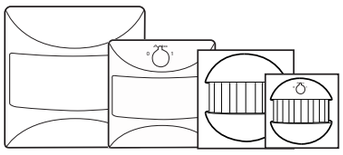
GB

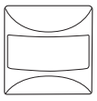
Schneider Electric

ARGUS 180 flush-mounted sensor module

Operating instructions



System M



ARGUS 180 flush-mounted sensor module
Art. no. MTN5784../MTN5755..

Artec/Antik/Trancent

ARGUS 180 flush-mounted sensor module
Art. no. MTN5786..

System M

ARGUS 180 flush-mounted sensor module with switch
Art. no. MTN5728../MTN5785..

Artec/Antik/Trancent

ARGUS 180 flush-mounted sensor module with switch
Art. no. MTN5795..

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

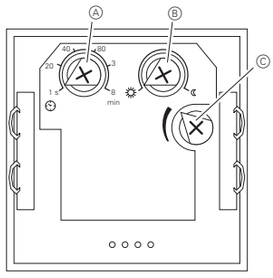
The ARGUS 180 flush-mounted sensor module (reffered to below as the **sensor module**), is a movement detector for flush mounting in internal areas.

The sensor module registers moving sources of heat (e.g. people) in a range which can be set between 2.5 and 8 m and within a radius of 180°. 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, halogen lamps).

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

In addition, you require a frame in the corresponding design.

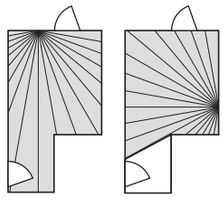
Connections, displays and operating elements



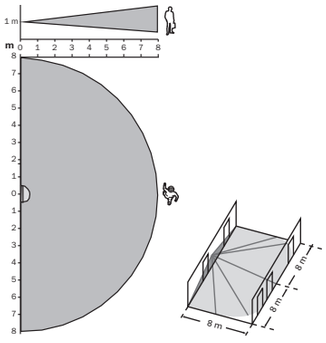
Ⓐ Setting the switching duration
Ⓑ Setting the detection brightness
Ⓒ Setting the sensitivity

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.

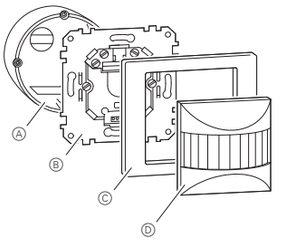


- Movement detectors can detect all objects that radiate heat. This could be people, but also small animals (dogs, cats etc.), open fires or window panes which have been heated by the sun. For this reason, you should select an installation site that will not result in such unwanted heat sources being 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 Wire the relay switch insert or electronic switch insert as described in the manual and install in the switch box in such a way that the quadruple plug connector is at the bottom.

② Plug the sensor module onto the frame.

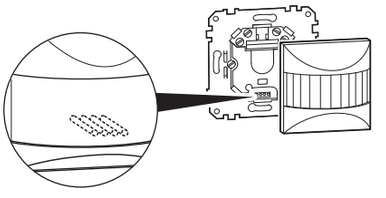


Ⓐ Switch box (flush-mounted box)
Ⓑ Relay/electronic switch insert
Ⓒ Frame
Ⓓ Sensor module

CAUTION

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

③ Push the sensor module with frame onto the switch insert.



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.

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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

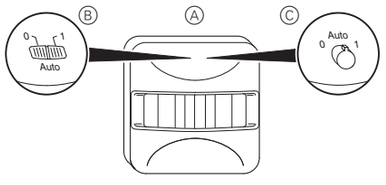
You can use this to infinitely set the range up to which the sensor module should be able to detect movements:

- 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.

Sensor module with switch

You can set three functions on the sensor module with switch A. The switch looks different depending on the design (Ⓑ oder Ⓒ) but the functionality is the same.



- Position **Auto**: The sensor module switches loads when a movement is detected and when the switching duration has expired.
- Position **1** (On): Load is switched on permanently (no movement detection).
- Position **0** (Off): Load is switched off permanently (no movement detection).

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, approx. 8 m, infinitely adjustable
Area of detection:	180°
Switching duration:	1 sec – 8 min, infinitely adjustable
Detection brightness:	approx. 5 – 1000 Lux, infinitely adjustable

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.

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