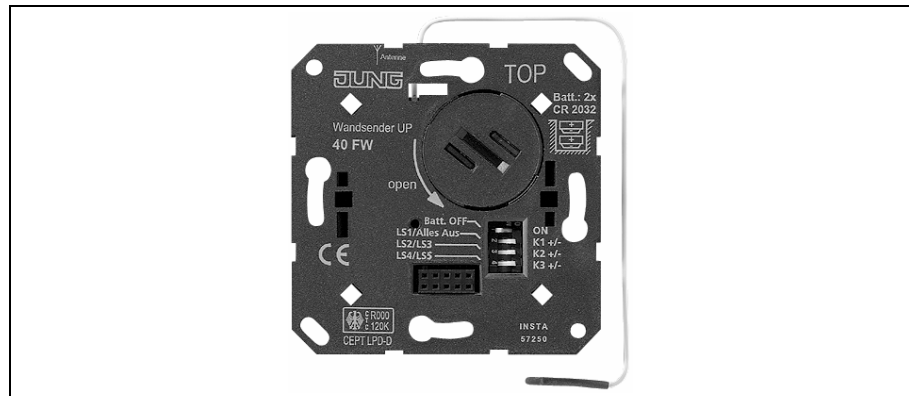


## Operating Instructions Wall-mounted radio-control insert



### 1. Function

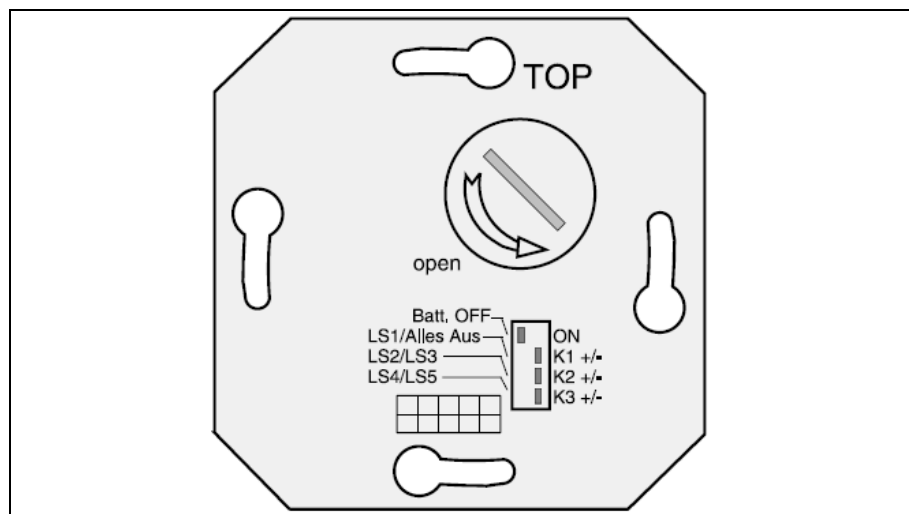
The wall-mounted radio control insert permits remote control of all receivers of the Radio Management system.

The wall-mounted transmitter is used with sensor controls with LED (single, double or quadruple) of the following product series: CD 500, CD plus, LS 990 and LS Edelstahl.

The electrical contact is ensured by a 10-pole push-on terminal strip.

On actuation of a sensor control, the wall-mounted radio control transmits a data telegram that is understood and executed by all radio receivers of the radio management system.

The number of radio channels available depends on the sensor control used (e.g.: single sensor control => 1 channel wall-mounted radio control insert).

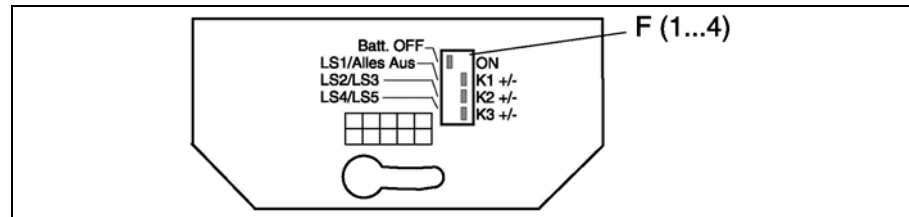


Der Wandsender ist mit einem 4-fach Funktionsschalter F ausgestattet.

Damit ist vor dem Aufsetzen des Tastsensors die Funktion wählbar. Sie ist jederzeit änderbar. Einzelne Tasten des Tastsensors können Sonderfunktionen "Alles Aus" oder "Lichtszene" zugeordnet werden.

Der Wandsender wird in UP-Schalter-Dosen oder AP-Kappen montiert.

Der Wandsender wird mit zwei Lithium-Knopfzellen (CR2032) betrieben.



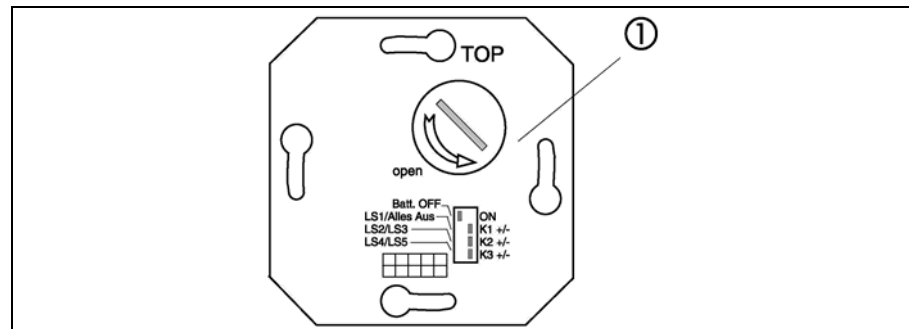
## 2. Fitting



**Attention: Electrical appliances may be installed and fitted by qualified electricians only.**

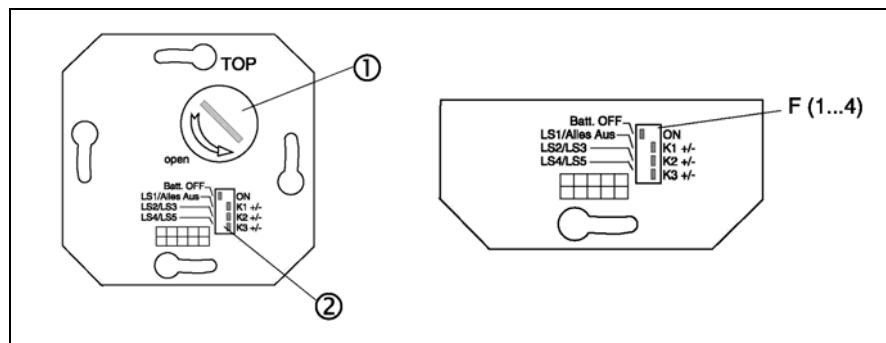
The wall-mounted radio control is installed with screws in a flushmounting or surface-mounting box.

The TOP is marked.



## 3. Start-up

1. Set switch "Batt." to ON (to the right).



2. Select the key function with function selector switch F (2).  
After withdrawing the sensor control attachment, selected functions can be changed at any time by setting the individual switches F (1...4)

to the desired position.

The factory setting is printed in bold face.

The positions of the keys (1-, 1+, 2-, ...) are shown in chapter "Operation".

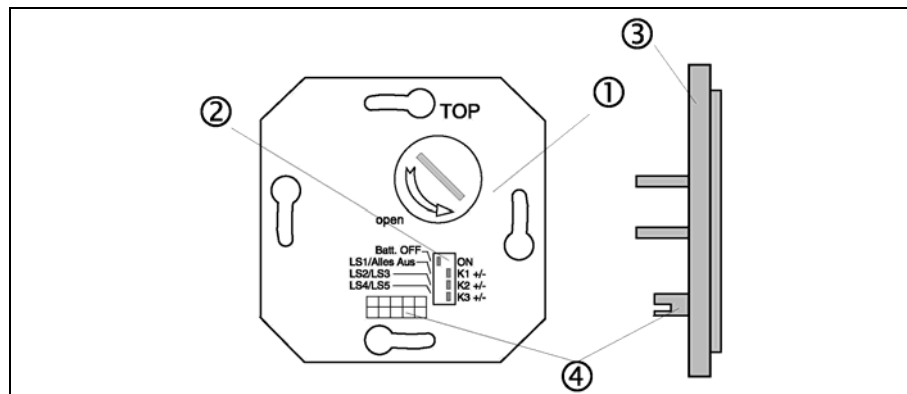
<b>F = Function</b>	<b>OFF (links)</b>	<b>ON (rechts)</b>
F1 = radio control is ...	<b>deactivated</b>	activated
F2 = key 1 -	All-Off	<b>channel 1 +</b>
= key 1 +	lightscape 1 (on)	<b>channel 1 +</b>
F3 = key 2 -	lightscape 2 (on)	<b>channel 2 -</b>
= key 2 +	lightscape 3 (on)	<b>channel 2 +</b>
F4 = key 3 -	lightscape 4 (on)	<b>channel 3 -</b>
= key 3 +	lightscape 5 (on)	<b>channel 3 +</b>

① Important:

The key marked 4+ or 4- is always assigned to channel 4 + or 4 -

3. Plug sensor control attachment (3) into the insert. The electrical contact is ensured by a 10-pole push-on terminal strip (4).

4. Depress any key for abt. 1 second.



## 4. Batteries

### Safety and disposal instructions

**Attention: Always keep button cells out of the reach of children.**

**Seek medical advice immediately if a button cell has been swallowed.**

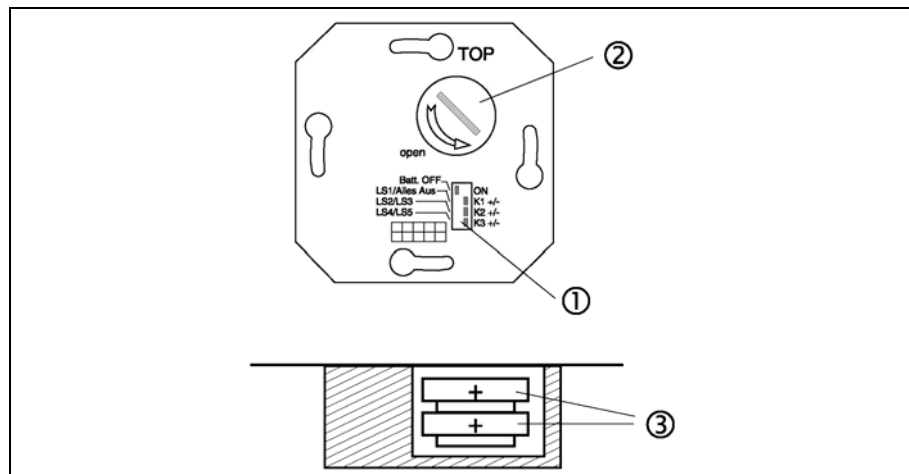
**Remove empty batteries immediately and dispose of them without polluting the environment. Replace batteries only with those of the same type.**

The wall-mounted radio control is operated with two lithium button cells (CR2032) (supplied with the insert). The batteries must be replaced if all LEDs flash on and off 5 times after a key has been actuated for less than 3 seconds.

### Replacing the batteries:

1. Withdraw the sensor attachment.
2. Set the „Batt.“ function switch (1) to OFF (left).

3. Open the battery compartment (2) by turning the lid counter clockwise.
4. Remove used batteries.
5. Insert new batteries (3) as shown in the picture.
6. Close the battery compartment.
7. Turn the „Batt.“ function switch to ON (right).
8. Depress any key for abt. 1 second.



① Important

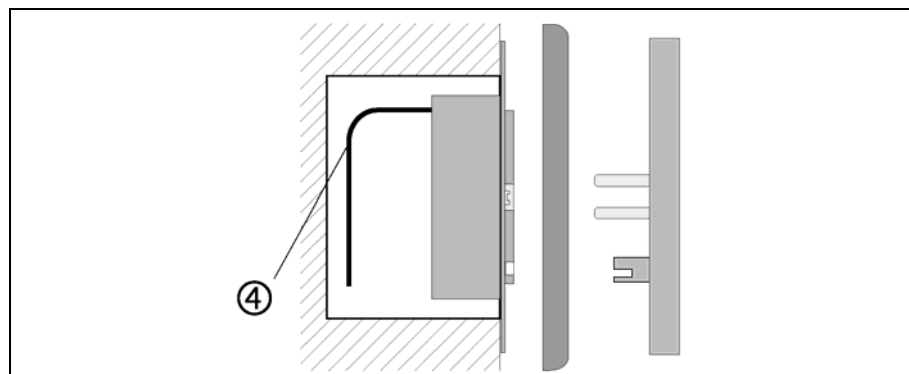
To save battery power turn off the wall-mounted radio control if no sensor attachment is plugged in permanently.  
To do so, turn the „Batt.“ function switch to OFF (left).

## 5. Antenna

For best transmission results, the antenna should be unrolled and laid as far away from the transmitter as possible.

The antenna must be as far away as possible from large metal parts (e.g. metal door frames).

Do not shorten or lengthen the antenna wire and do not strip off the insulation.



## 6. Programming a Receiver to Identify a Transmitter

In order to enable a radio receiver to understand a radio data telegram transmitted by the wall-mounted radio control insert, the receiver must "learn" to identify this radio telegram. The number of receivers that can be assigned to a special channel of the wallmounted radio control insert is unlimited. Learning causes the channel information to be stored only in the radio receiver.

### Procedure

1. Set the radio receiver to the learning mode. Refer to the "Radio Receiver" Operating Instructions.
  2. Learning procedure for a channel:  
Depress the +/- key of the desired channel for at least 1 sec.  
**Learning procedure for the ALL-OFF key:**  
Depress the ALL-OFF key for at least 10 sec.  
**Learning procedure for a lightscape key:**  
Depress the desired lightscape key for at least 3 sec.
  3. Set the radio receiver back to the normal mode. Refer to the "Radio Receiver" Operating Instructions.
- This completes the learning process!!

### 6.1. Clearing of Channels

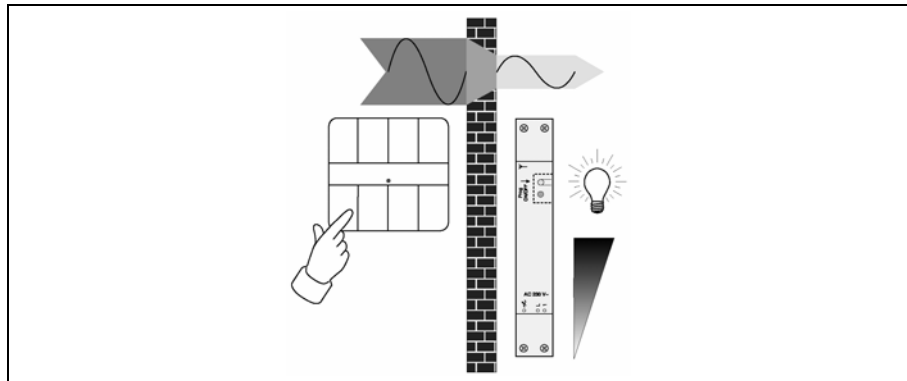
Reprogramming of the channel, lightscape or ALL-OFF keys of the wall-mounted radio control insert clears the assignment stored in the radio receiver.

## 7. Radio Transmission

**Radio transmission takes place on a non-exclusive path. Therefore, interference cannot be excluded. This type of radio transmission is not suitable for safety applications such as emergency stops or emergency calls.**

The range of a radio-control system depends on transmitter power, receiver characteristics, air humidity, fitting height and building conditions. Fig. 1 illustrates the penetration of building materials y radio waves:

Dry material I	Permeability
Timber, gypsum, gypsum-plasterboards	ca. 90 %
Brickwork, particle boards	ca. 70 %
Reinforced concrete	ca. 30 %
Metal, metal grating, aluminium lamination	ca. 10 %
Rain, snow	ca. 0 – 40 %



## Radio operation

- The inter-connection of this radio system with other communication networks must comply with national legislation.
- This radio system must not be used for communication beyond property boundaries.
- If utilized in conformity with its designated use, this unit fulfils the requirements of the R&TTE Directive (1999/5/EC). The complete declaration of conformity can be found in the Internet under: [www.jung.de/ce](http://www.jung.de/ce)

**The wall-mounted radio control insert may be operated in all EU and EFTA countries.**

## 8. Operation

Depressing a channel key (e. g. 1+) causes a radio telegram to be transmitted. This is confirmed by the LED being lit.

The maximum transmission cycle lasts 12 seconds, even if any of the keys is held depressed for longer.

If several keys are depressed at the same time no radio data telegram will be transmitted.

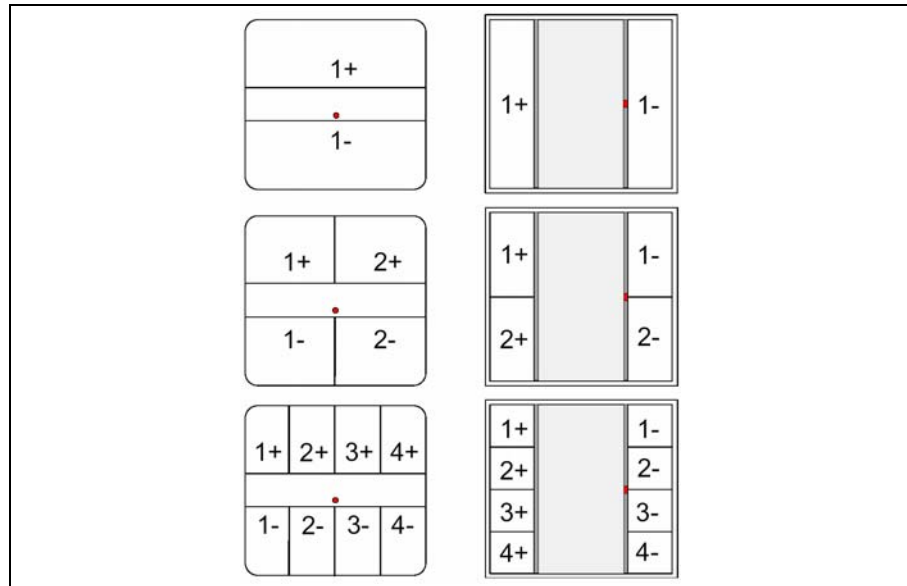
Depending upon the type of radio receiver, the response is as follows:

Toets	Duur	Verlichting	Jaloezie
X+	max. 1 Sek.	Switching ON	Blade adjustment
X-	max. 1 Sek.	Switching OFF	Blade adjustment
X+	mind. 1 Sek.	Dimming up	Continuously UP
X-	mind. 1 Sek.	Dimming down	Continuously DOWN

If you want to permanently switch on the radio-controlled switching

amplifier for about 2 hrs., you will have to depress programmed channel key X+ for at least 1 sec.

If the radio-controlled switching amplifier is to ignore transmissions from the radio detector for about 2 hrs., you will have to depress channel key X- for at least 1 second..



## 9. Lightscapes

Before a lightscape can be stored or recalled, respectively, the lightscape key must be programmed correspondingly (refer to "Learning Procedure for a Lightscape Key").

You can store five different lightscapes (long-time actuation: 3 sec. min.) and recall them (short-time actuation: 3 sec. max.).

### Changing a Lightscape

1. Adjust the desired lighting situation.
2. Depress the desired lightscape key for at least 3 sec.

#### ① Note:

The previous lightscape is recalled first (do not release the key) before the new one is activated.

3. The flush-mounted radio receivers confirm this by a short signal tone.

## 10. ALL OFF

During radio channel programming, the ALL-OFF key of the radio receiver is automatically "learned" at the same time (exception: radio louver attachment).

To avoid erroneous operation, depress the 1- key for at least 1 sec. when actuating the ALL-OFF key.

The load is switched off on all programmed radio receivers.

### Clearing "ALL OFF"

If a specific radio receiver is to disregard the ALL-OFF key command, this function will have to be erased from memory.

## Procedure

1. Set the radio receiver to the learning mode.  
(Refer to the "Radio Receiver" Operating Instructions.)
  2. Depress ALL-OFF key 1- for at least 10 sec.
  3. Set the radio receiver back to the normal mode.  
(Refer to the "Radio Receiver" Operating Instructions.)
- ⇒ This completes the clearing process!

## 11. Specifications

Power supply	:6 V DC
Batteries	:2 x Lithium-Knopfzelle (CR2032)
Battery life	: ca. 3 Jahre
Transmit frequency	:433.42 MHz, ASK
Transmitting range	: ca. 100 m (im Freifeld)
Temperature range	:0 °C bis +55 °C
Relative humidity	:max. 80 % (ohne Betauung)
Specifications subject to change.	

**Technische wijzigingen voorbehouden.**

## 12. Guarantee

Our products are under guarantee within the scope of the statutory provisions.

**Please return the unit postage paid to our central service department giving a brief description of the fault:**


ALBRECHT JUNG GMBH & CO. KG  
Service-Center  
Kupferstr. 17-19  
D-44532 Lünen  
Service-Line: +(49) 23 55 . 80 65 51  
Telefax: +(49) 23 55 . 80 61 65  
E-Mail: mail.vka@jung.de

### General equipment

Service-Line: +(49) 23 55 . 80 65 55  
Telefax: +(49) 23 55 . 80 62 55  
E-Mail: mail.vkm@jung.de

### KNX equipment

Service-Line: +(49) 23 55 . 80 65 56  
Telefax: +(49) 23 55 . 80 62 55  
E-Mail: mail.vkm@jung.de

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