vexen electric PF-360-10-1BBi Presence Detector Instructions

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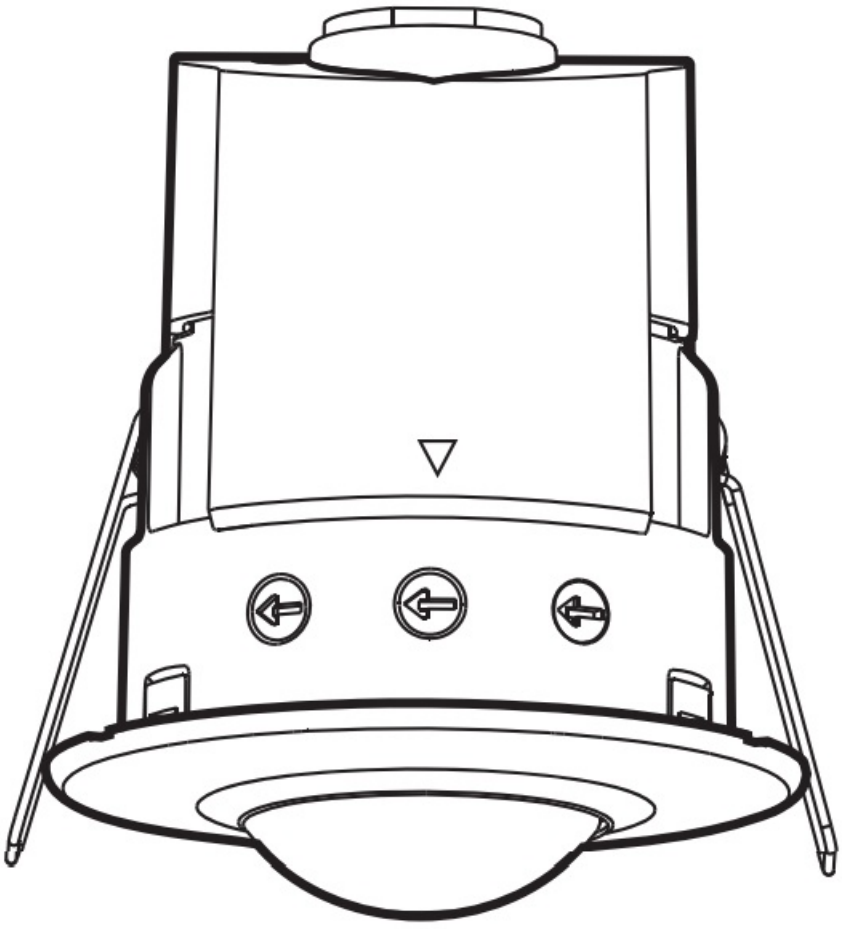
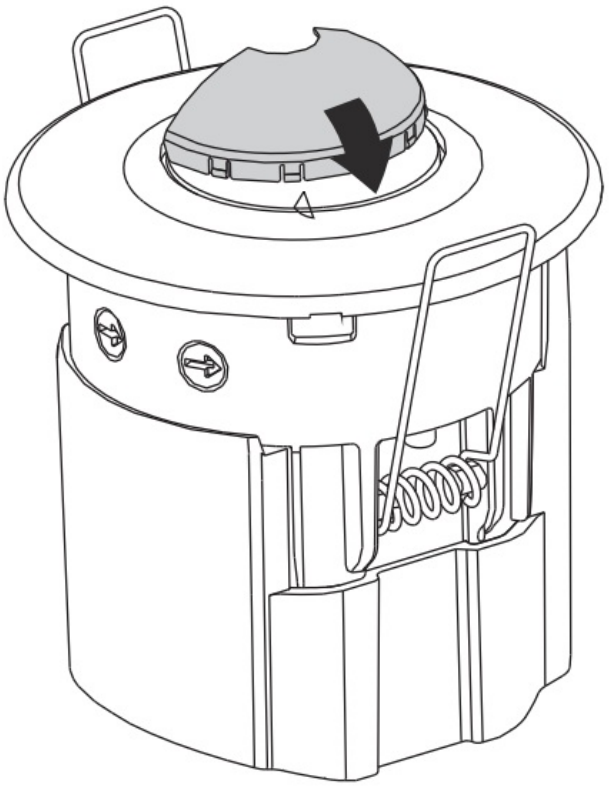
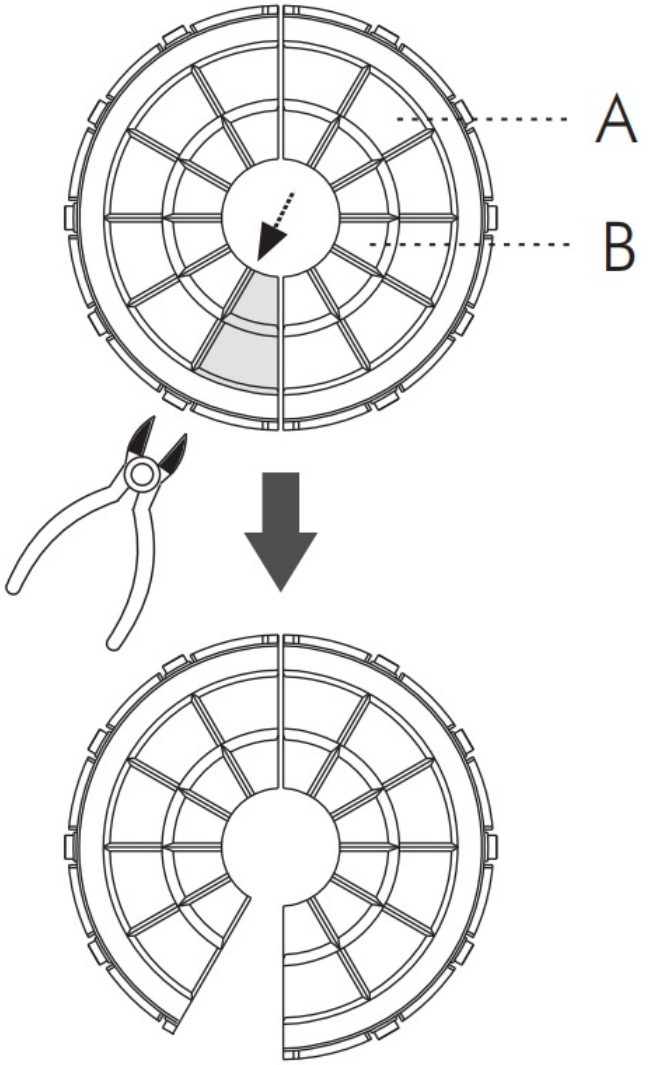


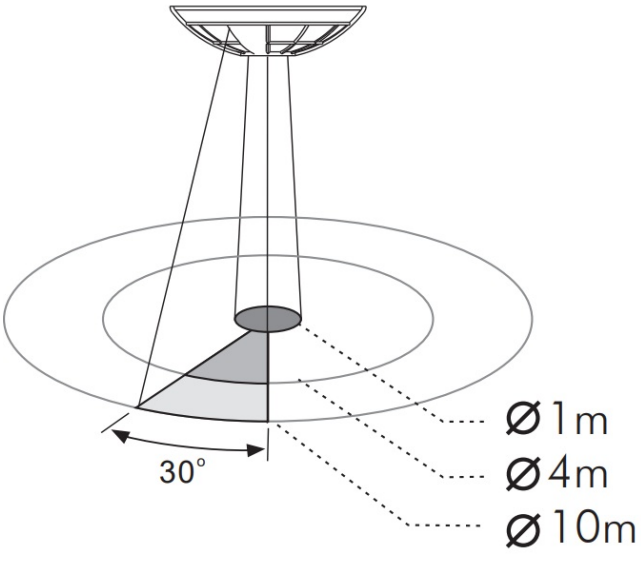
Presence detector
PF-360-10-1BBi

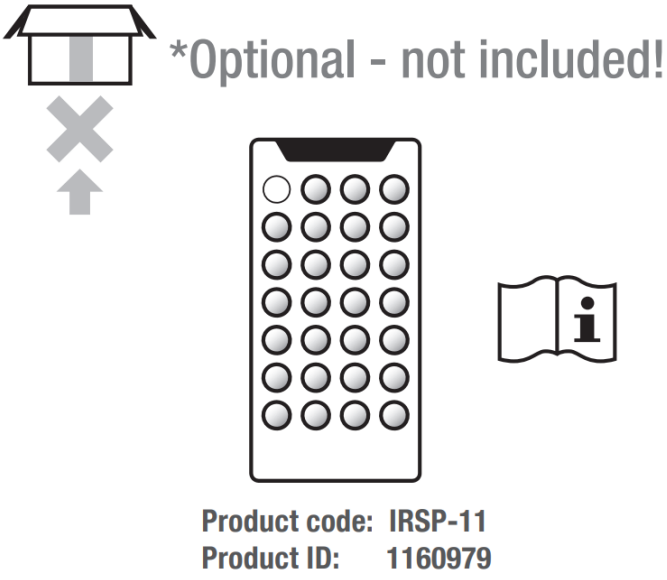
Contents

PF-360-10-1BBi Presence Detector









Product code: IRSP-11
Product ID: 1160979

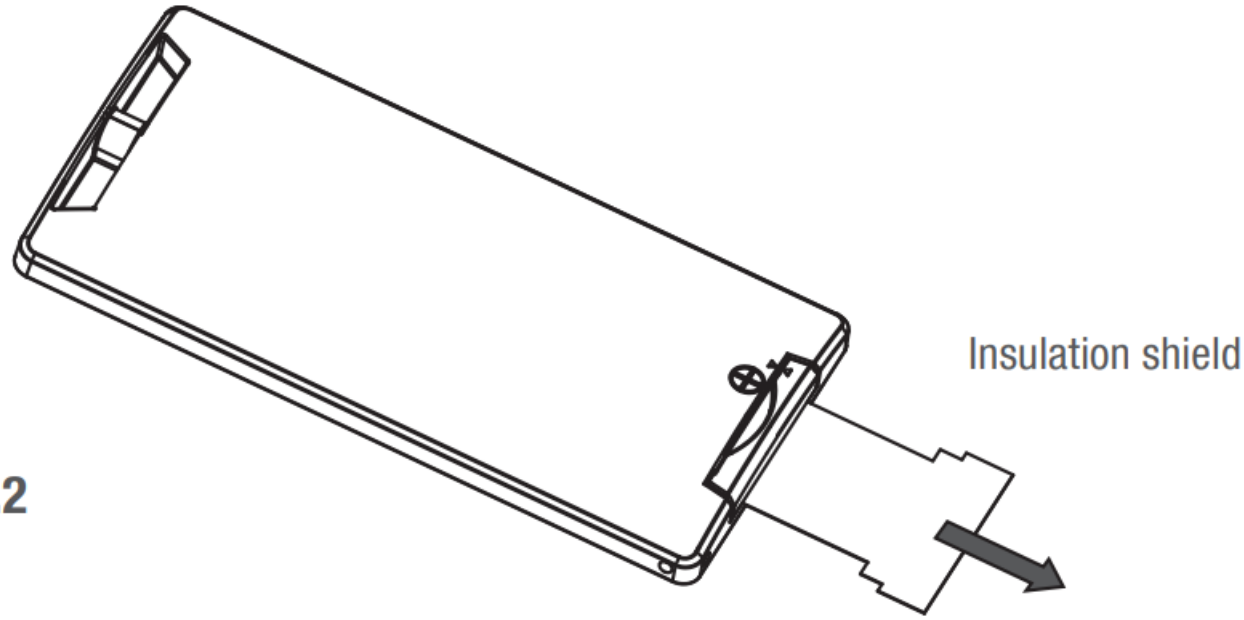


fig.2

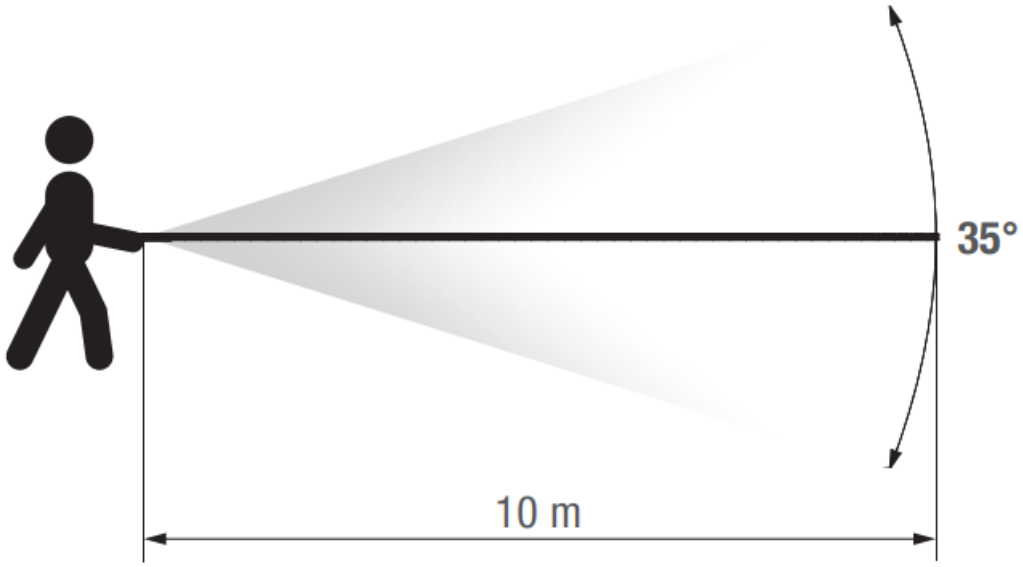


fig.3

More information on our web page:
Operating instructions

Safety instructions

WARNING Life-threatening danger from electric shock!

Should only be installed by a professional electrician!

- To avoid injury, the device should only be connected and installed by a professional electrician.
- Before installing the product, turn off the main power supply.
- Before installing the device, install a circuit breaker (250 V AC, 10 A) type C as specified by EN 60898-1.
- When some types of lamps burn out, it can cause the switch-on current to be high which can permanently damage the detector.
- Follow national regulations and safety instructions.

- All warranties and conditions expire if the device is altered or manipulated in any way.
  Follow these instructions to ensure proper and safe functioning of this device.

Information about the device

Description

The presence detector uses passive infrared sensors (PIR sensors). It regulates the connected loads according to whether persons are present (movement detection) and according to the ambient brightness. The built-in light sensor continuously measures the strength of daylight and the system compares this against the set lux value.

- The light remains switched on for as long as movement and insufficient daylight are detected.
- After the last movement is detected, the lighting remains switched on for the set run-on time.
- The lighting switches off automatically as soon as sufficient ambient brightness is reached, even if movement is detected during this time.

Intended use

- Suitable for automatic lighting control with presence detection.
- The presence detector can be used inside buildings such as offices, class-rooms, working areas or meeting rooms, hotel rooms or sport halls.
- Suitable for ceiling insulation (flush-mounted installation).

Technical data

Dimensions (mm)	Ø 75 x 83
Supply voltage Switching capacity	210-250V 50/60HZ
– Incandescent lamp load	max. 2000 W
– Halogen lamp load (AC)	max. 1000 W
– Halogen lamp load (LV)	max. 1000 VA / 600 W (conventional) max. 1000 VA / 900 W (electronic)
– Fluorescent lamp load	max.900VA/100µF 25 x (1 x 18 W); 12 x (2 x 18 W); 15 x (1 x 36 W); 7 x (2 x 36 W); 10 x (1 x 58 W); 5 x (2 x 58 W); max. 1000VA / 600W
– LED lamp	max. 400 W
– Energy-saving lamp	max. 600 VA / 400 W (incl. CFL and PL lamp)
Energy consumption	< 1 W (in standby mode)
Detection angle	360°
Detection range	approx. 10 m at an installation height of 2.5 m
Time setting	approx. 5 sec. to 30 min.; 1s ; Test
Light level	approx. 10 – (∞) Lux; = “teach”
Ambient temperature	0° C … + 45° C
Protection class	II
Protection type	IP44

Installation and assembly

Dimensions (FIG. 1)
Location/installation (FIG. 2)

- Do not install the presence detector close to
  — sources of heat, fan heaters, air conditioning or other devices that can interfere with the sensor).
  — Objects with shiny surfaces (such as mirrors)
  — Objects that can be moved by the wind (such as curtains, large plants)
- Keep out of direct sunlight.
- The recommended installation height is 2.5 m.
- The distance between the sensor and the seated person should be about 1 m. This ensures the greatest detection reliability.

Connection layout (FIG. 3)

⚠ Life-threatening danger from electric shock! Should only be installed by a professional electrician!
FIG. 3A A lighting device is controlled by a presence detector.
FIG. 3B The lighting device is turned on for an adjustable time either by the presence detector or the stair timed light switch. The “TIME” knob needs to be set atfq.
(a) = button (N.O. type),
(b) = lighting device (light),
(c) = stair timed light switch

- It may be necessary to use a fuse in the case of noise filters (such as relays, contactors, quenching circuit).
- A maximum of six units can be parallel-connected.

Installation (FIG. 4)
NOTE: Disconnect the power and secure against being accidentally turned on! For the procedure, see fig. 4.
On-wall mounting (FIG. 5)
The presence detector can be mounted on the wall using the VSMB11 on-wall box.

Adjusting and Setting

Adjusting knobs (FIG. 6)
Light level LUX (**A**)
Use the “LUX” knob to set the level of ambient light.
On TIME (**B**)
Use the “TIME” knob to set the length of time after which the lighting device turns off after motion is detected.

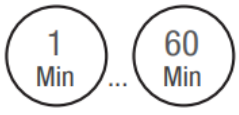
Save light level (. mode)
In order to save a desired light level (10 – 2000 Lux), proceed as follows:

1. Set the “LUX” knob to the “ ” position when the ambient brightness corresponds to the desired level of light.
2. If the knob is already at the “ ” position, turn it to another position (such as “100”) for approx. 3 seconds, and then turn it back to the “ ” position.
   ▷ This turns off the connected lighting device.
   ▷ The LED on the presence detector starts to flash slowly (training mode active).
3. It takes about 25 seconds to save the light level.
   ▷ If training has been successful, the lighting device and the LED turn on for 5 seconds, or the LED flashes for 5 seconds and the lighting device is OFF.
   ▷ The presence detector switches back to automatic mode (the LED and lighting device are turned off).

Operating manual
IRSP-11 – service remote control* General

- IRSP-11 is a service remote control for commissioning and flexible adjustment of individual parameters. It is suitable for the following presence detectors: – SENSA PRO
- Interventions in and modifications to the device shall result in loss of warranty and guarantee.
- Read and observe this manual in order to ensure trouble-free functioning of the device and safe work.

Commissioning
Before using the product, remove the protective foil between the battery and the contact (Fig. 2).
Button functions

	Switching on the lighting device for 8 hours (CH1)
	Switching off the lighting device for 8 hours (CH1)
	Locking the buttons
	Unlocking the buttons
	Switching between automatic mode/semi-automatic mode
	Reset (resets presence detector to potentiometers' settings)
	Saving and duplicating settings
	Setting the light sensor value (LUX) (10 – 2000 Lux)
	Saving the current light sensor value
	Setting the set on period (TIME1)  Setting the set on period (TIME2)
	Pulse mode CH1/CH2
	Test mode

Menu sequence

1. Unlock the IR receiver.
   The LED on the IR receiver flashes twice.
2. Select the channel.
3. Make the desired settings.

4. Lock the IR receiver.

   The LED on the IR receiver lights up for two seconds.

If no button is pressed for 5 min., the menu sequence is terminated and the IR receiver is locked again.

Technical data

Battery Transmission range 10 m (Fig. 3) Transmission angle Ambient temperature

Battery	3 VDC lithium CR2032
Transmission range	10 m (Fig. 3)
Transmission angle	35° (Fig. 3)
Ambient temperature	0°C … +45°C

FIG. 1

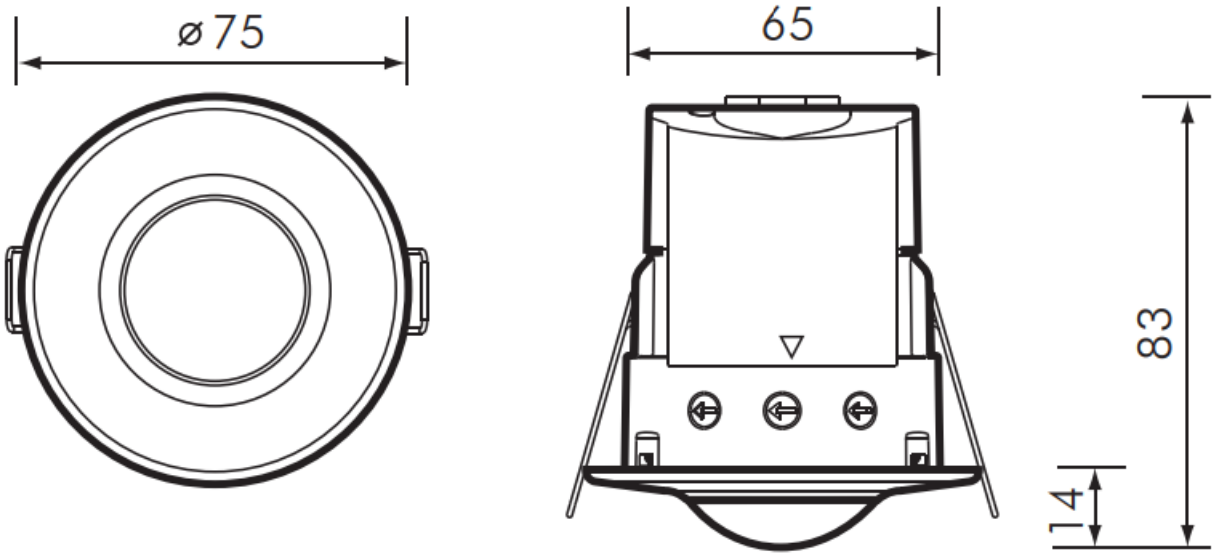
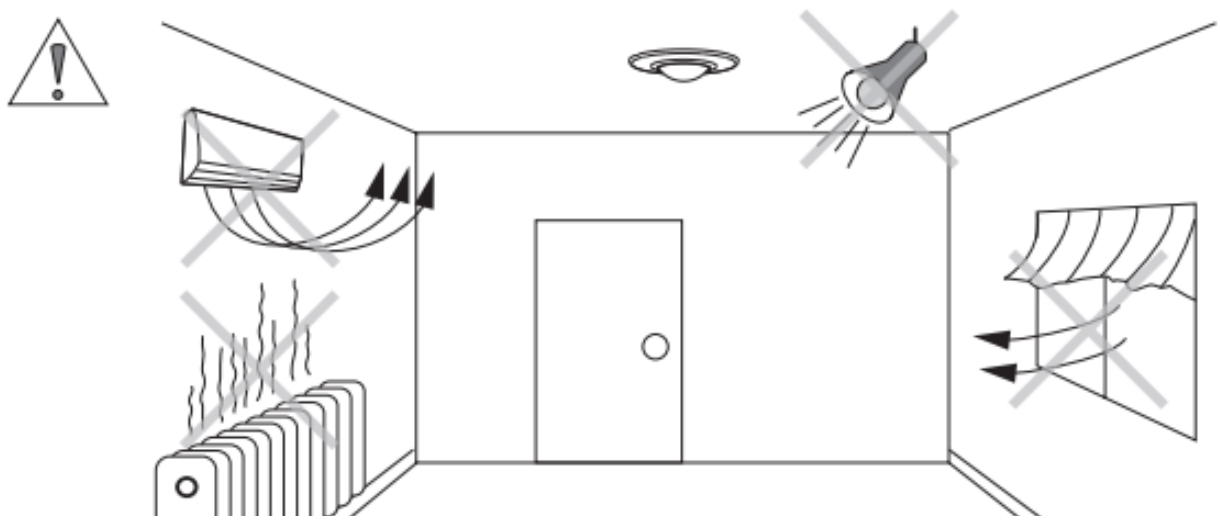
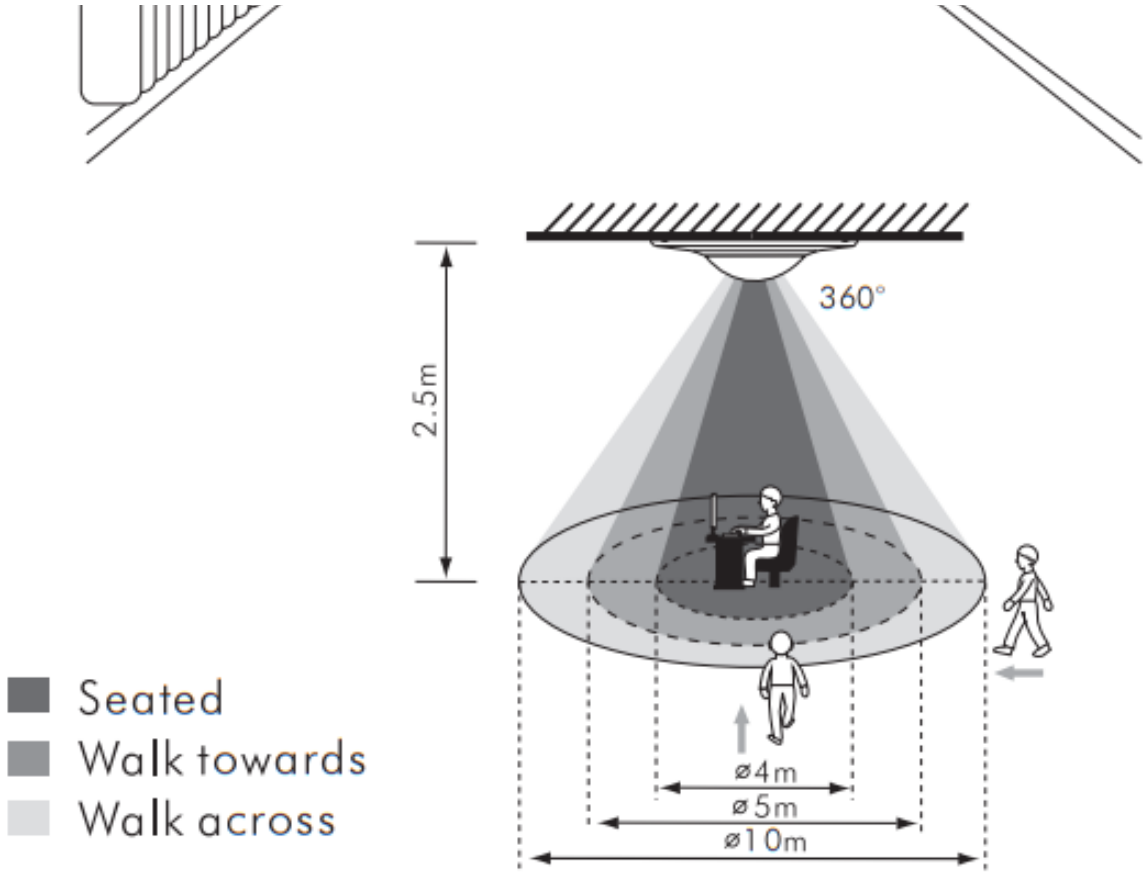
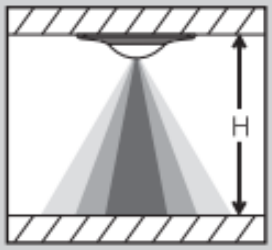
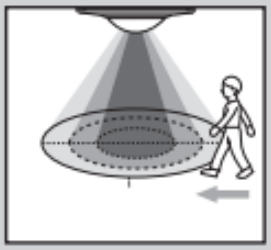


FIG. 2

FIG. 2A





Height	Walk across	Walk towards	Seated
			
2.0m	ø 8m	ø 4m	ø 4m
2.5m	ø10m	ø 5m	ø 4m
3.0m	ø12m	ø 5m	ø 4m

Measured according to EN/IEC63180

FIG. 3

FIG. 3A

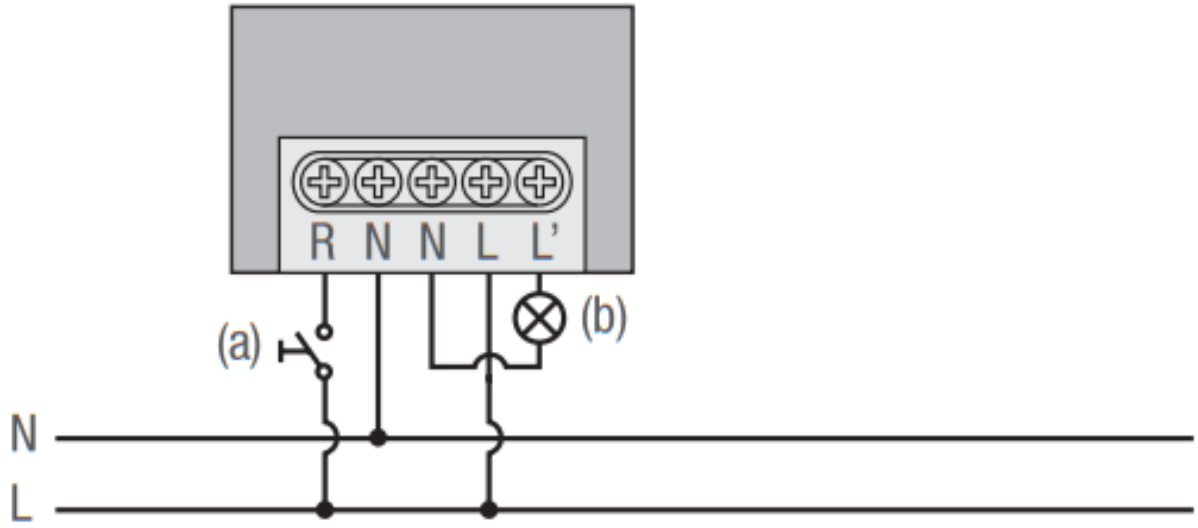


FIG. 3B

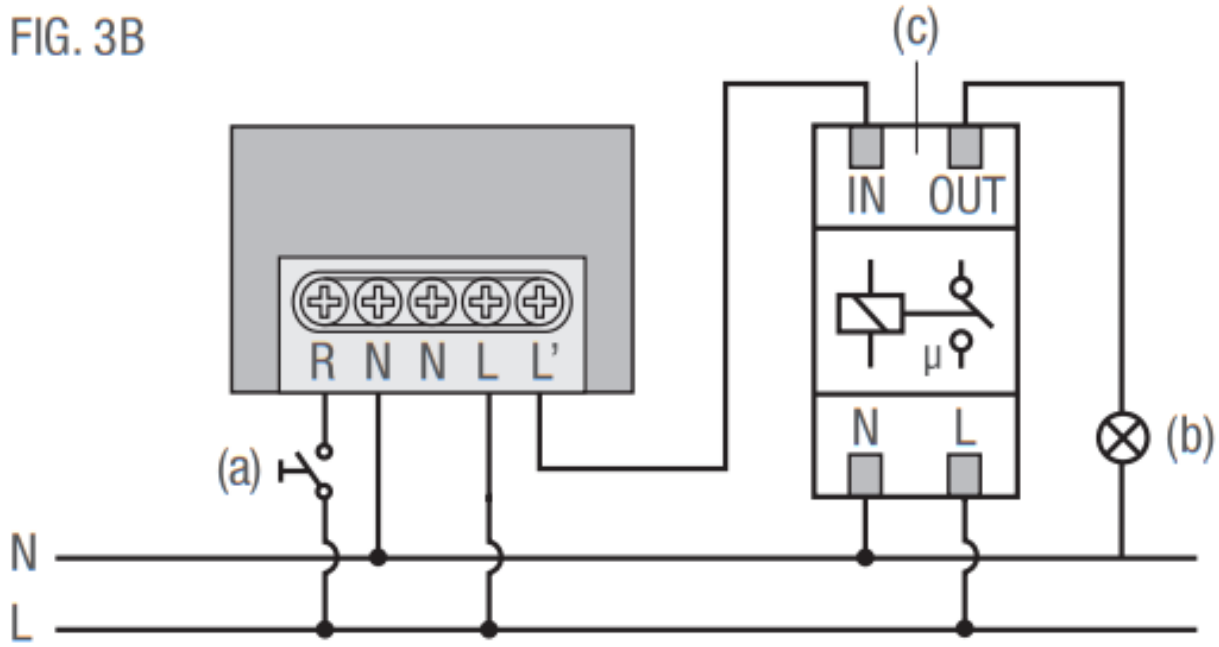


FIG. 4

FIG. 4A

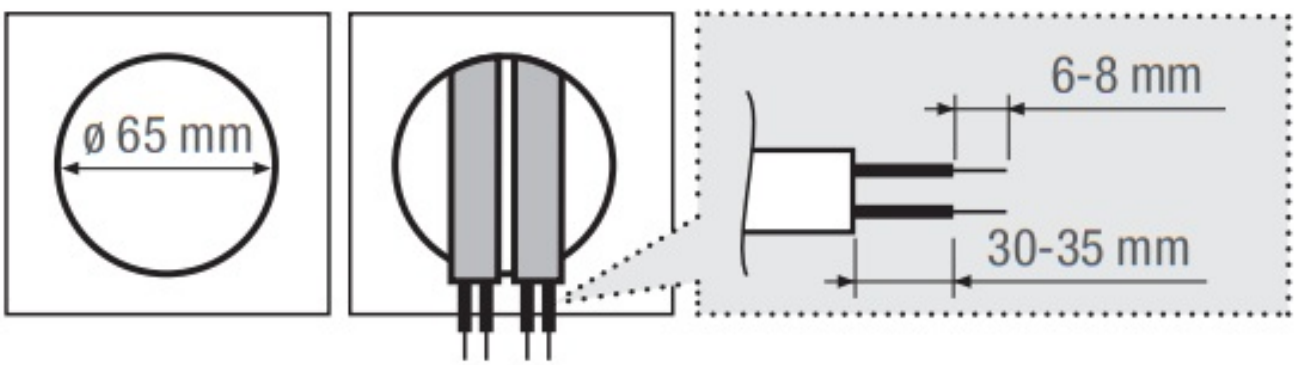


FIG. 4B

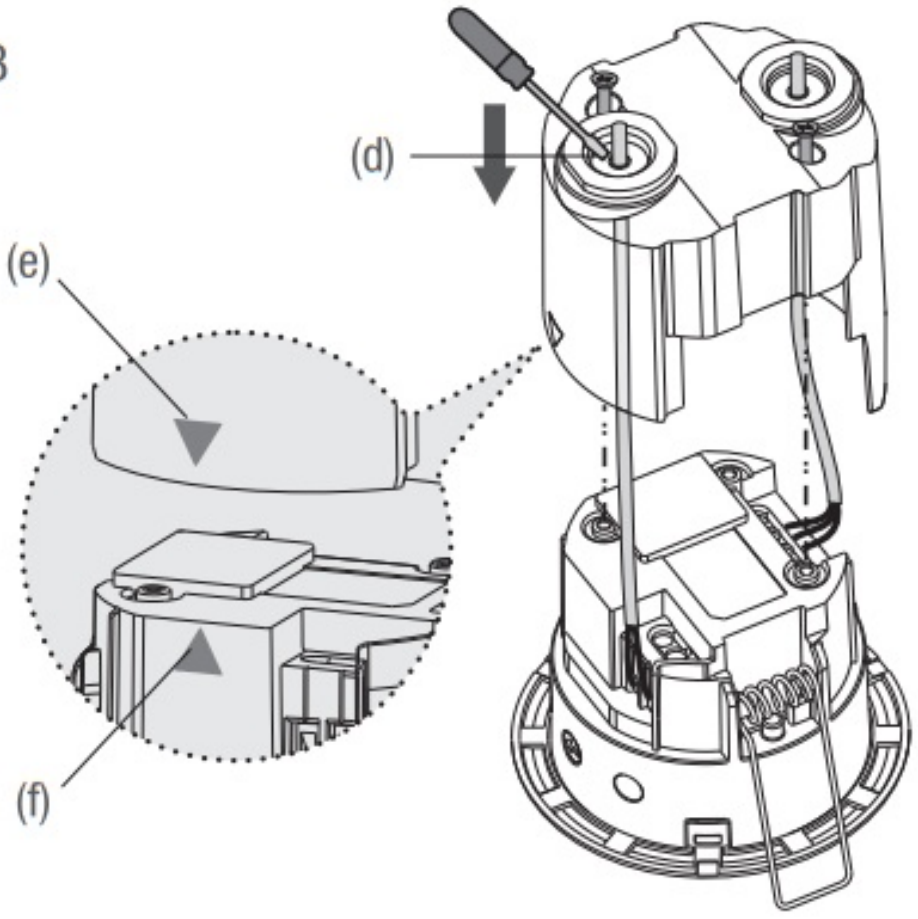


FIG. 4C

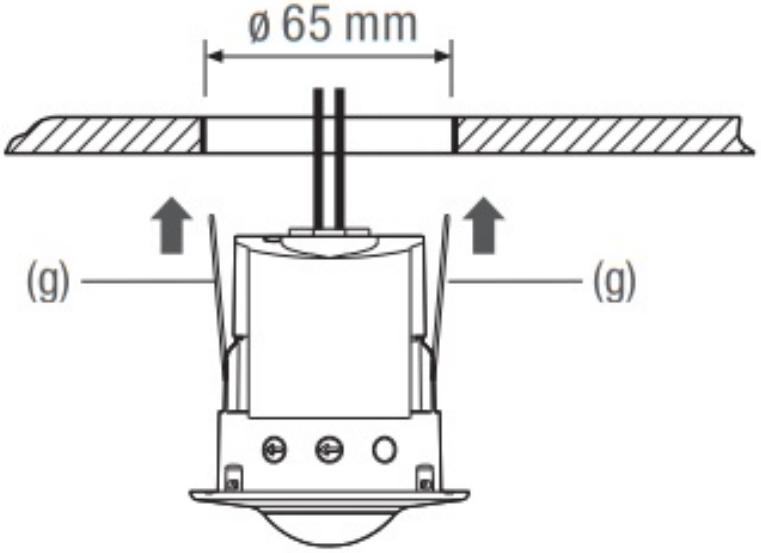
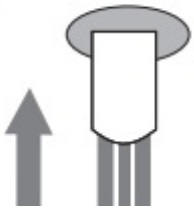


FIG. 5

FIG. 5A



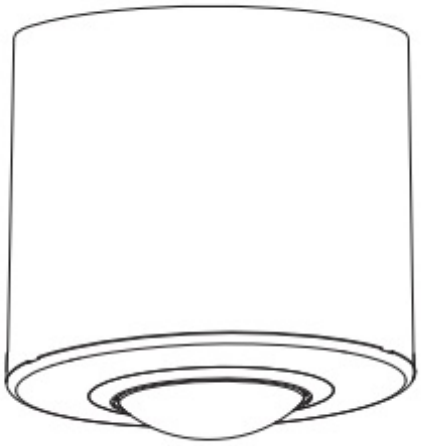


FIG. 5B

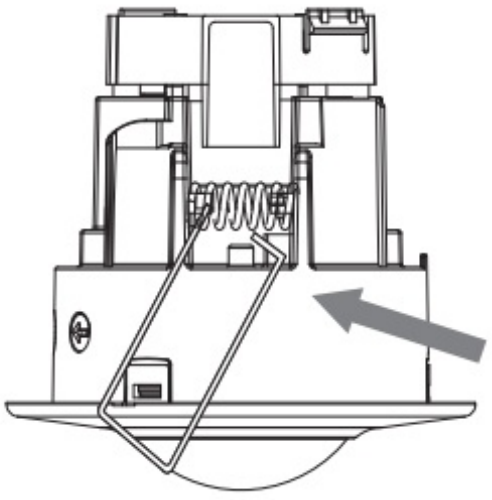


FIG. 5C

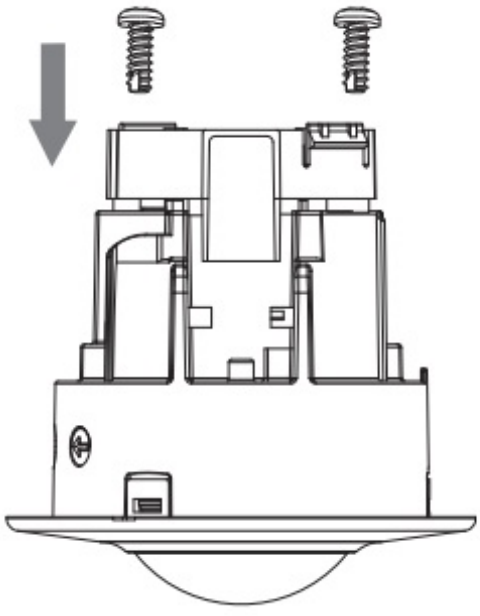


FIG. 5D

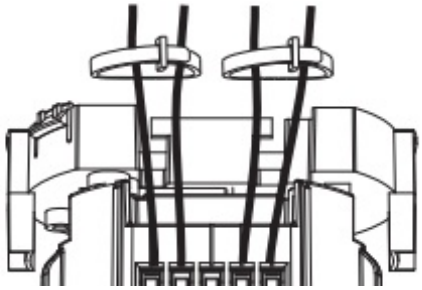
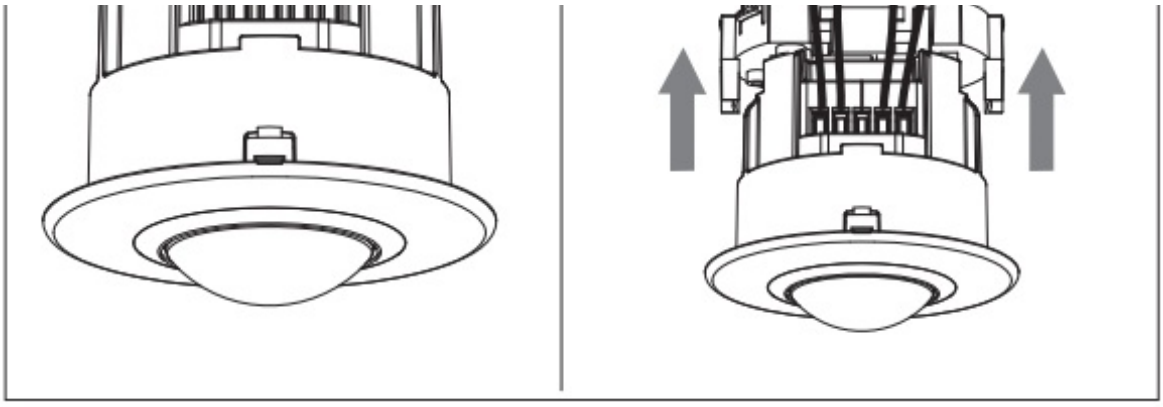
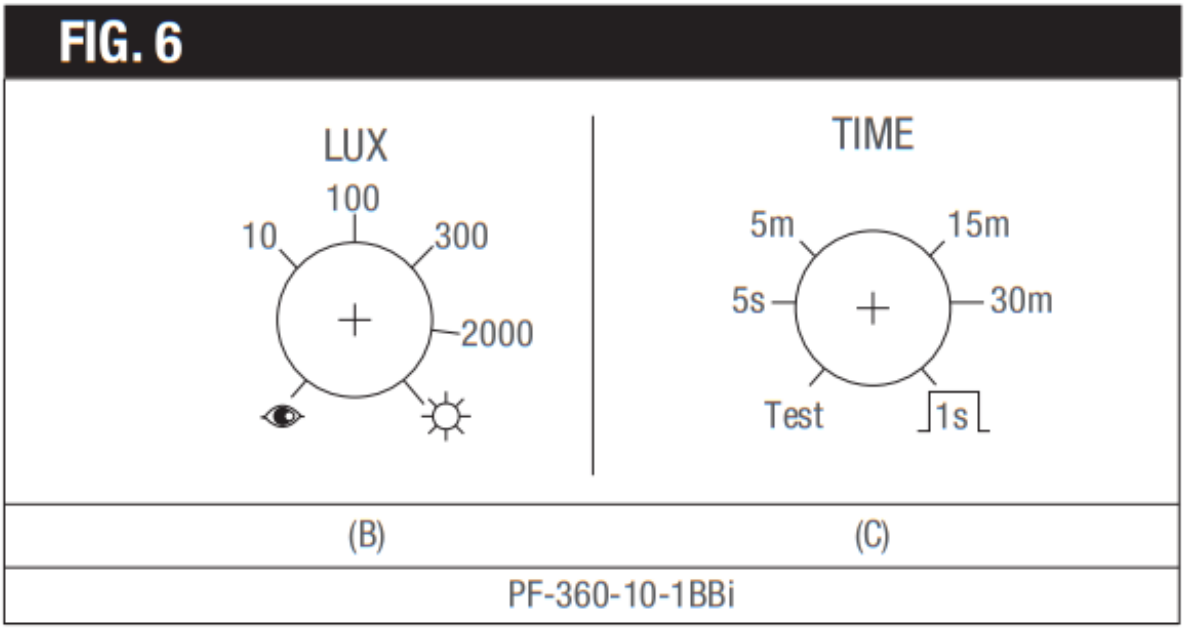


FIG. 5E





WWW.VEXEN.EU
SIA PAWBOL Baltic
Reg. Nr: 40103888768
VAT: Nr LV40103888768
Katakana 9, Riga, Latvia, LV1073
Phone: + 371 62006800
Email: info@vexen.eu

Documents / Resources

	vexen electric PF-360-10-1BBi Presence Detector [pdf] Instructions PF-360-10-1BBi Presence Detector, PF-360-10-1BBi, Presence Detector, Detector