Model

(1)	RTS40E5001-01	AUTO
(2)	RTS40E5001-02	ON/OFF/AUTO

Technical Details

Frequency:	868.3 MHz
Radiated power:	0,89 mW
Modulation:	FSK
Coding:	Easywave A/B
	EasywavePlus
Power supply:	2x 3-V-Batterie, CR2032
Temperature:	-20 °C to +60 °C
Range:	free-field: approx. 150 m
	buildings: approx. 30 m
Brightness range:	1 lx to 150 lx
Follow-up time:	1 s to 131 min
Inspection density:	approx. 16 m²
Dimensions:	cover: 55x55x12 mm
	plate: 71x71x1.5 mm
Weight:	34.0 g

Scope of Delivery

Transmission module, 2 batteries CR2032, cover, mounting plate, attachment set, operating instructions

Intended Use

Only use the device as a motion detector and only for operating Easywave radio receivers.

The manufacturer shall not be liable for any damage caused by improper or non-intended use.

Safety Advice

⚠ Before using the Radio Wall Switch, carefully read through the operating instructions!

Also note the operating instructions of the receiver(s)!

Do not make any unauthorized alterations or modifications to the RadioWall Switch!

Have faulty Radio Wall Switches checked by the manufacturer!

Keep the batteries out of the reach of children!

Function

The RTS40 is a battery-operated wireless motion detector for indoor use. Movement is detected and information sent via an Easywave message, and the connected Easywave radio receivers are operated in line with their selected operating mode.

There are two device options available:

AUTOMATIC operation (RTS40E5001-01)

The motion detector automatically reacts as per the programmed values.

ON/OFF/AUTO operation (RTS40E5001-02)

The function of the motion detector can be operated as permanently ON, permanently OFF or on automatic operation.

The interval before the load is switched off (follow-up time) can be selected in seconds and in minutes and be extended by a factor if necessary. The follow-up time can be retriggered. With each detected movement before end of time, the follow-up time starts again.

The integrated light sensor can be activated and deactivated manually. The connected radio receiver operates if the light sensor is activated and a movement is detected, and the programmed brightness is not met.

If the light sensor is deactivated, the motion detector works independently of the brightness.

Start-Up

General information (Figure 1)

The motion detector is equipped with a PIR sensor and suitable for ceiling and wall installation. The sensor reacts to changing heat radiation. The motion detector should therefore not be installed near heat sources, air currents or objects that move.
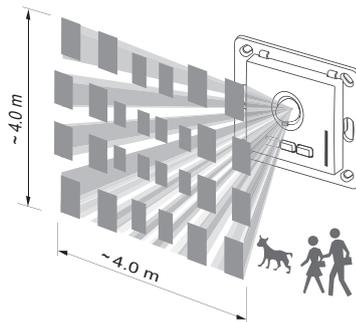
The distance between the installed object and light sources should be at least 0.5 m.

 No heat radiation is detected through barriers (walls, glass panes, etc.).

Make sure there is no interference with the wireless connection. Do not mount the device in a distribution box, in metal casings, in direct proximity to large metal objects, on the floor or close to it.

Mounting (Figure 2)

1. Screw or stick the mounting plate to the installation site.
2. Insert the batteries. The positive pole has to be visible!
3. Memorize the transmission code in the receivers. For this, set the receive to learn mode. You can do this directly on the receiver or via the learn button PTx of this transmitter. Please read the operating instructions supplied with the receivers.

   Press now the **W** button (Easywave code A) or **F** (Easywave code B) on the transmitting module. Set the required time and brightness settings or use the factory settings (see "Settings").
4. Place the cover frame on the mounting plate, latch the transmitting module onto the snap arm and clip on the cover.
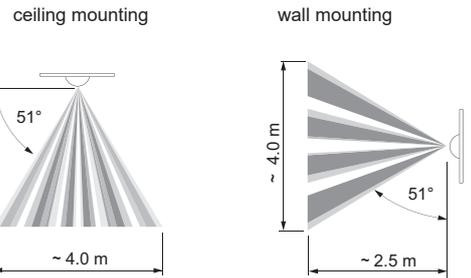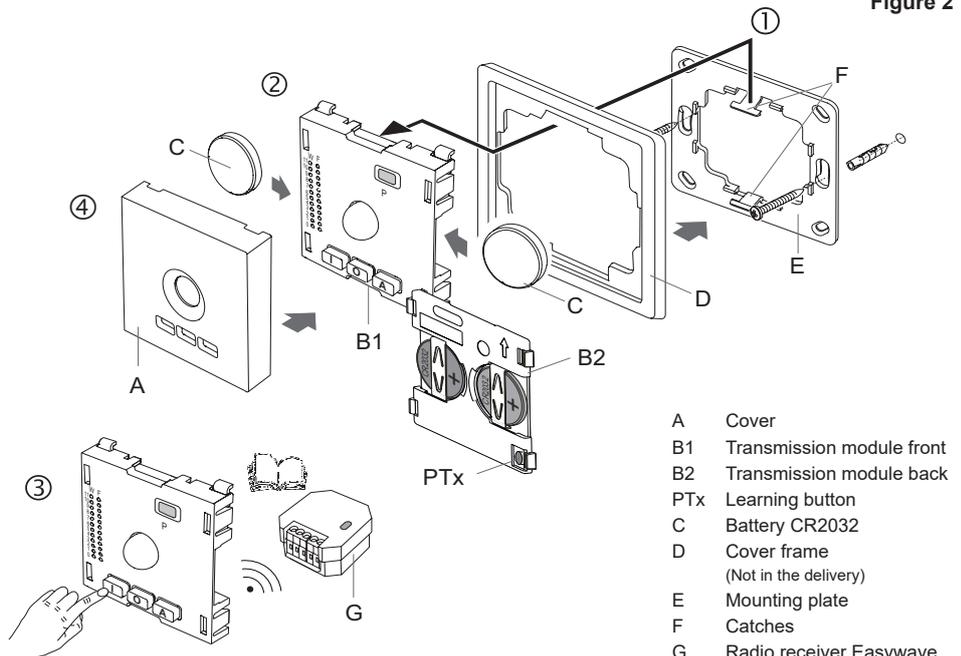
Figure 1

ceiling mounting

wall mounting

Figure 2

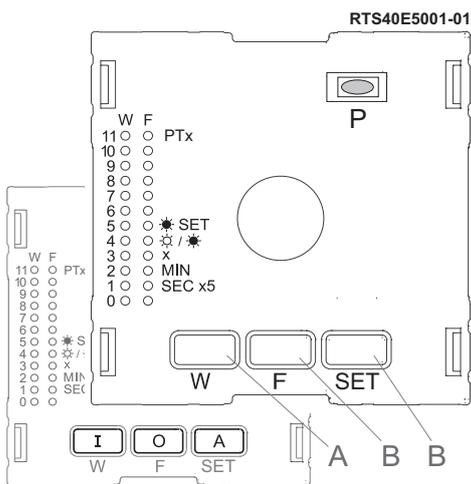|	
A	Cover
B1	Transmission module front
B2	Transmission module back
PTx	Learning button
C	Battery CR2032
D	Cover frame
	(Not in the delivery)
E	Mounting plate
F	Catches
G	Radio receiver Easywave

Settings

The factor settings of the RTS40 are as follows:
- The light sensor is deactivated,
- The follow-up time is one second (W=0).

RTS40E5001-01

RTS40E5001-02

P	Programming button
W	Button W: set the values or transmission code **A**
	LEDs W: show selected value
F	Button F: select the function or transmission code **B**
	LEDs F: show selected function
SET	Save the chosen settings

only RTS40E5001-02:

Button I   Switch load ON (transmission code **A**)
    The motion detector is deactivated.

Button O   Switch load OFF (transmission code **B**)
    The motion detector is deactivated.

Button A   Automatic operation
    The motion detector is activated (switching delay 5 s)
    Switch load OFF (transmission code **B**)

Activate learning mode on the receiver

With the button PTx you can bring the receiver into the programming mode.
Condition for this:
- The receiver supports this feature.
- The transmitter has already been programmed into the receiver.

Then, a new transmitter can be learned into the receiver. Please read the operating instructions supplied with the receivers.

Battery check

The transmitter has a battery check function, which checks the capacity of the battery during the transmission process.

After ending the transmission process, a low voltage message is sent automatically. This message can be assessed by suitable Easywave receivers. Information on this can be found in the instructions for use associated with the appropriate receiver.

Trouble Shooting

If the radio control does not react to the:
- Exchange the batteries.
- Check that the wireless connection at the installation site is not impaired between the transmitter and the receiver.
- Memorize the transmission code in the receiver.
- Other wireless devices using the same frequency and working in direct proximity may interfere with the device.

Function	Operation [press the button]	LED view	Comment
Set follow-up time in seconds **SEC x5**			Set follow-up time in 5-second steps (max. 55 s)
	1. Button P	LEDs W+F light up in accordance with the default settings	20 s after the final time you activate the button, there is automatic break-off
select the function	2. Button F	until the LED **SEC x5** lights	
set the value	3. Button W	LEDs W0 to W11 light up in accordance with your selection	in steps of 5 s (W0 = 1 s, W1 = 5 s, W2 = 10 s ... W11 = 55 s)
	4. Button SET		selection saved
Set follow-up time in minutes **MIN**			Set follow-up times in minutes from 1 min to 11 min
	1. Button P	LEDs W+F light up in accordance with the default settings	20 s after the final time you activate the button, there is automatic break-off
select the function	2. Button F	until the LED **MIN** lights	
set the value	3. Button W	LEDs W0 to W11 light up in accordance with your selection	in steps of 1 min (W0 = 0 min, W1 = 1 min, W2 = 2 min ... W11 = 11 min)
	4. Button SET		selection saved
Set time multiplier **X**			The progammed follow-up time (minutes + seconds) x factor required (1 to 11) max. time: 11 x (55s+11min) = 131 min (2h+11min)
	1. Button P	LEDs W+F light up in accordance with the default settings	20 s after the final time you activate the button, there is automatic break-off
select the function	2. Button F	until the LED **X** lights	
set the value	3. Button W	LEDs W0 to W11 light up in accordance with your selection	set time x factor required (W1 = x1, W2 = x2 ... W11= x 11)
	4. Button SET		selection saved
Enable / disable light sensor ☼ / ☀			If the light sensor is switched off, the motion detector operates independently of the selected.
	1. Button P	LEDs W+F light up in accordance with the default settings	20 s after the final time you activate the button, there is automatic break-off
select the function	2. Button F	until the LED ☼ / ☀ lights	
	3. Button W	LED W4 lights: Sensor ON LED W4 off: Sensor OFF	
	4. Button SET		selection saved
Set brightness threshold ☀ SET			Set the brightness value below which the motion detector should operate
	1. Button P	LEDs W+F light up in accordance with the default settings	20 s after the final time you activate the button, there is automatic break-off
select the function	2. Button F	until the LED ☀ SET lights	LED W, blinking, shows the currently measured brightness
set the value	3. Button W	LEDs W0 to W11 light up in accordance with your selection	W0 to W11 = 1 lx to 150 lx
	4. Button SET		selection saved

Disposal

Waste electrical products and batteries not be disposed of with household waste!

Dispose of the waste product via a collection point for electronic scrap or via your specialist dealer.

Dispose of used batteries in a recycling bin for batteries or via the specialist trade.

Put the packaging material into the recycling bins for cardboard, paper and plastics.

Warrant

Within the statutory warranty period we undertake to rectify free of charge by repair or replacement any product defects arising from material or production faults.

Any unauthorized tampering with, or modifications to, the product shall render this warranty null and void.

Conformity

Hereby, ELDAT GmbH declares that the radio equipment type RTS40 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.eldat.de

For use in: EU/CH/FL/IS/N

Service

If, despite correct handling, faults or malfunctions occur or if the product was damaged, please contact your retailer or the manufacturer.