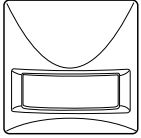
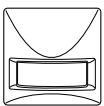


ARGUS 180 flush-mounted sensor module

Operating instructions



AQUADESIGN



ARGUS 180 flush-mounted sensor module
Art. no. MTN5781..

For your safety

DANGER

Risk of fatal injury from electrical current.
All work carried out on the unit may only be performed by skilled electricians. Observe the regulations valid in the country of use.

Getting to know the sensor module

The ARGUS 180 flush-mounted sensor module from the AQUADESIGN range (referred to below as the **sensor module**) is a movement detector for flush mounting indoors, and can also be used in damp areas thanks to its waterproof housing. The sensor module detects moving sources of heat, such as people. Adjustable range: approx. 2.5–8 m / Angle of coverage: 180°. The sensor module is plugged onto a switch insert which switches any connected loads when it detects a movement. It is easy to replace light switches and use the ARGUS instead

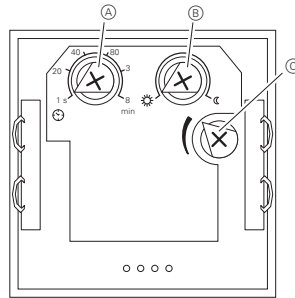
Necessary accessories

The sensor module is plugged onto an electronic switch insert (art. no. MTN576799, for ohmic loads) or onto a relay switch insert (art. no. MTN576897, for ohmic and complex loads such as incandescent lamps, fluorescent lamps, energy-saving lamps, LV halogen lamps).

The switch insert in question switches any connected loads whenever it detects a movement.

In addition, you also need an AQUADESIGN frame with/without screw fitting.

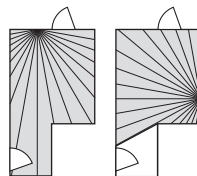
Connections, displays and operating elements



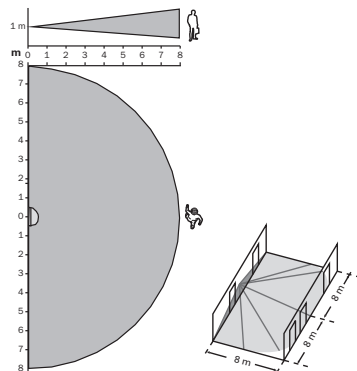
- (A) Setting the switching duration
- (B) Setting the detection brightness
- (C) Setting the sensitivity

Selecting the installation site

- Only mount the sensor module in positions which allow the best possible surveillance of the required area.



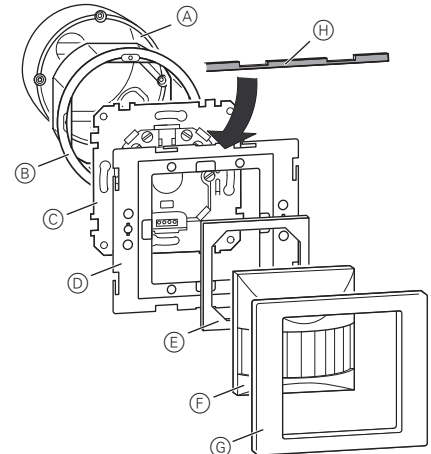
- Observe the area of detection: Install the sensor module on the wall at a height of 1-1.5 metres above the floor. Any mounting height which deviates from this will affect the range.
- Install the sensor module laterally with respect to the direction of movement so that the beam paths are intersected as vertically as possible.



- Movement detectors can detect all objects that radiate heat. This could be people, but also small animals (dogs, cats etc.), open fires or window panes which have been heated by the sun. For this reason, you should select an installation site that will not result in such unwanted heat sources being detected.
- The sensor module is **not** suitable for use as a component of an alarm system since the device is supplied from the mains and will switch the connected detectors whenever the mains supply fails and is established again, regardless of whether or not a movement is detected. This could in turn trigger the alarm function (false alarm).

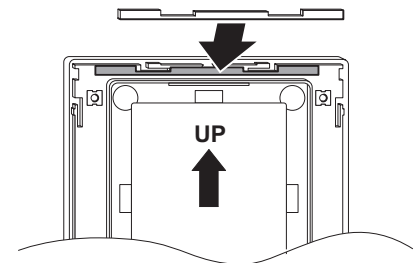
How to install the sensor module

- ① Feed connecting cables through the adjustment ring and wire the relay or electronic switch insert as described in the appropriate manual.



- (A) Switch bx (flush-mounted box)
- (B) Adjustment ring
- (C) Relay or electronic switch insert
- (D) Retaining ring
- (E) Gasket
- (F) Sensor module
- (G) Design frame
- (H) Sponge rubber

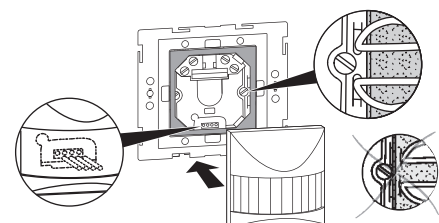
- ② Push the adjustment ring onto the relay or electronic switch insert from behind and install the switch box in such a way that the quadruple plug connector is at the bottom.
- ③ Place the retaining frame onto the switch insert, insert the gasket and then carefully press the sensor module onto the switch insert.
- ④ Place the sponge rubber onto the retaining frame.



CAUTION

Bending of the pins.

The contact pins on the rear of the sensor module can become bent if angled excessively. Therefore always plug the sensor module in as straight as possible.



You may fix the retaining frame to the wall by using suitable screws.

- ⑤ Press the design frame onto the retaining frame so that it clicks into place.
- ⑥ For design frames with screw fitting: Screw the design frame with the retaining frame.

How to set up the sensor module

In order to ensure optimal functioning of the sensor module, you must set it after installation.

- ① Pull the sensor module with frame forwards from the switch insert.
- ② Set the switching duration to 1 second and set the detection brightness to day and night operation.
- ③ Carefully push the sensor module with frame back onto the switch insert.
- ④ Activate the load which is to be switched.
- ⑤ Approach the area of detection from several different angles. If necessary, alter the sensitivity until the movement detector switches the load as required.

When everything is working as it should:

- ⑥ Set the switching duration and the detection brightness as desired.
- ⑦ Mount the sensor module and frame again.

How to adjust the sensor module

You can set the switching duration, detection brightness and sensitivity on the rear of the device.

Setting the switching duration

You can use this to infinitely set how long the load connected to the switch insert remains switched on. When a movement is detected by the sensor module, the load (e.g. ceiling light) is switched on and stays switched on until the set period has elapsed. Every time a new movement is detected, the switching duration is restarted:

- Left stop: switching duration approx. 1 second
- Right stop: switching duration approx. 8 minutes

Setting the detection brightness

Here you can infinitely set at which ambient brightness level movements should be detected and a switching procedure should be triggered:

- Left stop (sun symbol): Day and night operation (approx. 1000 lux), all movements in the area of detection will be detected.
- Right stop (moon symbol): Night operation (approx. 5 lux), movements are only detected in the dark.

Setting the sensitivity

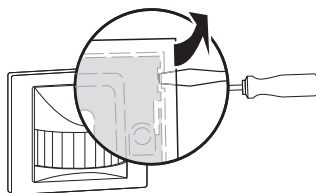
You can use this to infinitely set the range up to which the sensor module should be able to detect movements:

- Left stop: Low sensitivity, movements up to a distance of approx. 2.5 m will be detected.
- Right stop: Maximum sensitivity, movements up to a distance of approx. 8 m will be detected.

Whenever the power supply has failed and been re-established, the connected load switches for the duration of the selected switching time.

How to remove the sensor module

- ① Use a screwdriver to remove the design frame (which is either clicked or screwed into place) from the retaining frame.



- ② Unscrew the retaining frame from the wall if necessary and carefully remove the sensor module from the switch insert in a straight, forward motion.

CAUTION

Bending of the pins

The contact pins on the rear of the sensor module can become bent if angled excessively. Therefore always pull the sensor module out as straight as possible.

How to handle faults

The connected load will not be switched on.

Check the possible sources of error:

- Connected load not connected, wrongly connected or switched off.
- Sensitivity set too low.
- Detection brightness set incorrectly.
- Heat source not in the area of detection of the sensor module.
- In the case of a sensor module with switch, the switch is set to 0 (Off).
- Fuse defective (for information on how to change the fuse, see the manual of the switch insert).

The connected load is switched on permanently.

- It could be that the switching duration is set too high. The sensor module constantly detects new movements and restarts the switching duration. For this reason, you should stay out of the area of detection for at least 10 minutes.
- In the case of a sensor module with switch, it could be that the switch is set to 1 (On).

Technical data

Range:	min. approx. 2,5 m, max. approx. 8 m, infinitely adjustable
Area of detection:	180°
Switching duration:	1 s - 8 min, infinitely adjustable
Detection brightness:	approx. 5 - 1000 Lux, infinitely adjustable
Type of protection:	IP 44 (Splash proofed)

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Center in your country.

www.schneider-electric.com

This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations. As standards, specifications and designs develop from time to time, always ask for confirmation of the information given in this publication.