

## Mec Driver - Sensormodul

### *Mec Driver - Sensor module*

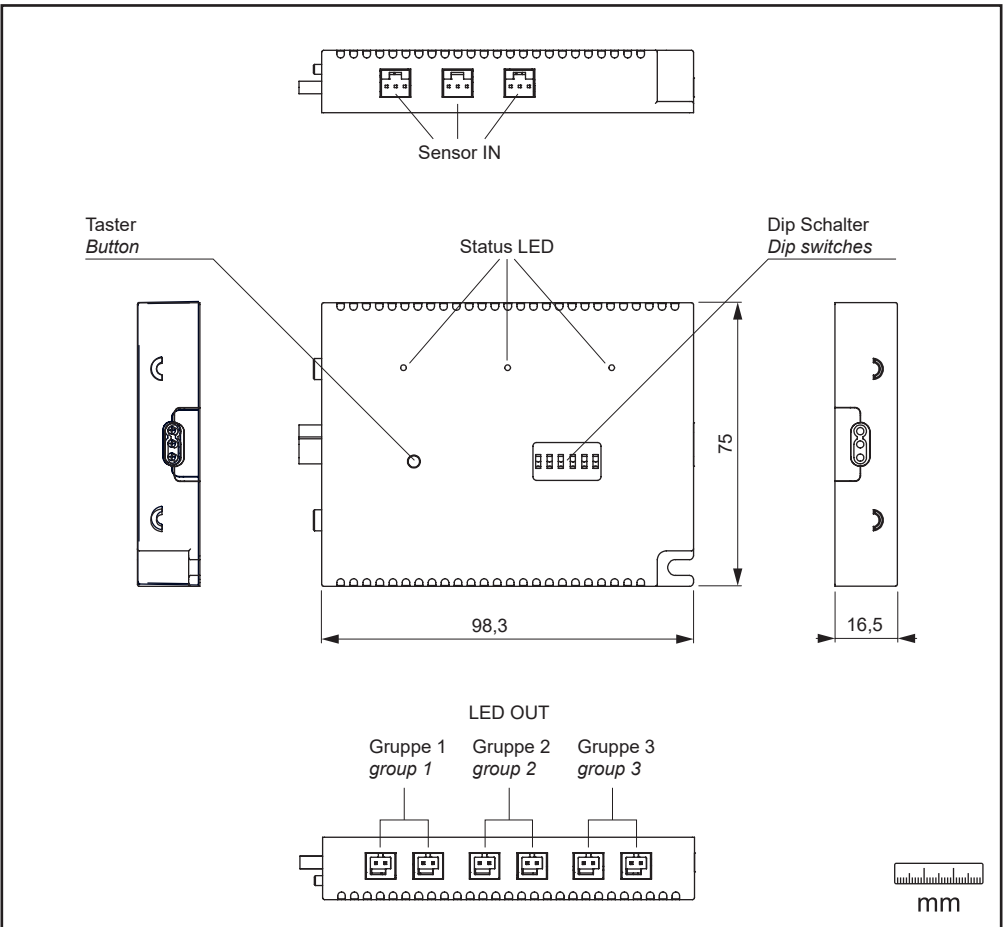
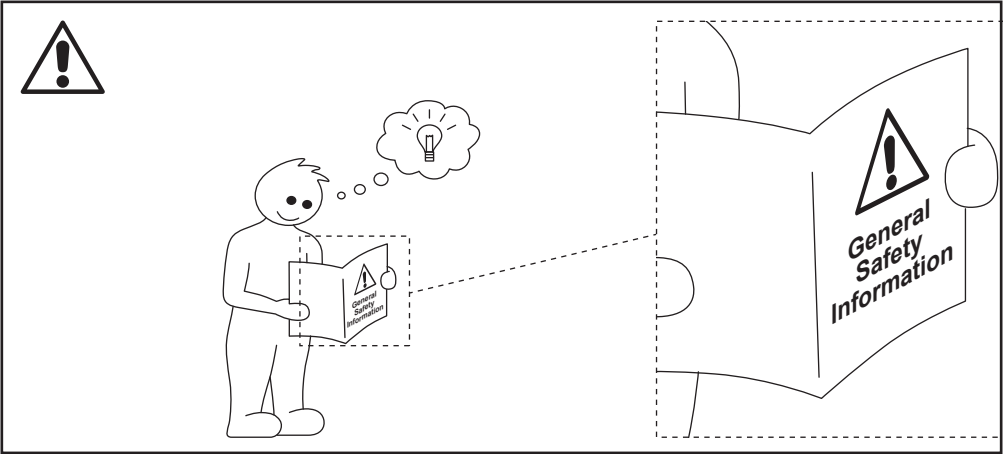
12 / 24 V

Frequenzbereich / Frequency range: 2440 MHz  
Sendeleistung / Transmitting power: 4 dbm

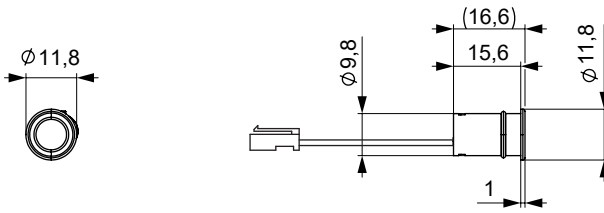


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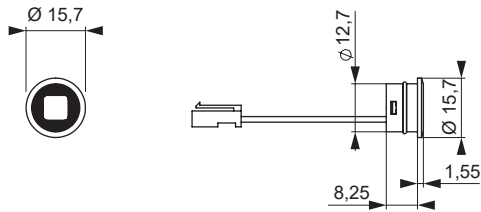
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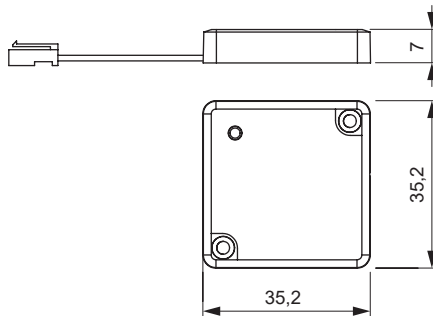
**A** **B**



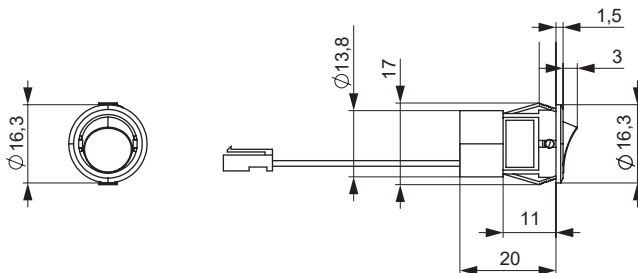
**C**



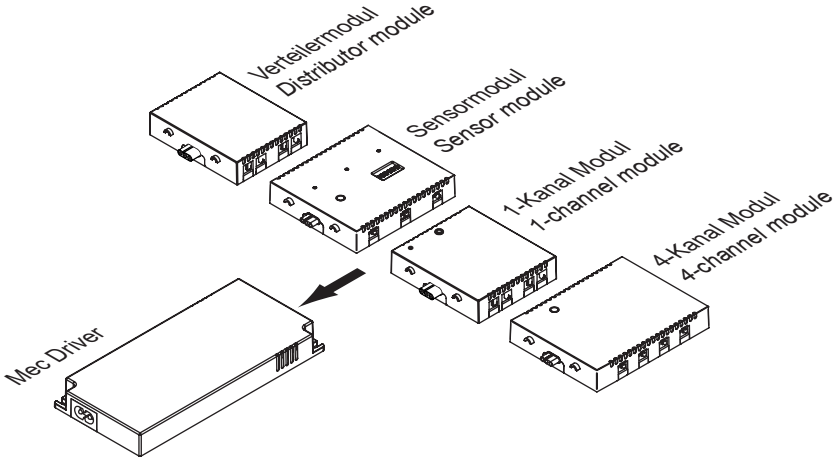
**D**



**E**



**Verfügbare Module**  
*Available modules*



**Beliebig erweiterbar**

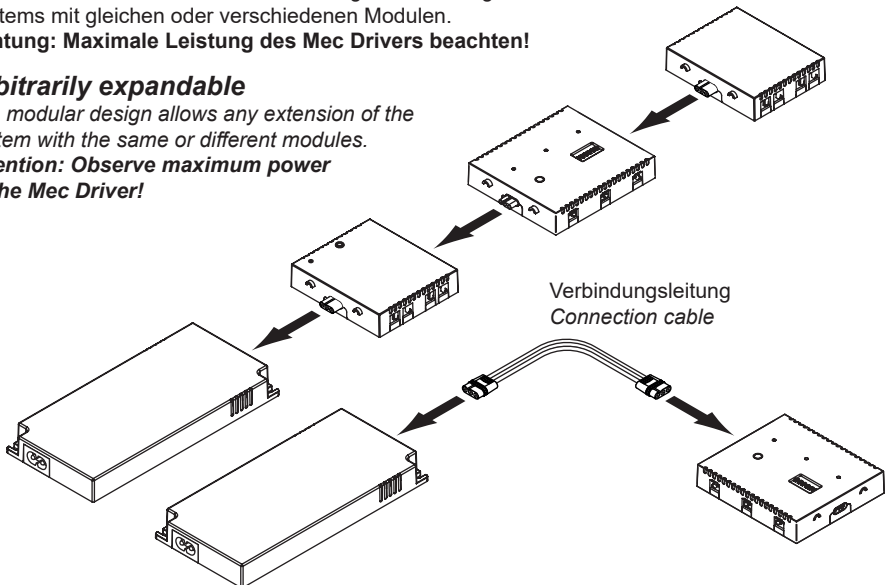
Der modulare Aufbau erlaubt eine beliebige Erweiterung des Systems mit gleichen oder verschiedenen Modulen.

**Achtung: Maximale Leistung des Mec Drivers beachten!**

**Arbitrarily expandable**

The modular design allows any extension of the system with the same or different modules.

**Attention: Observe maximum power of the Mec Driver!**



## Das Sensormodul verfügt über vier Funktionsmodi für die Steuerung von IR Sensor und Türkontaktschalter bzw. Bewegungsmelder:

*The sensor module has four operation modes for the control of IR sensor, door contact switch or motion detector respectively:*

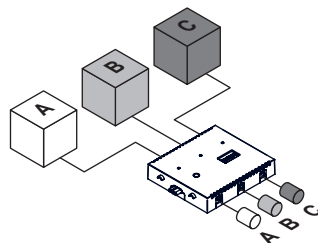
### Gruppenschaltung

Jede Leuchtengruppe wird über den dazugehörigen Sensor geschaltet und gedimmt (Sensorabhängig).

Geeignet für: **IR-Sensor, Türkontaktschalter, Bewegungsmelder, Wippschalter, Kap-Sensor**

#### Beispiel:

Sensor A steuert Leuchtengruppe A, Sensor B steuert Leuchtengruppe B und Sensor C steuert Leuchtengruppe C.



### Group circuit

*Each luminaire group is switched and dimmed via the associated sensor.*

*Suitable for: IR Sensor, Door contact switch, Motion detector, Rocker switch, CAP sensor*

#### Example:

*Sensor A controls luminaire group A, sensor B controls luminaire group B and sensor C controls luminaire group C.*

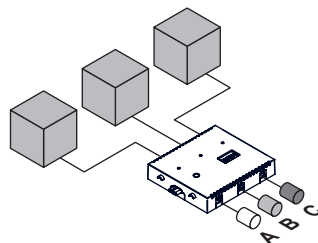
### Oder-Schaltung

Alle Leuchtengruppen werden gemeinsam geschaltet, egal welcher Sensor betätigt wird.

Geeignet für: **Türkontaktschalter  
Bewegungsmelder**

#### Beispiel:

Aktivierung von Sensor A schaltet alle Leuchtengruppen an. Bei Betätigung von Sensor B oder C bleiben die Leuchtengruppen aktiv. Erst wenn alle Sensoren deaktiviert werden, werden die Leuchtengruppen ausgeschaltet.



### Or circuit

*All luminaire groups are switched together, regardless of which sensor is actuated.*

*Suitable for: Door contact switch  
Motion detector*

#### Example:

*Activation of Sensor A switches all luminaire groups. When sensor B or C is activated, the luminaire groups remain active. The luminaire groups are only switched off, when all sensors are deactivated.*

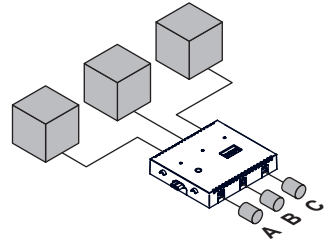
## Kreuzschaltung

Alle Leuchtengruppen werden gemeinsam geschaltet. Jeder Sensor kann schalten und dimmen (Sensorabhängig).

Geeignet für: **IR Sensor, Kap-Sensor**

### Beispiel:

Am Sensor A werden alle Leuchten angeschaltet, über Sensor C gedimmt und über Sensor B ausgeschaltet.



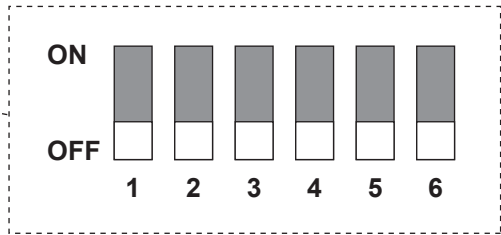
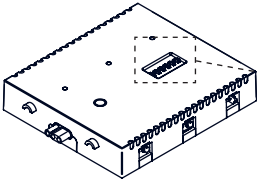
## Cross circuit

*All luminaire groups are switched together. Each sensor can switch and dim.*

Suitable for: **IR Sensor, Kap-Sensor**

### Example:

*All luminaires are switched on at sensor A, dimmed via sensor C and switched off via sensor B.*



### Funktion / Function

Gruppenschaltung für:  
Tür / Bewegungsmelder  
Wippenschalter  
KAP-Sensor  
Group circuit for:  
door / PIR  
rocker switch  
CAP sensor

Gruppenschaltung für:  
IR Sensor  
Group circuit for:  
IR wave sensor

Oder-Schaltung für:  
Tür / Bewegungsmelder  
Wippenschalter  
KAP-Sensor  
Or circuit for:  
door / PIR  
rocker switch  
CAP sensor

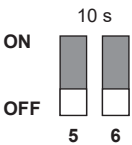
Kreuzschaltung für:  
IR Sensor  
Wippenschalter  
KAP-Sensor  
Cross circuit for:  
IR wave sensor  
rocker switch  
CAP sensor



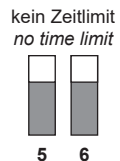
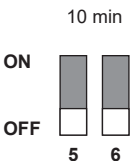
### Farbtemperatur / Colour temperature



### Nachlaufzeit für Bewegungsmelder / Delay time for PIR sensor



### Nachlaufzeit für Türkontaktschalter / Delay time for door contact switch

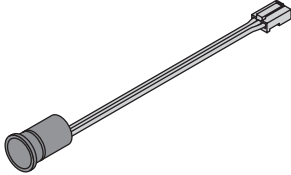




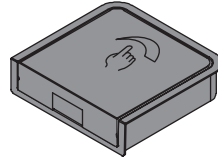
**Kabelgebundene Sensoren / Schalter**  
*Wired sensors / switches*

**Funksensoren**  
*Radio sensors*

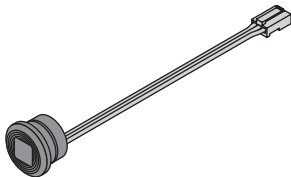
**A** **B** IR Sensor / Türkontaktsensor  
*IR sensor / Door contact sensor*



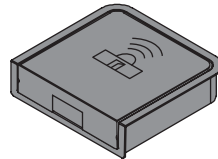
**F** IR Sensor  
*IR sensor*



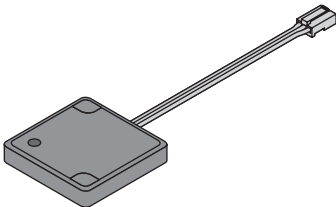
**C** Bewegungsmelder  
*PIR sensor*



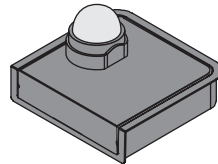
**G** Türkontaktsensor  
*Door contact sensor*



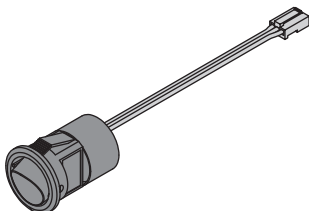
**D** Kapazitiver Sensor  
*Capacitive sensor*



**H** Bewegungsmelder  
*Motion detector*



**E** Schalter  
*Switch*



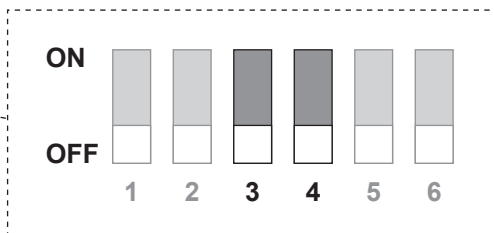
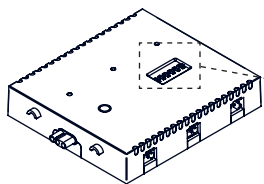
# L&S Einstellung der Farbtemperatur / Setting of colour temperature

**Wird eine Leuchte mit Emotion-Technik verwendet, kann die Farbtemperatur am Empfängermodul eingestellt werden:**

*If a luminaire with Emotion technology is used, the colour temperature can be set on the receiver module:*

## Einstellung über Dip Schalter 3 und 4

**Setting via Dip switches 3 and 4**



## Auswahl der Farbtemperatur

**Colour temperature selection**

Extra Warmweiß

*Extra warm white*

2700 K



3 4

Warmweiß

*Warm white*

3000 K



3 4

Neutralweiß

*Natural white*

4000 K



3 4

Kaltweiß

*Cool white*

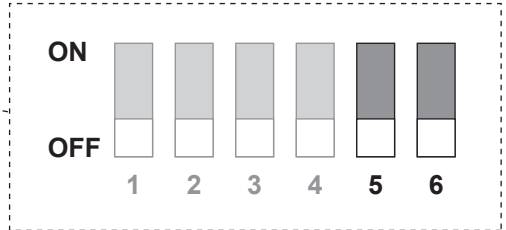
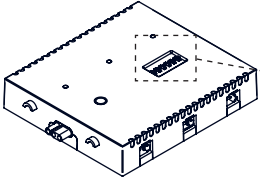
6500 K



3 4

**Timer Einstellung für Bewegungsmelder**  
*Timer setting for motion detector*

**Einstellung über Dip Schalter 5 und 6**  
*Setting via Dip switches 5 and 6*

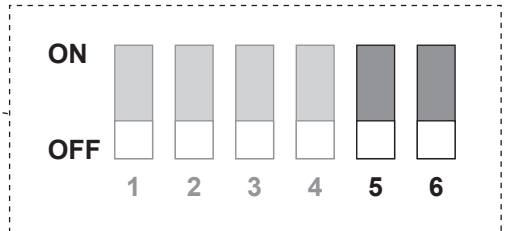
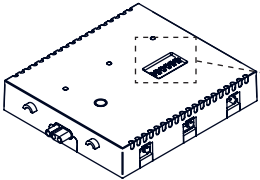


**Auswahl der Nachlaufzeit**  
*Selection of the delay time*

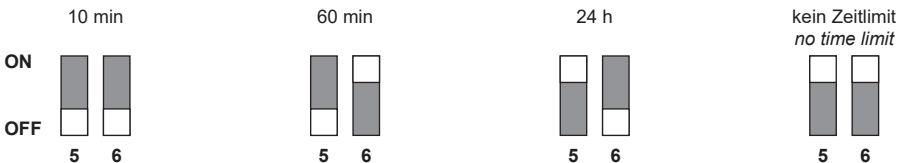


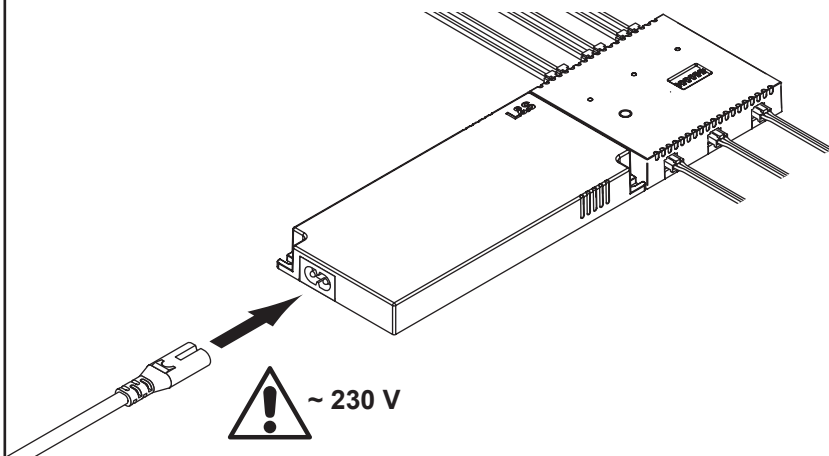
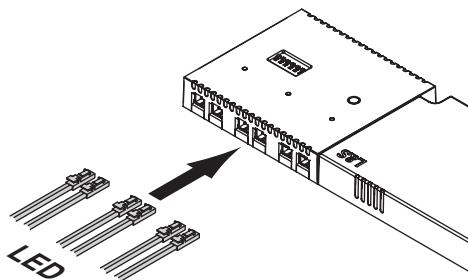
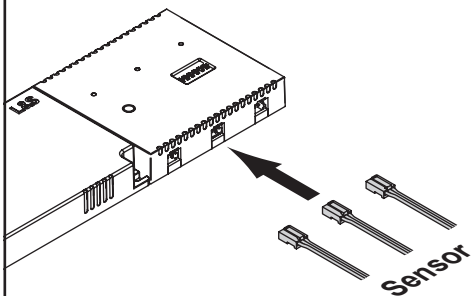
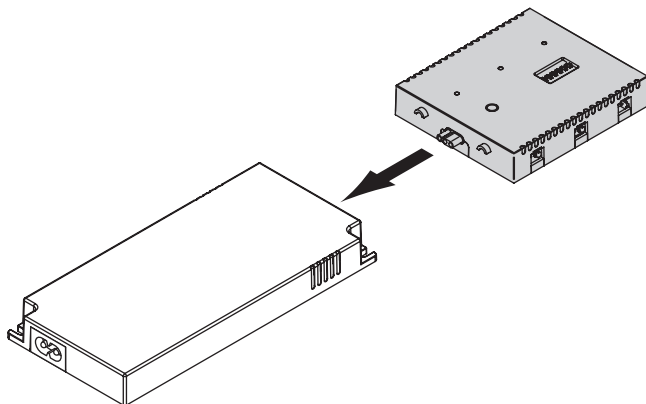
**Timer Einstellung für Türkontaktschalter**  
*Timer setting for door contact switch*

**Einstellung über Dip Schalter 5 und 6**  
*Setting via Dip switches 5 and 6*



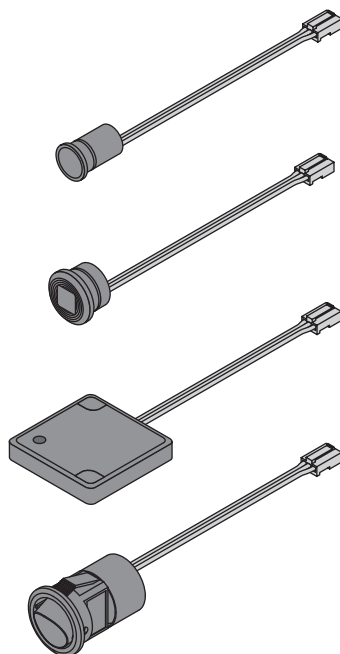
**Auswahl der Nachlaufzeit bei geöffneter Tür**  
*Selection of the delay time with open door*



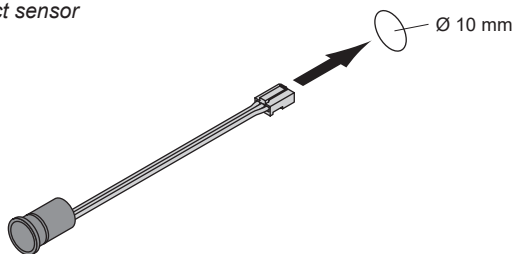


# Kabelgebundene Sensoren / Schalter

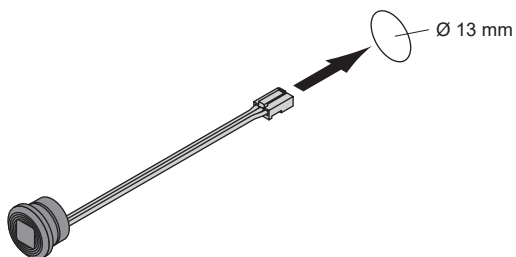
## *Wired Sensors / Switches*



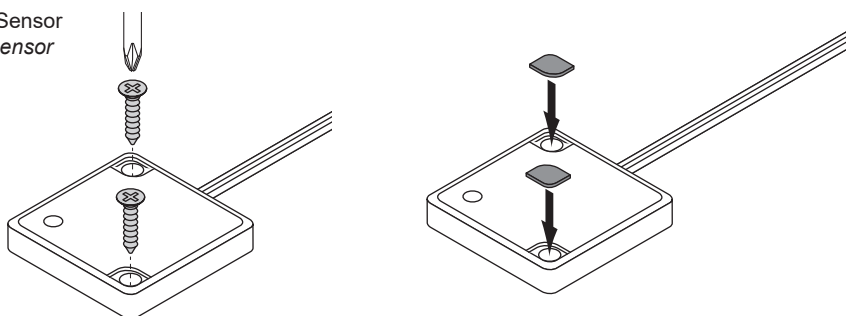
IR Sensor / Türkontaktsensor  
*IR sensor / Door contact sensor*



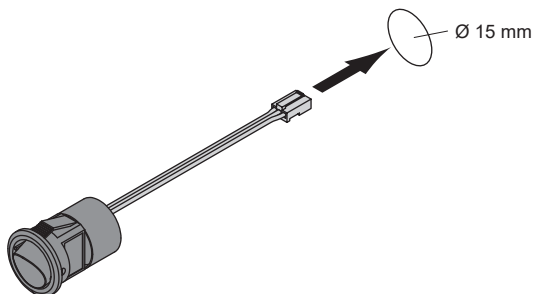
Bewegungsmelder  
*PIR sensor*

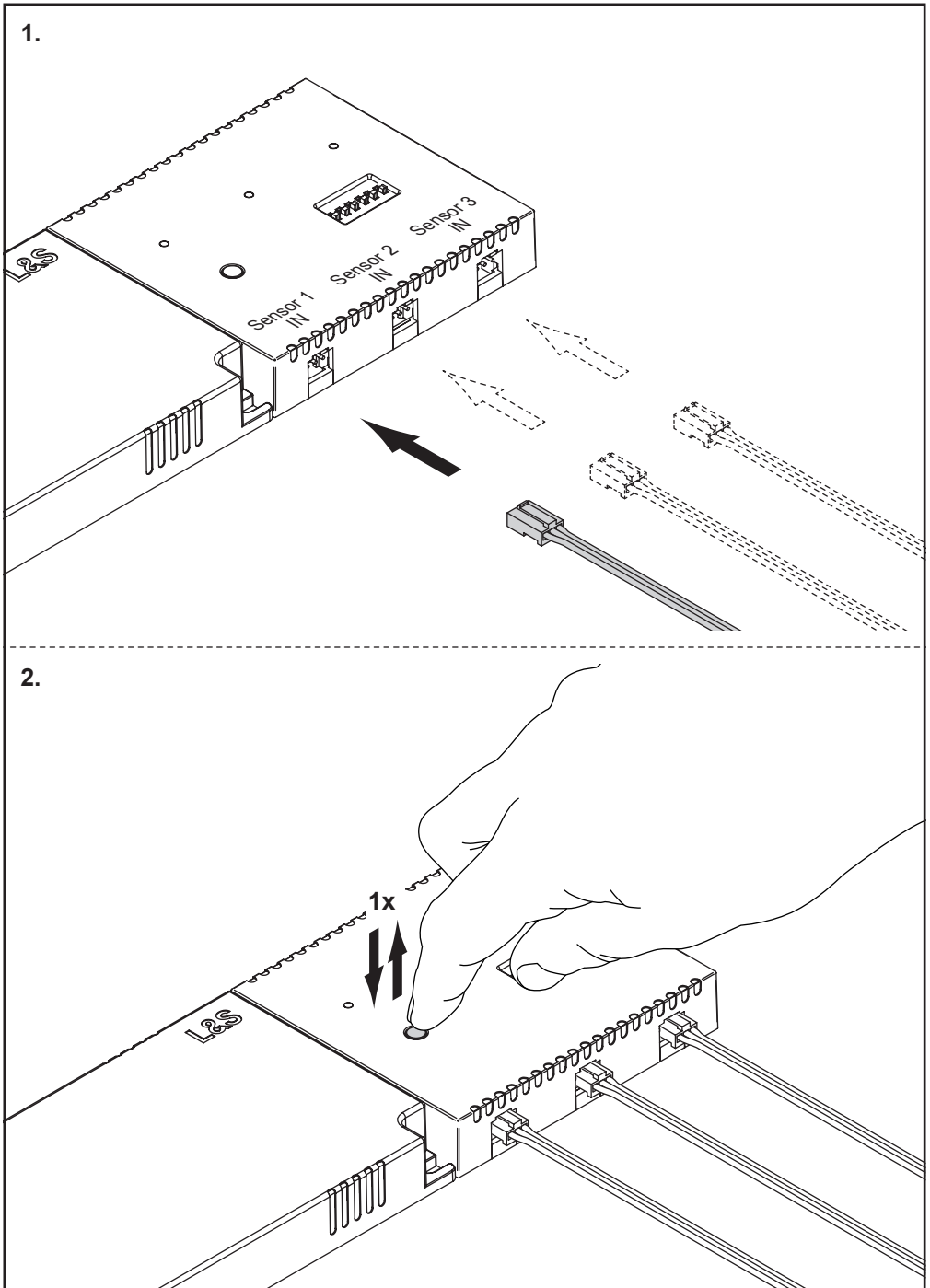


Kapazitiver Sensor  
*Capacitive sensor*



Schalter  
*Switch*



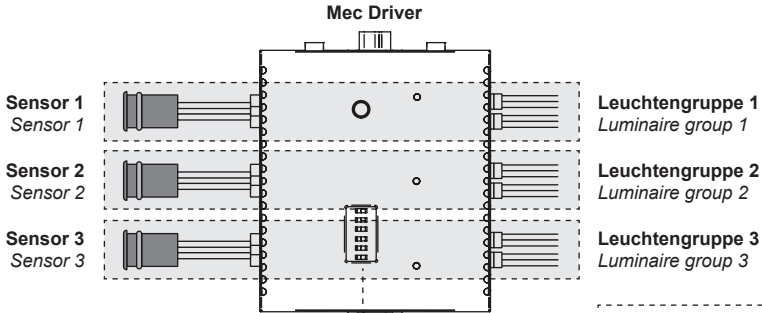


## Gruppenschaltung

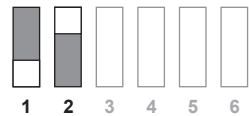
Jede Leuchtengruppe wird über den dazugehörigen Sensor geschaltet und gedimmt (Sensorabhängig).

### Group circuit

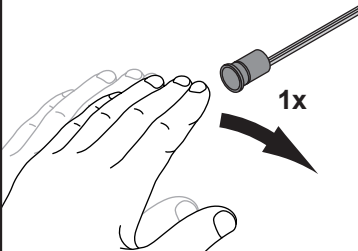
Each luminaire group is switched and dimmed via the associated sensor (sensor-dependent).



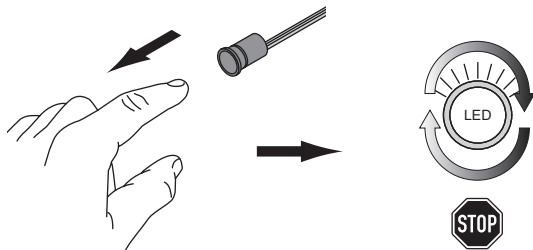
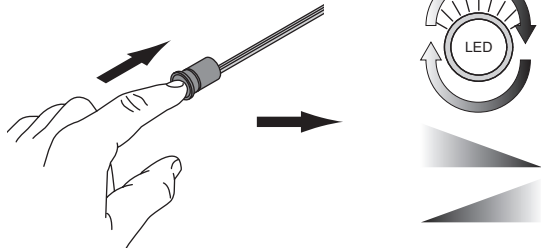
Position der Dip-Schalter  
Position of the Dip switches



## AN / AUS ON / OFF



## Dimmen Dimming



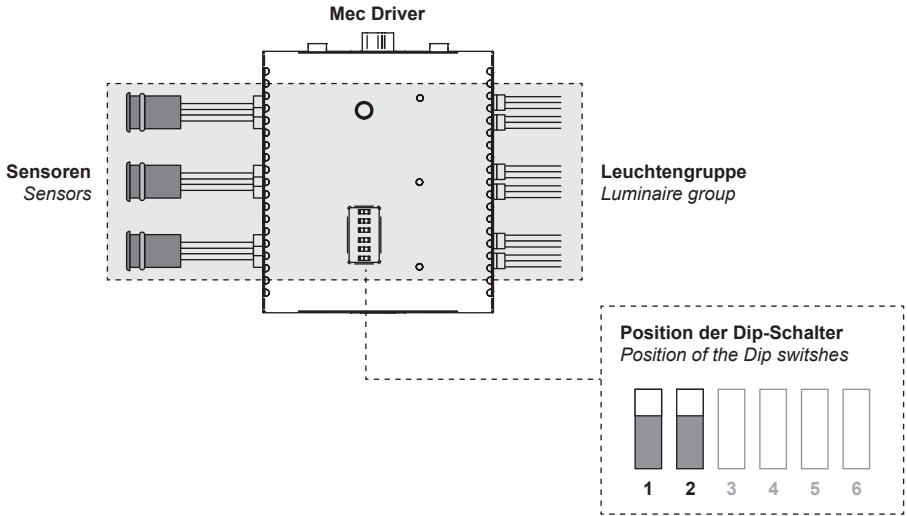


## Kreuzschaltung

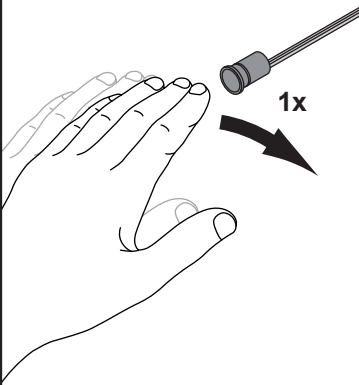
Alle Leuchtengruppen werden gemeinsam geschaltet. Jeder Sensor kann schalten und dimmen (Sensorabhängig).

### Cross circuit

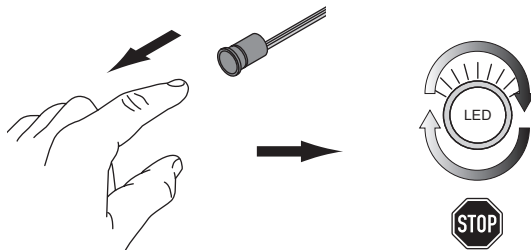
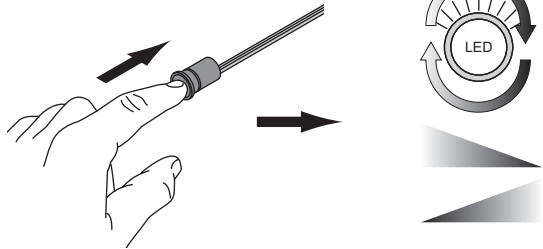
All luminaire groups are switched together. Each sensor can switch and dim (sensor-dependent).



**AN / AUS**  
ON / OFF



**Dimmen**  
Dimming

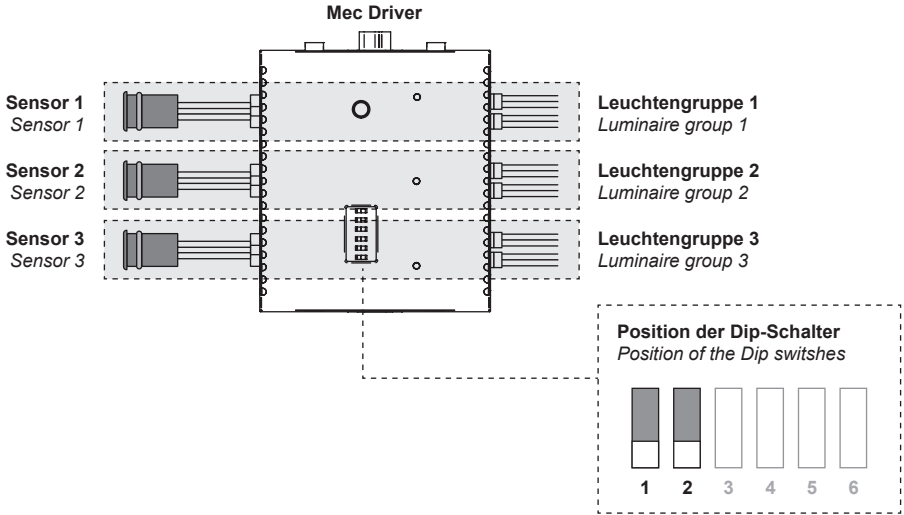


**Gruppenschaltung**

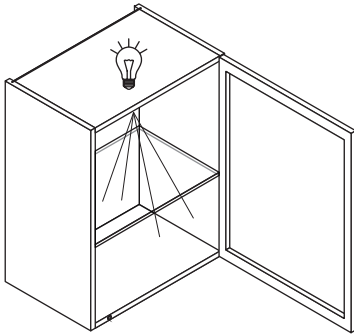
Jede Leuchtengruppe wird über den dazugehörigen Sensor geschaltet und gedimmt (Sensorabhängig).

*Group circuit*

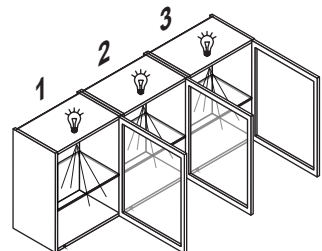
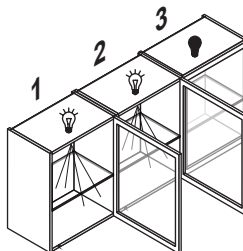
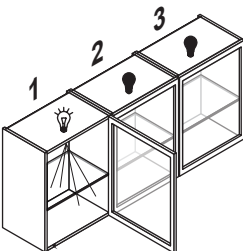
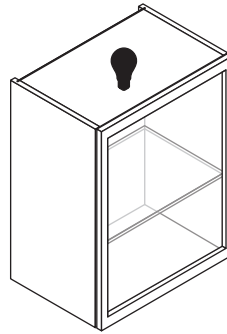
*Each luminaire group is switched and dimmed via the associated sensor (sensor-dependent).*



**AN**  
**ON**



**AUS**  
**OFF**



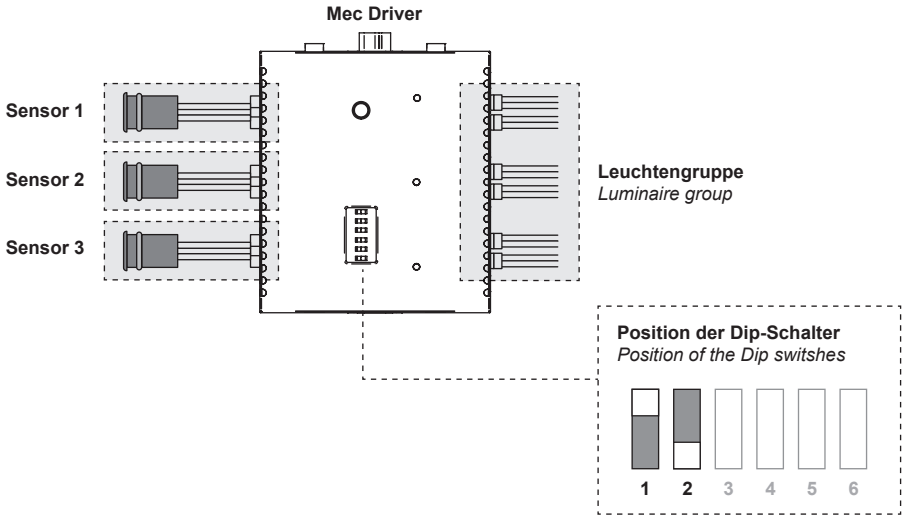
# Türkontaktschalter / Door contact switch

## Oderschaltung

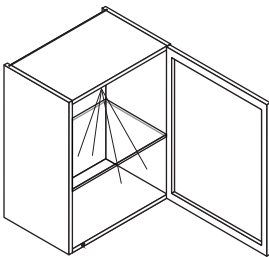
Alle Leuchtengruppen werden gemeinsam geschaltet, egal welcher Sensor betätigt wird.

### Or circuit

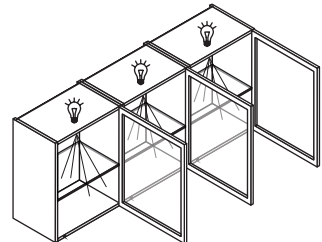
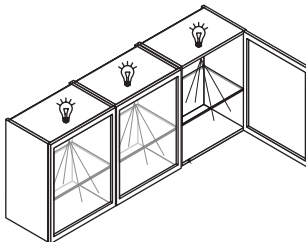
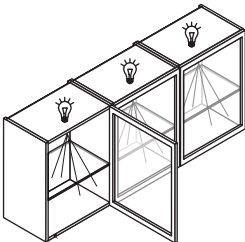
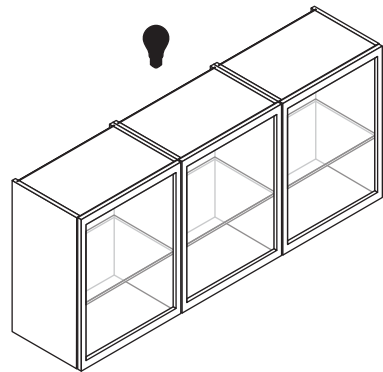
All luminaire groups are switched together, not depending on which sensor is actuated.



**AN / AUS**  
ON / OFF



**Dimmen**  
Dimming

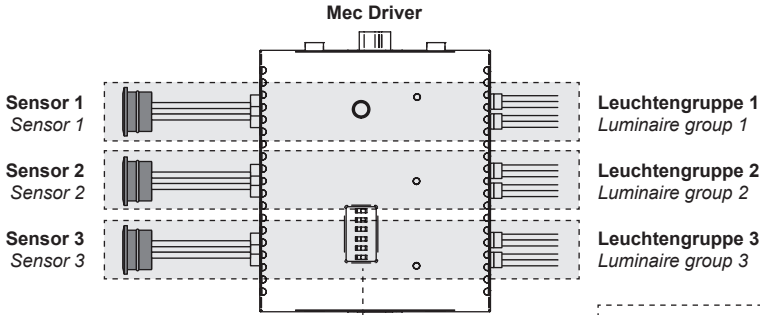


**Gruppenschaltung**

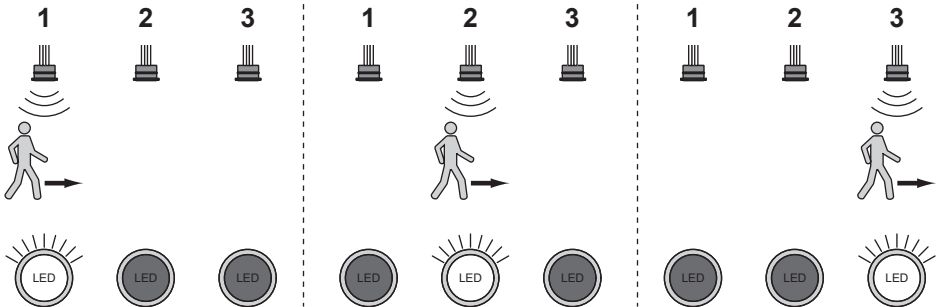
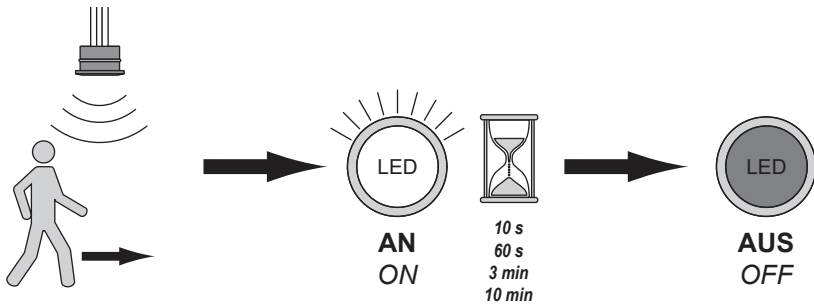
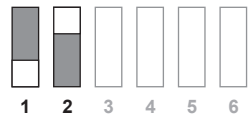
Jede Leuchtengruppe wird über den dazugehörigen Sensor geschaltet.

*Group circuit*

*Each luminaire group is switched via the associated sensor.*



**Position der Dip-Schalter**  
*Position of the Dip switches*



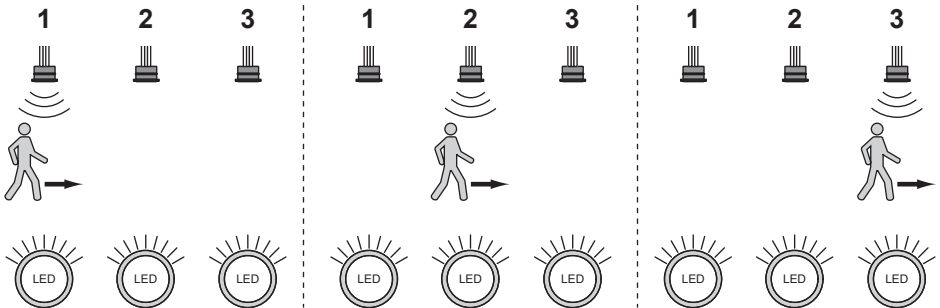
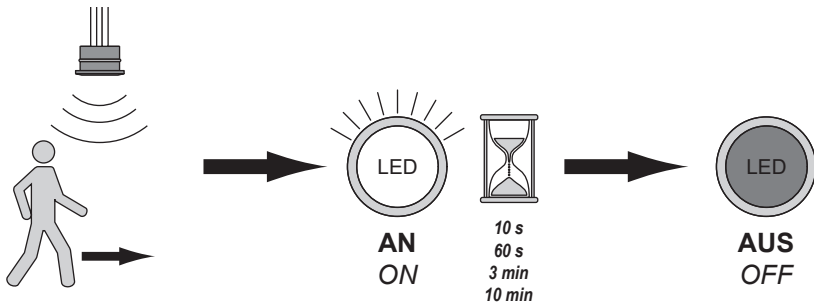
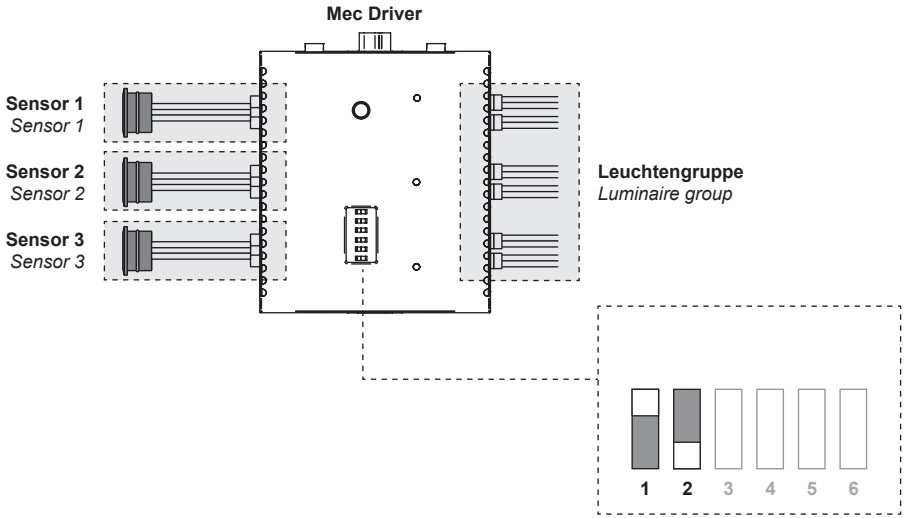
# Bewegungsmelder / Motion detector

## Oderschaltung

Alle Leuchtengruppen werden gemeinsam geschaltet, egal welcher Sensor betätigt wird.

### Or circuit

All luminaire groups are switched together, not depending on which sensor is actuated.

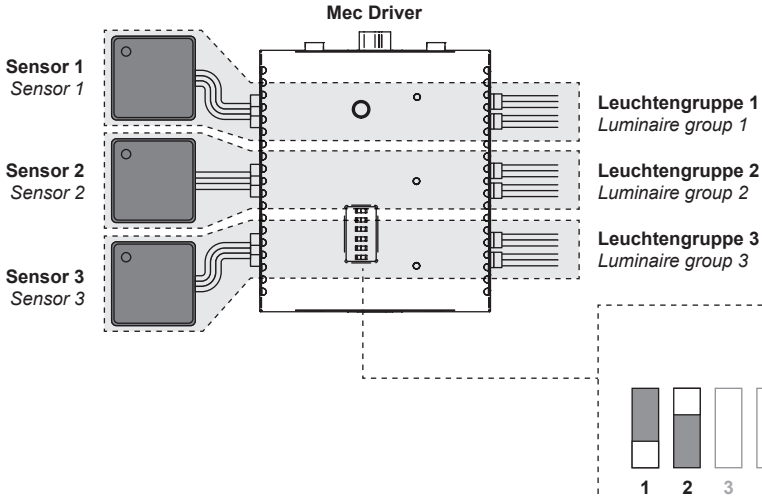


**Gruppenschaltung**

Jede Leuchtengruppe wird über den dazugehörigen Sensor geschaltet.

*Group circuit*

*Each luminaire group is switched via the associated sensor.*

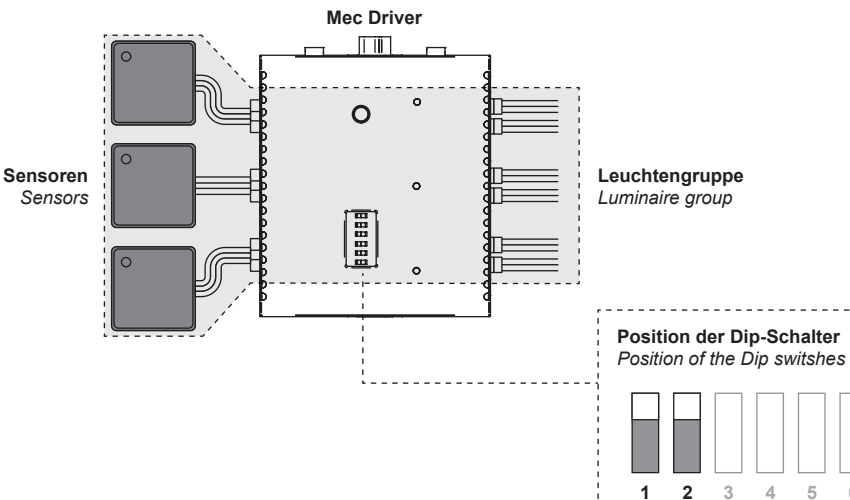


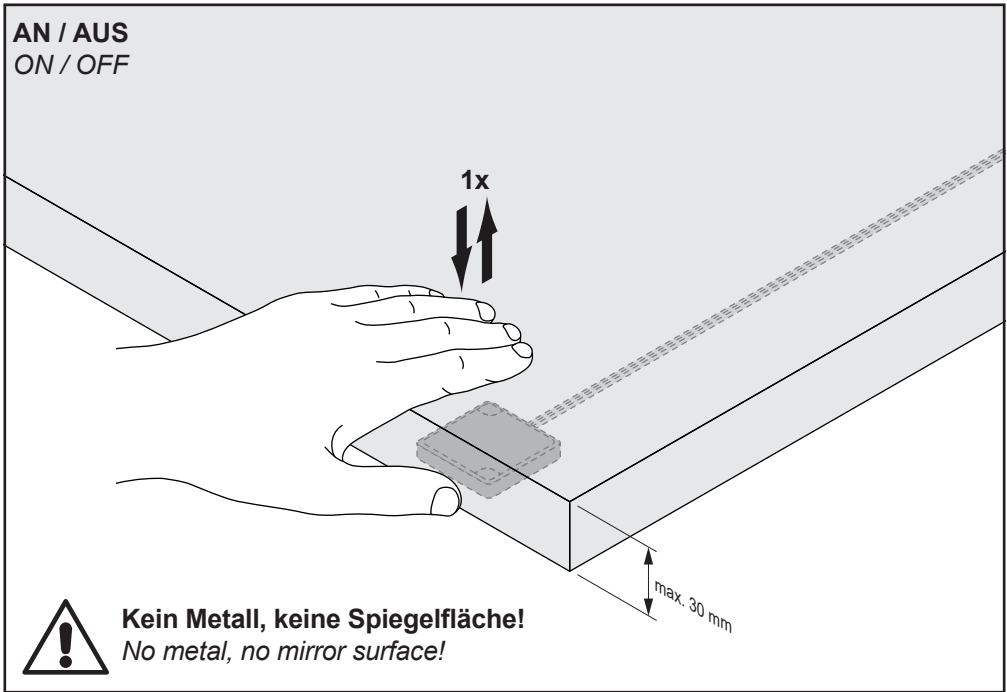
**Kreuzschaltung**

Alle Leuchtengruppen werden gemeinsam geschaltet. Jeder Sensor kann AN oder AUS schalten.

*Cross circuit*

*All luminaire groups are switched together. Each sensor can switch ON or OFF.*



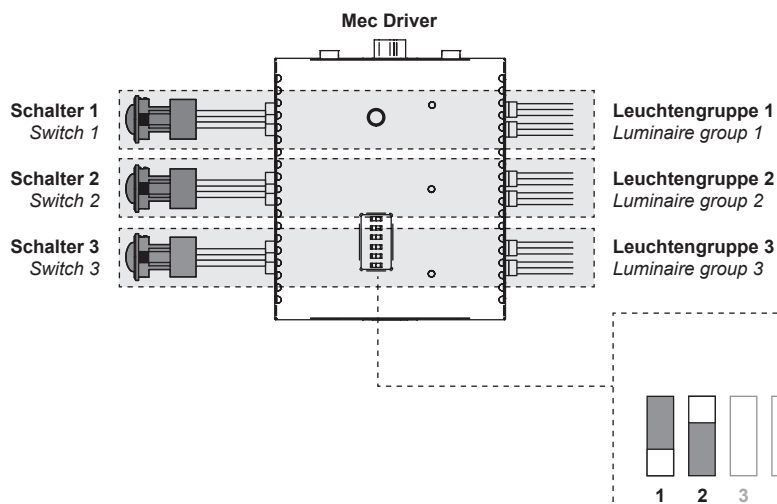


**Gruppenschaltung**

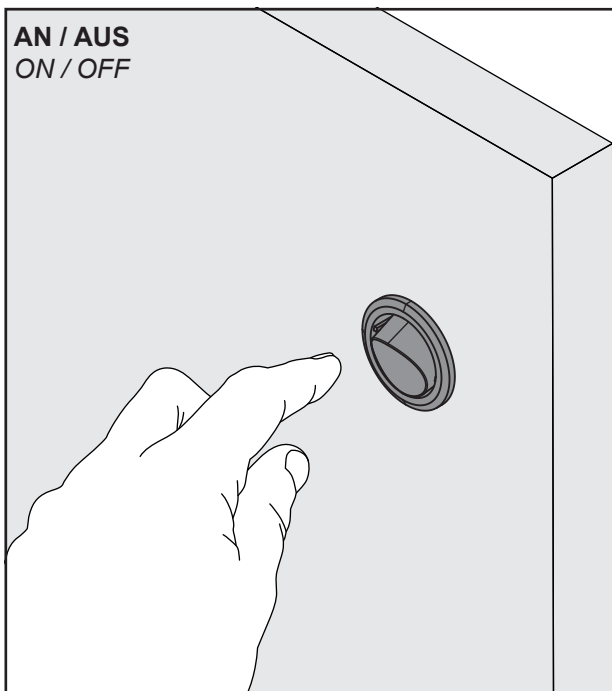
Jede Leuchtengruppe wird über den dazugehörigen Wippenschalter geschaltet.

**Group circuit**

Each luminaire group is switched via the associated rocker switch.



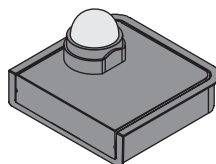
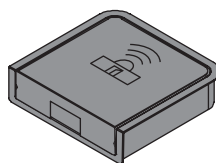
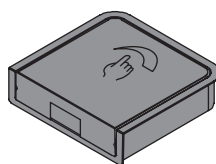
**AN / AUS**  
ON / OFF

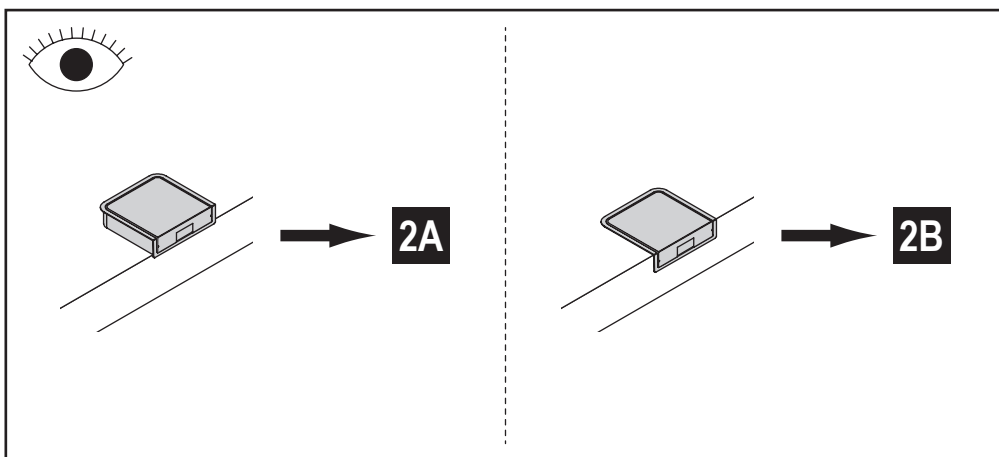
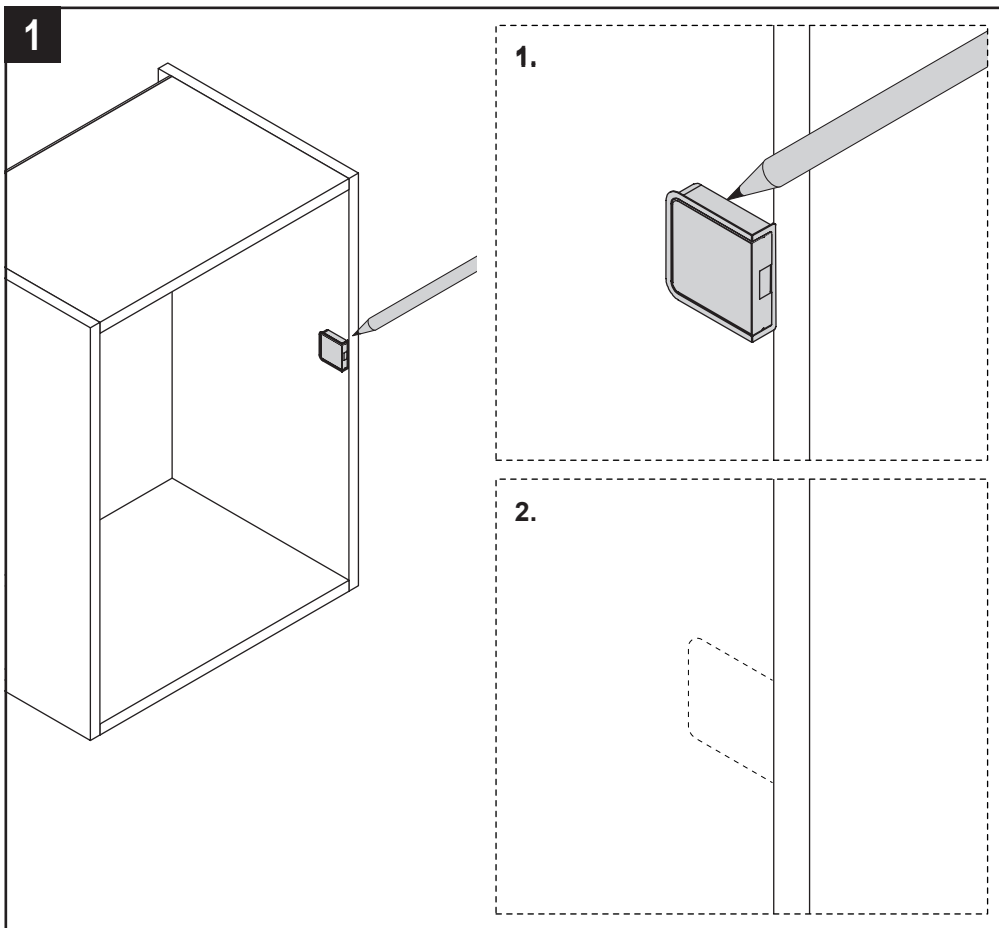


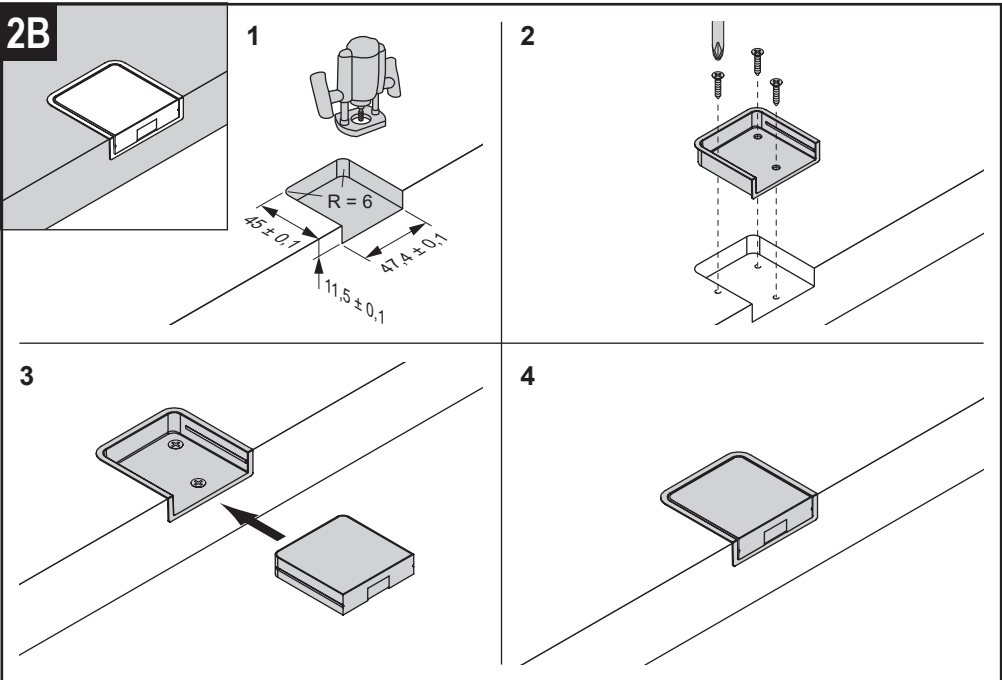
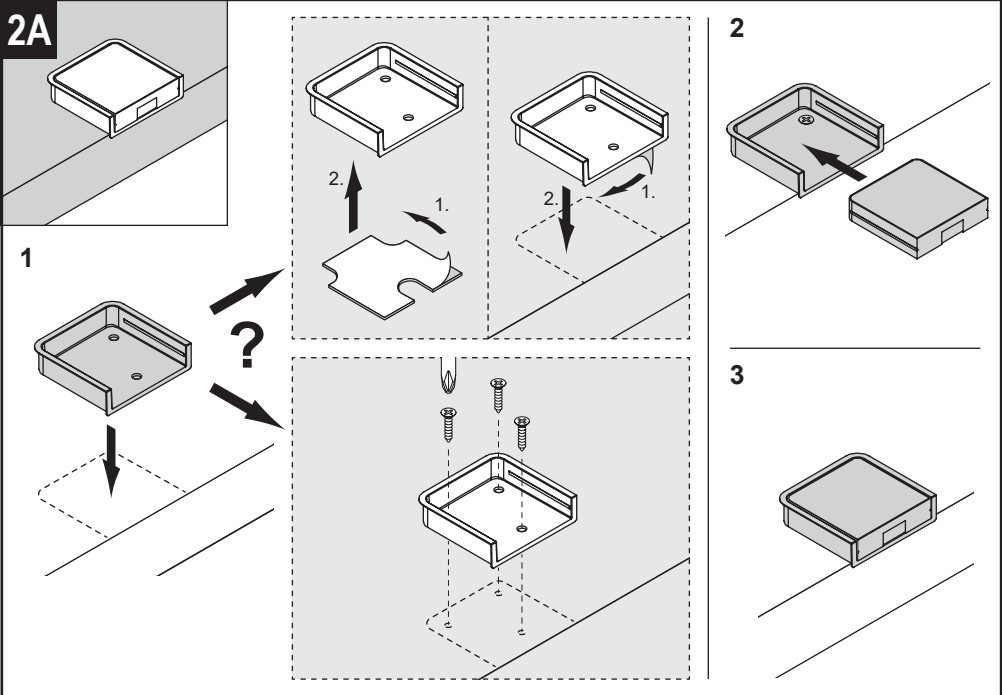


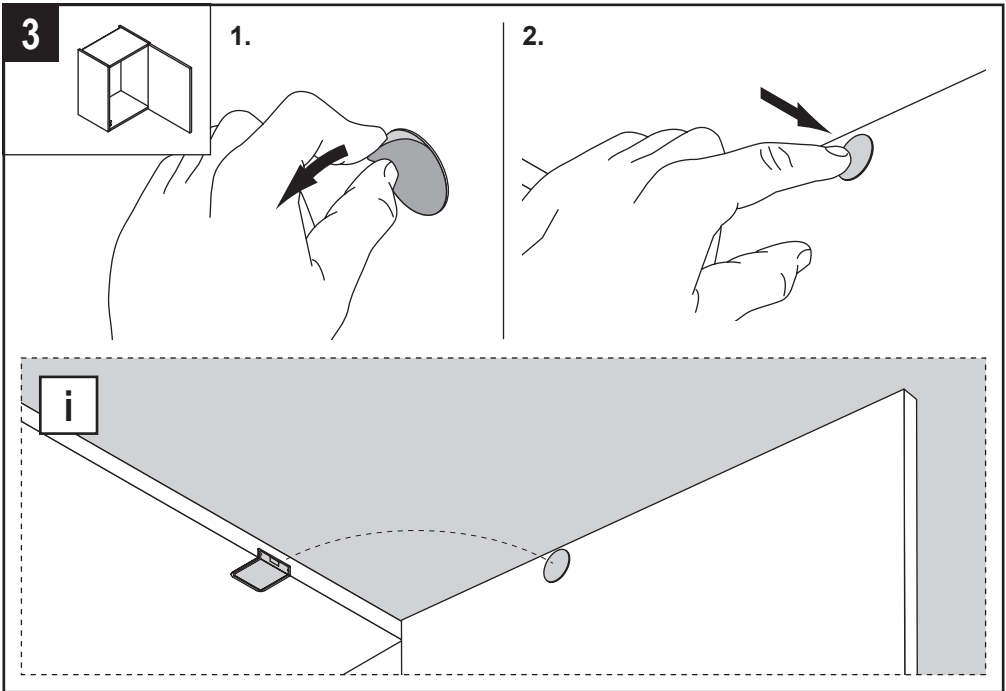
# Funksensoren

## *Wireless sensors*



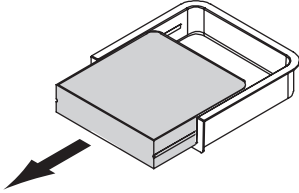






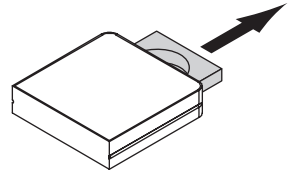
## 1 Sensor vorbereiten Prepare sensor

1.



Sensor aus der Montageschale ziehen.  
*Pull the sensor out of the mounting shell.*

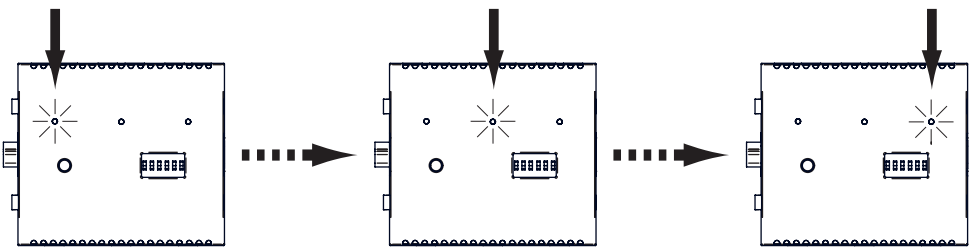
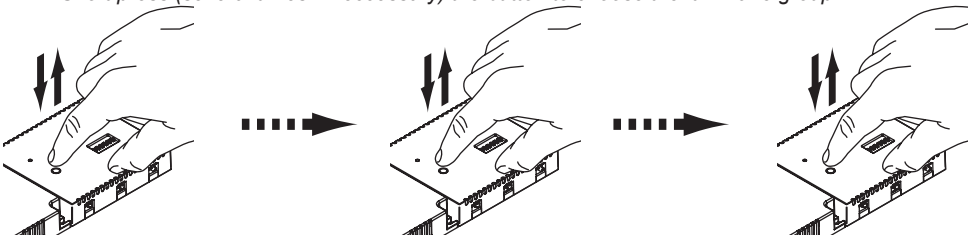
2.



Batteriefach öffnen.  
*Open the battery compartment.*

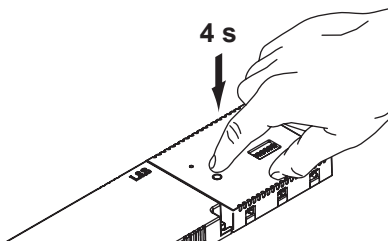
## 2 Leuchtengruppe wählen Choose luminaire group

Drücken Sie (ggf. mehrmals) kurz den Taster am Sensormodul, um die Leuchtengruppe zu wählen.  
*Short press (several times if necessary) the button to choose the luminaire group.*



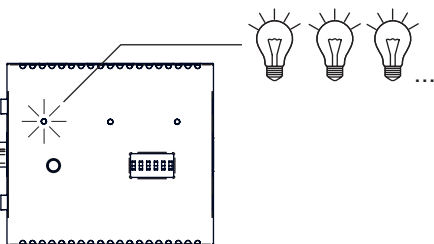
### 3 Anlernmodus aktivieren

*Activate teach-in mode*



Während die Status LED leuchtet drücken Sie den Taster für ca. 4 Sekunden.

*While the status LED is lit, press the button for approx. 4 seconds.*

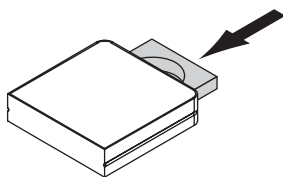


Die Status LED blinkt und das Sensormodul ist jetzt für ca. 20 Sekunden im Anlernmodus .

*The status LED flashes and the sensor module is now in teach-in mode for approx. 20 seconds.*

### 4 Sensor anlernen

*Teach-in sensor*



Schließen Sie das Batteriefach. Der Sensor ist nun angelehrt.

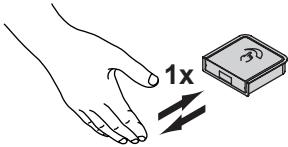
*Close the battery compartment. The sensor is now tuned in.*

#### i

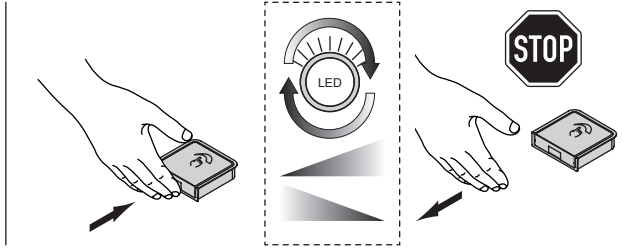
Ein Sensor kann an mehrere Leuchtengruppen angelehrt werden. Wiederholen Sie dafür den Anlernvorgang für die jeweilige Leuchtengruppe. Sie können auch verschiedene Sensoren an eine Leuchtengruppe anlernen.

*A sensor can be taught-in to several luminaire groups. To do this, repeat the teach-in procedure for the respective luminaire group. You can also teach different sensors to one luminaire group.*

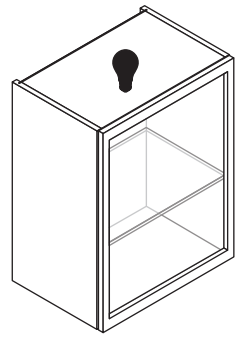
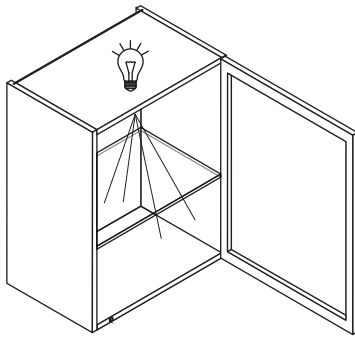
**IR Sensor**  
IR Sensor



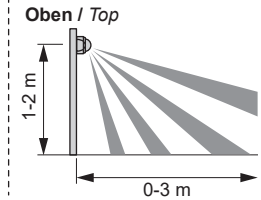
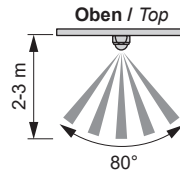
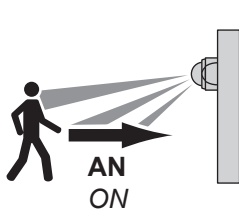
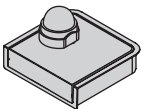
**AN / AUS**  
ON / OFF

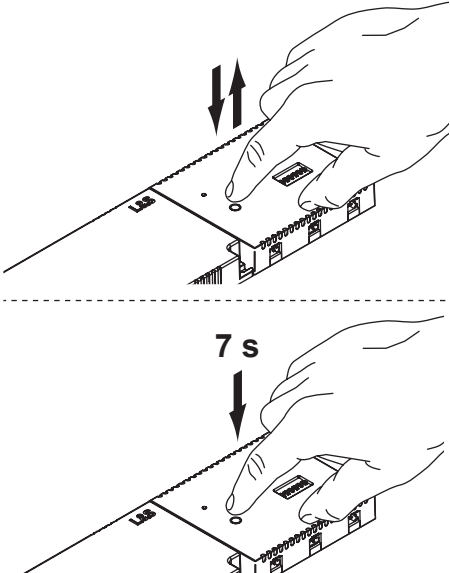


**Türkontaktsensor**  
Door contact sensor



**Bewegungsmelder**  
Motion detector



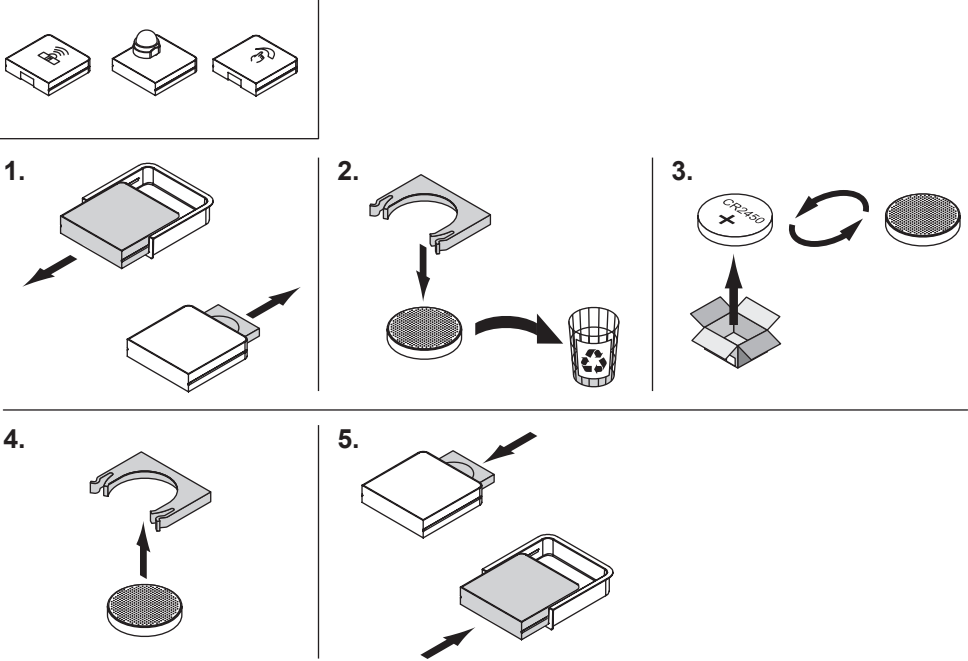


Drücken Sie (ggf. mehrmals) kurz den Taster am Sensormodul, um die Leuchtengruppe zu wählen.  
*Short press (several times if necessary) the button to choose the luminaire group.*

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Während die Status LED leuchtet, drücken Sie den Taster für ca. 7 Sekunden. Der Sensor ist jetzt getrennt.  
*While the status LED is lit, press the button for approx. 7 seconds. The sensor is now disconnected.*

**Batteriewechsel / Battery replacement**



1. Open the battery compartment cover.
2. Remove the old battery and dispose of it in a recycling bin.
3. Insert the new battery into the compartment.
4. Close the battery compartment cover.
5. Final assembly of the sensor module.