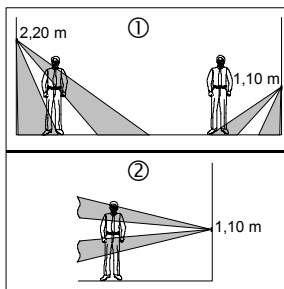


Automatic-switch (1,10m):	Standard attachment	Order No.: 0832 ..
	Comfort attachment	Order No.: 0833 ..
	System attachment	Order No.: 0842 ..
Automatic-switch (2,20m):	Standard attachment	Order No.: 0839 ..
	Comfort attachment	Order No.: 0838 ..
	System attachment	Order No.: 0848 ..

Function



Observers respond to colloidal movement caused by human beings, animals or objects and initiate switching operations. Observers remain operative as long as movements are detected; otherwise they will be switched off after elapse of a time delay.

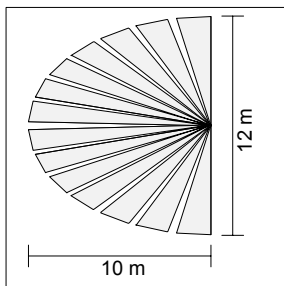
Observers consist of two components: a flush-mounting insert and an attachment.

The modular design attachments and inserts (suitable for 60 mm flush-type boxes) may be combined for interior applications.

Inserts to be installed at a height of 1.10 m or 2.20 m depending on the type of attachment lens involved.

- ① Lens for 2.20 m installation height
- ② Lens for 1.10 m installation height

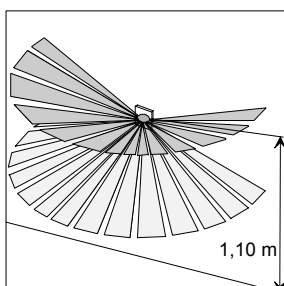
For connection of the inserts please refer to section "Inserts" in the Operating Instructions.



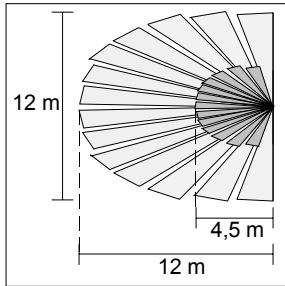
Lens for 1.10 m installation height

Size of detection range: 10 m x 12 m

Details refer to an installation height of 1.10 m.



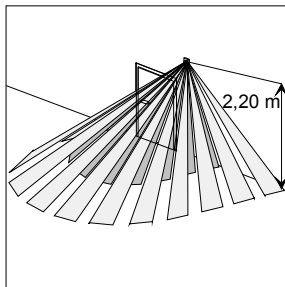
The rated detection range may vary as a function of different installation heights.



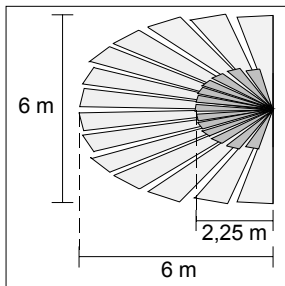
Lens for 2.20 m installation height

Detection range in case of 2,20 m installation height:
12 m x 12 m

Details refer to an installation height of 2,20 m.



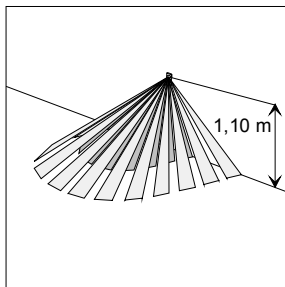
The rated detection range may vary as a function of different installation heights



Attachment lens type for 2.20 m installation height

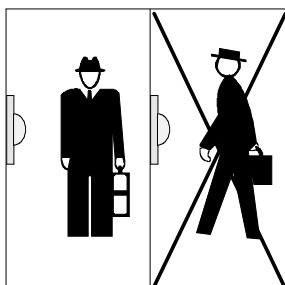
Detection range in case of 1.10 m installation height:
6 m x 6 m

Details refer to an installation height of 1,10 m.



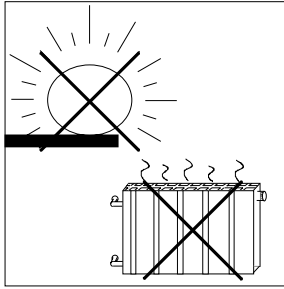
The rated detection range may vary as a function of different installation heights.

If small animals such as dogs or cats are not to be detected, use an attachment lens type for 1.10 m installation height.




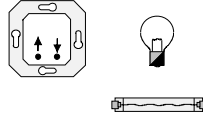
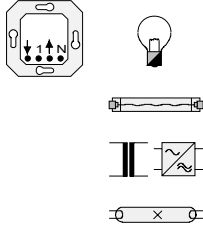


For achieving the optimal detection range, install observers laterally of the direction of walking.

Otherwise, a smaller detection range must be anticipated.

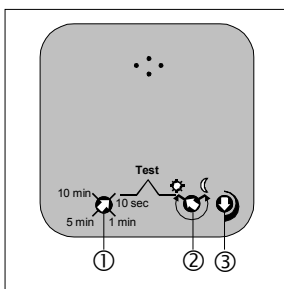


Avoid interference sources e.g. lamps or heaters within the detection range of observers.
(See note "Use of slip-fit apertures")

Do not align sensor in the direction of sunlight. The sensors may become destroyed by the high thermal energy.

Observer		Insertion with Triac	Insertion with relay contact	Extension insertion	System insertion
					
Stand. Attachment	1,10 m 2,20 m	●	●		
Comfort attachment	1,10 m 2,20 m	●	●		
System attachment	1,10 m 2,20 m			○	○

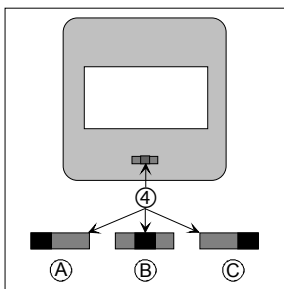
- marked with red dot
- marked with blue dot



Settings

Comfort attachment (see illustration)

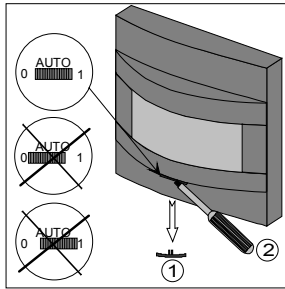
- ① Startup time: approx. 10 secs to 10 mins
reduction of the detection range of device
- ② Threshold value of brightness sensor:
Infinitely variable from approx. 3 to approx. 80 Lux
Sun symbol: Daylight operation
- ③ Sensitivity: approx. 100 % - 20 %
- ④ Operating mode: OFF/Automatic/ON



Settings of operating mode switch:

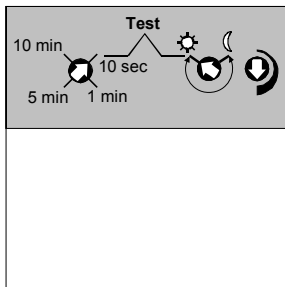
- A) Observer switched OFF.
- B) Observer in AUTOMATIC mode: Movements are detected and analyzed.
- C) Observer switched ON (steady light)

This attachment is marked with a red dot and suitable for operation with inserts having the same colour code.



Adjusting the operation mode switch to automatic position:

- Set operation mode switch on 'AUTO'.
- Remove carefully operation mode slide ① by means of a suitable screw driver ②.
- Place in attached locking clip.



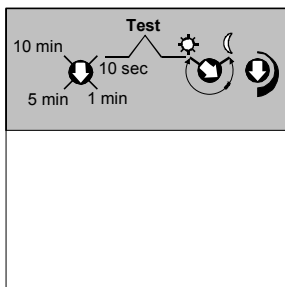
Testing function of comfort attachment

Set operation mode switch on automatic

Choose for function test:

Time setting: approx. 10 sec.
 Brightness setting: day operation
 Sensitivity: 100%

Function test by scanning the detection range.



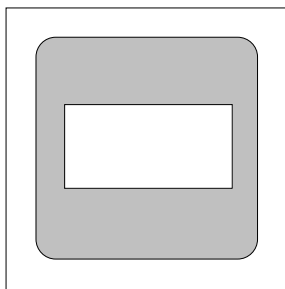
Recommended setting for activating at twilight

Set operation mode switch on automatic.

For recommended setting, please see diagram

Time setting: approx. 1-5 Min.
 Brightness setting: twilight operation
 Sensitivity: 100%

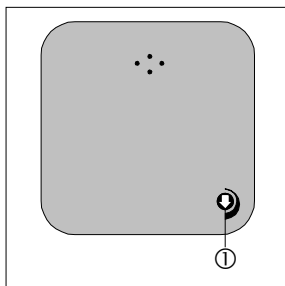
(locate individual setting)



Standard attachment

Operation duration: approx. 2 Min. fixed
 Threshold level of brightness sensor: approx. 10 lx fixed

This attachment is being marked with a red dot and suitable for operation with insertions of the same marking



System attachment

Setting (rear side of device)

- ① Sensitivity: approx. 100 % - 20 %
 reduction of the detection range of device.

Kombination system attachment with system insertion:

Operation duration and threshold level of brightness sensor are being arranged by the system power booster (AP, REG 1way, REG 2way)

Combination system attachment with extension insertion:

Operation duration and threshold level of brightness sensor are being arranged by attachment of insertion with relay contact.

This attachment is marked with a blue dot and suitable for operation with insertions of the same marking.

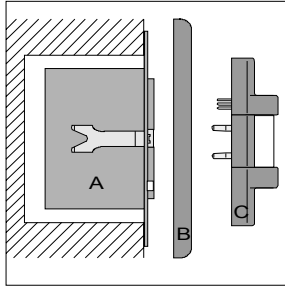
Indications of danger

Attention: Installation of electrical devices may only be carried out by a skilled person.

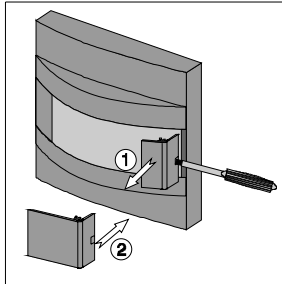
Device is **not suitable for switching free of mains.**

Installation

Only attachments and insertions of the same coloured marking are suitable for joint operation.



Frame (B) and sensor part (C) are to be attached to the insertion (A). If necessary, slip-on aperture might be attached.
(For description of insertions please see separate manual.)



Application of slip-on aperture

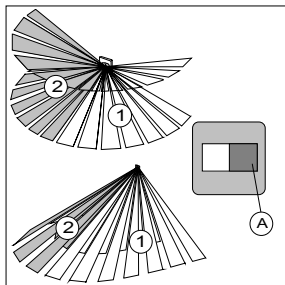
Attached slip-on aperture may eliminate sources of interference by means of limitation of the detection field.

The aperture can cover either the left or right half of the detection field (90° each).

① remove lateral cover with screw driver.

② snap of 90° aperture.

Cutting the aperture to a smaller angle may cause malfunction.

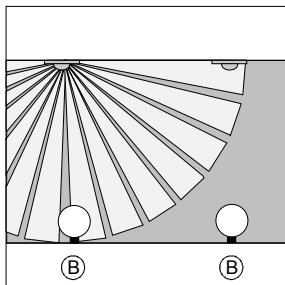


Detection field with attached aperture (A)

① gated (covered) area

② detected area

If observer has switched off, expect a time delay of approx. 3 sec (locking time) for reswitching-on



Note

Though lighting (B) is switched off device may be reswitched-on by detection of lamps (cooling down means different temperature), by reflexion of heat radiation from lighting or by close spacing between observer and light fitting.

In this case attach comfort attachment and lower sensitivity (please see chapter settings, regulator ③).

Technical Data

Detection angle: 180°
Rated voltage: Power supply via insert
Type of protection: IP 20

	Attachments with lens for	
	1.1 m installation height	2.2 m installation height
Nominal range, front:	10 m	12 m
Nominal range, lateral:	2 x 6 m	2 x 6 m
Installation height for nominal range:	1,10 m	2,20 m
Number of lenses / lens levels:	18 / 2	18 / 2

Standard attachment:

Einschaltdauer: ca. 2 Minuten
Schwellwert des Helligkeitsfühlers: ca. 10 Lux

Comfort attachment:

Startup time: approx. 10 secs - 10 mins
Threshold value of brightness sensor: approx. 3-80 Lux + daylight operation
Sensitivity: approx. 100 % - 20 %

System attachment:

Sensitivity: approx. 100 % - 20 %
Starting period and brightness threshold value will be determined by other system components.

Acceptance of guarantee

We accept the guarantee in accordance with the corresponding legal provisions.

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

Gira
Giersiepen GmbH & Co. KG
Service Center
Dahlienstrasse 12
D-42477 Radevormwald



The CE sign is a free trade sign addressed exclusively to the authorities and does not include any warranty of any properties.

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