Connect (white) AWMD switch wires to the original wall switch

Connect the 2 white switch wires from the receiver to the previously used terminals on the original wall switch

5. <u>Celling installation</u> Remove the existing lighting Detach the existing lighting and disconnect the wires. The receiver will act as a replacement for the existing wall switch. Only use the receiver with lamps that are suitable for dimming. Contact an electrician when in doubt about wire colors.

6. Connect the live wire to [L] and [Interrupt the (black) live wire and connect the two parts to [L] and [I does not matter which part is connected to which terminal of the receiver. Tighten the clamping screws.

7. Secure the 2 (white) AWMD wires in a screw terminal

Isolate the 2 white switch wires from the receiver in a screw terminal

8. Switch on the mains power (electric meter box) to continue the installation

Shock hazard! Do not contact any exposed wiring. Only touch the plastic housing of this product.

9. Activate learn-mode

Press the learn-button on the receiver for 1 second. The learn-mode will be active for 15 seconds and the LED-indicator will blink slowly.

10. Assign Trust SmartHome transmitter code

While the learn-mode is active, send an ON-signal with any Trust SmartHome transmitter to assign the code to the receiver's memory.

11. Code confirmation

The receiver will switch on/off 2 times to confirm the code has been received. The receiver can store up to 6 different transmission codes in its memory. The memory will be preserved when the receiver is moved to another location or in case of power failure.

12. Setting the correct dimming range For dimmable ESL

Every type of lamp (incandescent, halogen, dimmable ESL or dimmable LED) has a different dimming range. Therefore, you should always set the correct dimming range for the connected lamps. First, switch on the lamp with a Trust SmartHome transmitter (for example: a remote control).

13. Important note

To assure correct dimming of dimmable ESL, this dimmer always switches to full brightness (100%) first. Immediately afterwards, the lights are set to the dim-level that you have chosen.

14. Activate dimming range mode

Press the connect button 3 times in quick succession. The LED indicator will flash and the light will switch on. The lights will allways switch to the maximum light level first, before they switch to a certain dimming value (this is the factory setting or the last set dimming level).

15. Setting the dim level

Send an off-signal with the transmitter, Again, the lights will switch to the maximum light level first. Immediately afterwards, the lights will switch to a lower level (1 step less bright).

- 16. Each time you send an off-signal, the dim-level will be decreased with 1 step. In total, there are 8 levels (8 is the highest level, 1 is the lowest level). Slowly repeat this procedure untill you notice that the lights flicker or switch off. Then you have decreased the dim-level 1 step too much.
- 17. To increase the dim-level with 1 step, press the on-button. This way, you will set the correct dim level for the connected lamps (in this example: Level 4)

18. Now, press the connect button 3 times in quick succession to exit the dimming range mode. The dim-level that you have chosen will be saved and the connected lights will switch on and off twice. Then, the lights will switch on to the lowest dim-value

19. Activate dimming range mode

Press the connect button 2 times in quick succession. The LED indicator will flash and the light will switch on. The lights will allways switch to the maximum light level first, before they switch to a certain dimming value (this is the factory setting or the last set dimming level).

20. Setting the dim level For other lights

Send an off-signal with the transmitter. Again, the lights will switch to the maximum light level first. Immediately afterwards, the lights will switch to a lower level (1 step less bright).

- 21. Each time you send an off-signal, the dim-level will be decreased with 1 step. In total, there are 8 levels (8 is the highest level, 1 is the lowest level). Slowly repeat this procedure untill you notice that the lights flicker or switch off. Then you have decreased the dim-level 1 step too much.
- 22. To increase the dim-level with 1 step, press the on-button. This way, you will set the correct dim level for the connected lamps (in this example: Level 4).



23. Now, press the connect button 3 times in quick succession to exit the dimming range mode. The dim-level that you have chosen will be saved and the connected lights will switch on and off twice. Then, the lights will switch on to the lowest dim-value.

24. Mount the receiver in the box

Mount the receiver in the wall or ceiling box and put the original wall switch or ceiling lighting back in place.

25. Manual operation and dimming with a Trust SmartHome transmitter

- 1. Press ON once to switch the receiver on.
- Press ON again to active the dim-mode. The light will slowly dim up and down.
- Press ON a third time to set the desired light intensity.
- Press OFF to switch the receiver off. The receiver will return to the last light level when switched on again.

26. Manual operation and dimming with the existing wall switch

- Press ON once to switch the light on.
- Press OFF-ON to activate the dim-mode. The light will slowly dim up and down.
- Press OFF-ON again to fix the desired light intensity.
- 4. Press OFF to switch the light off.
 The receiver will return to the last light level when switched on again.

27. Single code delete

- Press the learn-button for 1 second.
 The learn-mode will be active for 15 seconds and the LED-indicator will blink slowly.
- While the learn-mode is active, send an OFF-signal with a specific Trust SmartHome transmitter to delete that code.
- The receiver will switch on/off 2 times to confirm code deletion.

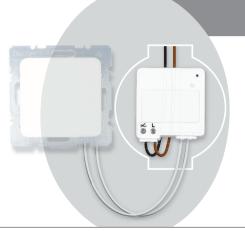
28. Full memory delete

- Press and hold the learn-button on the receiver (approx. 7 sec.) until the LED-indicator starts blinking fast. The delete mode will be active for 15 seconds.
- 2. While the delete mode is active, press the learn-button again for 1 second.
- The receiver will switch on/off 2 times to confirm memory deletion.



START-LINE

RECEIVER AWMD-250



IMPORTANT INFORMATION MULTI LANGUAGE

Item 71096 Version 1.0
Visit www.trustsmarthome.com

MINI BUILD-IN DIMMER

Read these simple guidelines. Not following them may be dangerous and faulty installation will invalidate any warranty that may apply to this product.

COMPATIBILITY

This receiver works with all Trust SmartHome transmitters (except TMT-502 + PIR-2050).

FUNCTIONALITY

Build-in receiver for dimming lights with a Trust SmartHome transmitter, while maintaining the functionality of the existing single wall switch.

TECHNICAL SPECIFICATIONS

Power supply input
 220-240 VAC 50 Hz

RF frequency 433.92 MHz

Standby power consumption 0.5 Watt

Memory addresses
 6

If you connect multiple lamps/spots, always use lamps of the same brand and type!

| if you connect mattiple lamps/spots, always use lamps of the same of and type: | | |
|--|--------------|--------------|
| Incandescent lamps and 230V (eco) halogen | Min 20 Watt | Max 250 Watt |
| 12V halogen with dimmable electronic transformer | Min 20 Watt | Max 250 Watt |
| 12V halogen with with iron-core transformer | Min 40 Watt | Max 250 Watt |
| Dimmable ESL | Min 3 Watt | Max 24 Watt |
| Dimmable LED | Min 3 Watt | Max 24 Watt |
| Non-dimmable ESL and non-dimmable LED | Not suitable | |
| Switchstart fluorescent tubes and compact fluorescent lamps | Not suitable | |

WIRELESS RADIO SIGNAL

- . The 433.92 MHz radio signal passes through walls, windows and doors.
- Indoor range: up to 30 m. Outdoor range: up to 70 m. (optimal conditions)
- The range is strongly dependent on local conditions, such as the presence of metals. For example, the thin
 metal coating in Low-emissivity (Low-E) glass has a negative impact on the range of radio signals.
- There may be restrictions on the use of this device outside the EU. If applicable, check whether this device complies with local directives.

INSTALLATION

Wire colors may vary per country. Contact an electrician when in doubt about wiring. This product is not suitable if the existing light switch is interconnected to other light switches for multiway switchina.

MAXIMUM LOAD

Never connect lights or equipment that exceed the maximum load of the receiver, as it can result in defects, a short circuit or fire.

SHOCK HAZARD

Exercise caution when installing a receiver.

Voltage may be present, even when a receiver is switched off

DIMMING

Only connect lamps that are suitable for dimming. Do not connect a lamp with an integrated dimmer to a Trust SmartHome dimmer receiver.

LIFE-SUPPORT

Never use Trust SmartHome products for life-support systems or other applications in which equipment malfunctions can have life-threatening consequences.

INTERFERENCE

All wireless devices may be subject to interference, which could affect performance. The minimum distance between 2 receivers should be at least 50 cm.

REPAIRING

Do not attempt to repair this product.

There are no user-serviceable parts inside.

WATER-RESISTANCE

This product is not water-resistant. Keep it dry. Moisture will corrode the inner electronics and can result in a short circuit, defects and shock hazard.

CLEANING Use a dry o

Use a dry cloth to clean this product. Do not use harsh chemicals, cleaning solvents, or strong detergents.

HANDLING

Do not drop, knock, or shake the device. Rough handling can break internal circuit boards and fine mechanics.

ENVIRONMENT

Do not expose the product to excessive heat or cold, as it can damage or shorten the life of electronic circuit hoards.

LEGAL INFORMATION

CE: Trust declares this device complies with the Directives as listed in Section 2 of this document. WEE: Dispose of the device at a recycling centre. More information: www.trustsmarthome.com Warranty information: www.trustsmarthome.com/warranty

(€ Declaration of Conformity

Trust International B.V. declares that this TRUST SMART Home-product:

AWMD-250 Mini build-in dimmer Model:

Item number: 71096 Intended use: Indoor

is in compliance with the essential requirements and other relevant provisions of the following directives: FMC Directive, Low Voltage Directive and R&TTF Directive. The product is compatible with the following norms/standards:

EN 60669-2-1:2004 +A1:2009 + A12:2010

EN 60669-2-2:2006

EN 60669-1:1999 + A1:2002 + A2:2008

EN 301 489-1 V1.9.2 (2011-09)

EN 301 489-3 V1.6.1 (2013-08)

EN 300 220-1 V2.4.1 (2012-05)

EN 300 220-2 V2.4.1 (2012-05) EN 55015: 2006 +A1: 2007 +A2: 2009

EN 55022: 2010+AC:2011

EN 61000-3-2: 2006 +A1: 2009 +A2: 2009 Class A

EN 61000-3-3: 2008

Authorized representative

H. Donker, Procurement Director

Dordrecht, 1-1-2015

EN 61000-4-2: 2009

EN 61000-4-3: 2006 +A1: 2008 +A2: 2010

FN 61000-4-4: 2012

EN 61000-4-5: 2006

EN 61000-4-6: 2009

FN 61000-4-11: 2004



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