

■ **Technical Information:** ARGUS movement detector (⇒ p. 490)

## ARGUS movement detector system

### The movement detector system for outdoor areas.

- **Connect/Timer/Connect 12 V:**
- Movement detectors with integrated interface for plug-in radio module for functional extension.
- 220° surface monitoring for larger house fronts.
- **Basic:**
- The basic movement detector with 110° or 220° surface monitoring for small or large house fronts.
- **Common features:**
- 360° short-range zone with a radius of approx. 4 m.
- Very easy installation thanks to large wiring compartment and plug-in connection system.
- Looping through is possible.
- Integrated LED function display for alignment at installation site.
- Potentiometers for adjustment are protected under the easily accessible cover plate.
- Can be installed on walls and ceilings without additional accessories.
- Can be mounted on inner/outer corners and stationary pipes with installation bracket, art. no. 5652...
- The area of detection can be adjusted to local conditions with the aid of the spherical head which can be adjusted horizontally, vertically and axially.
- The design is independent of the position of the sensor head.
- Possible to blank out individual lens areas.

■ **Technical Information:** ARGUS 220 Connect/Timer (⇒ p. 491)



IP55

## ARGUS 220 Connect

Electronic outdoor movement detector. With an integrated interface for extension with a radio module (wireless connection of several devices). Potentiometers for setting functions are located underneath the cover plate.

### Functions:

The following functions are possible via radio with an integrated radio module: Permanent ON, Permanent OFF and AUTOMATIC.

**Mains voltage:** AC 230 V, ± 10 %, 50 Hz

**Incandescent lamps:** AC 230 V, max. 2000 W

**Halogen lamps:** AC 230 V, max. 2000 W

**Fluorescent lamps:** AC 230 V, 1200 W uncompen-sated

**Capacitive load:** max. 35 µF

**Max. switching current:** 16 A, AC 230 V, cosφ = 1

**Angle of detection:** 220°

**Range:** max. 16 m

**Number of levels:** 7

**Number of zones:** 112 with 448 switching seg-ments

**Light sensor:** infinitely adjustable from 3-1000 lux

**Time:** 1 sec. to approx. 8 min. in 6 levels

**Sensitivity:** infinitely adjustable

**Neutral conductor:** required

**Possible to set the sensor head**

**Wall mounting:** 9° up, 24° down, 12° left/right, ± 12° axial

**Ceiling mounting:** 4° up, 29° down, 25° left/right, ± 8.5° axial

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

**Type of protection:** IP 55

■ **Accessories:** Radio module for ARGUS 220 movement detector, art. no. 565495. Mounting bracket, art. no. 565291/92/93. Capacitor, art. no. 542895.

■ **Technical Information:** ARGUS 220 Connect/Timer (⇒ p. 491)

■ **Contents:** With cover plate and segments to limit the area of detec-tion, screws and plugs.

Version	Art. no.	PU	PG	Info
polar white	<b>565419</b>	1/12	8	
dark brazil	<b>565415</b>	1/6	8	
aluminium	<b>565469</b>	1/6	8	



IP55

## ARGUS 220 Timer

Electronic outdoor movement detector. With integrated light-sensitive time switch and interface for extension with a radio module (wireless connection of several devices).

Potentiometers for setting functions are located underneath the cover plate.

### Functions:

- **Semi-automatic function:** In the evening, when the ambient light level falls to the set twilight threshold, the lighting will be switched on, then switched off again at the set time (e.g. 23:00). After this, the normal movement detector function is active.
- **Automatic function:** like the semi-automatic function. In the morning, the lighting is switched on again at the pre-set time (e.g. 5.00 a.m.) and switched off when the twilight threshold is reached. In between, the normal movement detector function is active.
- **Automatic time switch function:** In the evening and the morning, the switch provides a brightness-dependent timer function (disabled under ARGUS), in between these times it provides the normal movement detector function.
- **Semi-automatic time switch function:** In the evening the switch provides a brightness-dependent timer function (disabled under ARGUS), after that it provides the normal movement detector function.
- **Pure movement detector function**

The following functions are possible via radio with an integrated radio module: Permanent ON, Permanent OFF, AUTOMATIC and SET (Teaching in current twilight value. No manual adjustment possible).

**Mains voltage:** AC 230 V,  $\pm 10\%$ , 50 Hz

**Incandescent lamps:** AC 230 V, max. 2000 W

**Halogen lamps:** AC 230 V, max. 2000 W

**Fluorescent lamps:** AC 230 V, 1200 W uncompensated

**Capacitive load:** max. 35  $\mu$ F

**Max. switching current:** 16 A, AC 230 V,  $\cos\phi = 1$

**Angle of detection:** 220°

**Range:** max. 16 m

**Number of levels:** 7

**Number of zones:** 112 with 448 switching segments

**Light sensor:** infinitely adjustable from 3-1000 lux

**Time:** 1 sec. to approx. 8 min. in 6 levels

**Sensitivity:** infinitely adjustable

**Neutral conductor:** required

**Possible to set the sensor head**

**Wall mounting:** 9° up, 24° down, 12° left/right,  $\pm 12^\circ$  axial

**Ceiling mounting:** 4° up, 29° down, 25° left/right,  $\pm 8.5^\circ$  axial

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

**Type of protection:** IP 55

- ▣ **Accessories:** Radio module for ARGUS 220 movement detector, art. no. 565495. Mounting bracket, art. no. 565291/92/93. Capacitor, art. no. 542895.

- **Technical Information:** ARGUS 220 Connect/Timer ( $\Rightarrow$  p. 491)

- ▣ **Contents:** With cover plate and segments to limit the area of detection, screws and plugs.

Version	Art. no.	PU	PG	Info
polar white	565619	1/6	8	
dark brazil	565615	1/6	8	
aluminium	565669	1/6	8	



IP55

## ARGUS 220 for 12 V Connect

12 V version of the electronic outdoor movement detector. With an integrated interface for extension with a radio module (wireless connection of several devices).

Potentiometers for setting functions are located underneath the cover plate.

### Functions:

The following functions are possible via radio with an integrated radio module: Permanent ON, Permanent OFF and AUTOMATIC.

**Supply voltage:** DC 12 V

**Switch contact:** floating

**Max. switching current:** 5 A, DC 12 V

5 A, AC 230 V,  $\cos\phi = 1$

**Power consumption:** <1 W

**Angle of detection:** 220°

**Range:** max. 16 m

**Number of levels:** 7

**Number of zones:** 112 with 448 switching segments

**Light sensor:** infinitely adjustable from 3-1000 lux

**Time:** 1 sec. to approx. 8 min. in 6 levels

**Sensitivity:** infinitely adjustable

**Possible to set the sensor head**

**Wall mounting:** 9° up, 24° down, 12° left/right,  $\pm 12^\circ$  axial

**Ceiling mounting:** 4° up, 29° down, 25° left/right,  $\pm 8.5^\circ$  axial

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

**Type of protection:** IP 55

- ▣ **Accessories:** Radio module for ARGUS 220 movement detector, art. no. 565495. Mounting bracket, art. no. 565291/92/93. Capacitor, art. no. 542895.

- **Technical Information:** ARGUS 220 Connect/Timer ( $\Rightarrow$  p. 491)

- ▣ **Dark brazil and aluminium are available on request.**

- ▣ **Contents:** With cover plate and segments to limit the area of detection, screws and plugs.

Version	Art. no.	PU	PG	Info
polar white	565426	1/6	8	



IP55

## INSTABUS ARGUS 220 Connect

KNX movement detector for outdoors. Potentiometers for setting functions are located underneath the cover plate. With integrated bus coupler. A programming magnet is necessary to program the physical address.

### KNX software functions:

The function of a staircase timer can be configured with an OFF delay of one second to 152 hours. It can also be switched or blocked by the bus. The switch threshold of the light-sensitive switch can be configured with a potentiometer. The status of the light-sensitive switch can be issued as a telegram on the bus. Cyclical transmission of the detected movement can be programmed. Up to 4 functions can be activated simultaneously when a movement is detected.

**Angle of detection:** 220°

**Range:** max. 16 m

**Number of levels:** 7

**Number of zones:** 112 with 448 switching segments

**Light sensor:** infinitely adjustable from 3-1000 lux

**Time:** can be set externally from 1 sec. to approx. 8 min. in 6 levels or via ETS from approx. 3 sec. to approx. 152 hours.

**Sensitivity:** infinitely adjustable

### Possible to set the sensor head

**Wall mounting:** 9° up, 24° down, 12° left/right, ± 12° axial

**Ceiling mounting:** 4° up, 29° down, 25° left/right, ± 8.5° axial

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

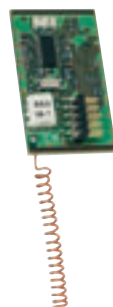
**Type of protection:** IP 55

▣ **Accessories:** Mounting bracket, art. no. 565291/92/93. Programming magnet for valve drive EMO, art. no. 639190.

■ **Technical Information:** ARGUS 220 Connect/Timer (⇒ p. 491)

■ **Contents:** With cover plate and segments to limit the area of detection, screws and plugs.

Version	Art. no.	PU	PG	Info
polar white	631519	1/12	9	
dark brazil	631515	1/6	9	
aluminium	631569	1/6	9	



## Radio module for ARGUS 220 movement detector

For the wireless networking of several ARGUS 220 Connect or ARGUS 220 Timer devices. A registered movement is sent to all taught-in movement detectors or receivers via the radio module. With integrated transmitter and receiver.

The radio module can be retrofitted into the movement detector.

### Functions:

The radio module supports the functions permanent ON, permanent OFF, AUTOMATIC and SET (ARGUS 220 Timer only). The ARGUS uses the current twilight threshold for switching on in the SET function.

**Radio frequency** 868 MHz

**Type of transmission:** FSK, Frequency Shift Keying, bi-directional, with integrated transmitter and receiver

**Range:** up to 100 m (free field)  
up to 30 m (building)

▣ **To be completed with:** ARGUS 220 Connect art. no. 5654... ARGUS 220 Timer, art. no. 5656...

**Transmitter:** Radio push-button, 2-gang for ARGUS, art. no. System Design 592290. Radio remote control Distance 5010, art. no. 590722. Radio push-button, 1-gang, art. no. System M 5941..., System Design 5921... Radio push-button, 2-gang, art. no. System M 5922..., System Design 5942... Universal radio transmitter, flush-mounted, 4-gang, art. no. 592599. Radio module for ARGUS 220 movement detector, art. no. 565495. Radio repeater, art. no. 595959. INSTABUS radio gateway, flush-mounted, art. no. 680999.

**Receiver:** Sensor cover with radio receiver, art. no. System M 5931..., System Design 5930... Sensor cover with radio receiver for relay switch insert, art. no. System M 5932..., System Design 5933... Blind push-button with radio receiver and sensor connection, art.no. System M 5936..., System Design 5935... Plug adapter with radio receiver, art. no. 591019, 591519. Radio receiver, flush-mounted, 1-gang, art. no. 592591. Radio module for ARGUS 220 movement detector, art. no. 565495. Radio repeater, art. no. 595959. INSTABUS radio gateway, flush-mounted, art. no. 680999.

Version	Art. no.	PU	PG	Info
Radio module	565495	1/24	8	



## Radio push-button for ARGUS, 2-gang, battery-powered

For System Design.

Battery-powered radio transmitter with 4 pre-programmed channels. For controlling the ARGUS 220 Connect or ARGUS 220 Timer movement detectors, with built-in radio module.

High installation flexibility due to flat design. A flush-mounted socket-outlet is not necessary. The push-button is suitable for sticking onto walls or glass, screwing onto walls or flush-mounted outlets as well as installing in a multiple combination.

### Functions:

The push-button controls the functions permanent ON, permanent OFF, AUTOMATIC and SET (ARGUS 220 Timer only). The ARGUS uses the current twilight threshold for switching on in the SET function.

### Channels: 4

**Range:** up to 100 m (free field)

up to 30 m (building)

**Battery:** 1 lithium button cell (CR 2450)

**Display elements:** LED for transmission confirmation

**Type of protection:** IP 20

- ▶ **Receiver:** Radio module for ARGUS 220 movement detector, art. no. 565495. Radio repeater, art. no. 595959.
- ▶ **Contents:** Battery, retaining plate, double-sided adhesive strips, single-sided adhesive strips (aluminium-coloured), screws, dowels.

Version	Art. no.	PU	PG	Info
▶ <b>Thermoplastic brilliant</b> polar white	592290	1/40	8	



IP55

## ARGUS 110 Basic

Electronic outdoor movement detector. 110° surface monitoring for smaller house fronts and sections of the house.

Under the cover plate there are potentiometers for setting the brightness and time.

**Mains voltage:** AC 230 V, ± 10 %, 50 Hz

**Incandescent lamps:** AC 230 V, max. 2000 W

**Halogen lamps:** AC 230 V, max. 1200 W

**Fluorescent lamps:** AC 230 V, 1200 W uncompensated

**Capacitive load:** max. 35 µF

**Max. switching current:** 16 A, AC 230 V, cosφ = 1

**Angle of detection:** 110°

**Range:** max. 12 m

**Number of levels:** 7

**Number of zones:** 92 with 368 switching segments

**Light sensor:** infinitely adjustable from 3-1000 lux

**Time:** 1 sec. to approx. 8 min. in 6 levels

**Neutral conductor:** required

**Possible to set the sensor head**

**Wall mounting:** 9° up, 24° down, 12° left/right, ± 12° axial

**Ceiling mounting:** 4° up, 29° down, 25° left/right, ± 8.5° axial

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

**Type of protection:** IP 55

- ▶ **Accessories:** Mounting bracket, art. no. 565291/92/93. Capacitor, art. no. 542895.
- ▶ **Technical Information:** ARGUS 110/220 Basic (⇒ p. 494)
- ▶ **Contents:** With cover plate and segments to limit the area of detection, screws and plugs.

Version	Art. no.	PU	PG	Info
polar white	565119	1/6	8	



IP55

## ARGUS 220 Basic

Electronic outdoor movement detector. 220° surface monitoring for large house fronts and sections of the house.

Under the cover plate there are potentiometers for setting the brightness and time.

- Mains voltage:** AC 230 V, ± 10 %, 50 Hz
- Incandescent lamps:** AC 230 V, max. 2000 W
- Halogen lamps:** AC 230 V, max. 1200 W
- Fluorescent lamps:** AC 230 V, 1200 W uncompensated
- Capacitive load:** max. 35 µF
- Max. switching current:** 16 A, AC 230 V,  $\cos\phi = 1$
- Angle of detection:** 220°
- Range:** max. 12 m
- Number of levels:** 7
- Number of zones:** 112 with 448 switching segments
- Light sensor:** infinitely adjustable from 3-1000 lux
- Time:** 1 sec. to approx. 8 min. in 6 levels
- Neutral conductor:** required
- Possible to set the sensor head**
- Wall mounting:** 9° up, 24° down, 12° left/right, ± 12° axial
- Ceiling mounting:** 4° up, 29° down, 25° left/right, ± 8.5° axial
- EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC
- Type of protection:** IP 55

- **Accessories:** Mounting bracket, art. no. 565291/92/93. Capacitor, art. no. 542895.
- **Technical Information:** ARGUS 110/220 Basic (⇒ p. 494)
- **Contents:** With cover plate and segments to limit the area of detection, screws and plugs.

Version	Art. no.	PU	PG	Info
polar white	565219	1/12	8	



## Mounting bracket

Installation bracket for attaching the ARGUS 110/220 Basic, Timer or Connect to outer or inner corners. Can also be secured to fixed pipes (VDE 0100) with conventional conduit clips.

- **To be completed with:** ARGUS 110/220 Basic, art. no. 565119, 565219. ARGUS 220 Connect art. no. 5654... ARGUS 220 Timer, art. no. 5656... INSTABUS ARGUS 220 Connect art. no. 5315...
- **Technical Information:** ARGUS movement detector (⇒ p. 492)
- **Contents:** With screws and plugs. Without conduit clip.

Version	Art. no.	PU	PG	Info
polar white	565291	1/21	8	
black grey	565293	1/21	8	
dark brazil	565292	1/21	8	

## ARGUS surface-mounted movement detectors

### The movement detectors for outdoors.

- **Technical Information:** Functional principle (⇒ p. 490)



IP44

## ARGUS 70

Electronic outdoor movement detector. 70° surface monitoring for smaller areas such as gateways, entrances or staircases.

- Mains voltage:** AC 230 V ±10 %, 50 Hz
- Connected load:** up to 500 VA
- Max. switching current:** 2 A, AC 230 V,  $\cos\phi = 0,6$
- Halogen lamps:** AC 230 V, up to 300 W
- Capacitive load:** max. 21 µF
- Power consumption:** < 1 W
- Number of levels:** 4
- Number of zones:** 26 with 104 switching segments
- Area of detection:** 70° surface monitoring, approx. 7x8 m
- Light sensor:** infinitely adjustable from 3-1000 lux
- Range:** approx. 7 m
- Time:** 1 sec. to approx. 8 min. in 6 steps
- Ambient temperature:** -25 °C to +55 °C
- Neutral conductor:** required
- Type of protection:** IP 44

- **Accessories:** Capacitor, art. no. 542895.
- **Technical Information:** ARGUS 70 (⇒ p. 496)

Version	Art. no.	PU	PG	Info
polar white	545719	1/20	8	
dark brazil	545715	1/20	8	



IP55

## ARGUS 300

Electronic outdoor movement detector. 300° surface monitoring for mounting on house corners in order to secure the area of two house walls. 360° short-range zone with a radius of approx. 4 m. The plug-in system and the enlarged wiring compartment facilitate simple and convenient installation. The range of the area of detection can be adjusted in sectors with three selectively adjustable 100° sectors. This makes it possible to compensate for a site that slopes upwards or downwards. Function bar for configuring brightness, time and sensitivity (range). The integrated function display allows the ARGUS to be aligned quickly and easily at the installation site. The universal housing allows these detectors to be mounted on house corners without requiring additional accessories. The area of detection can be optimally adapted to prevailing on-site conditions with the aid of the spherical head which can be adjusted horizontally, vertically and axially. To prevent obstacles such as downpipes from blanking the area of detection, ARGUS 300 can be installed with an extension.

**Mains voltage:** AC 230 V, ± 10 %, 50 Hz

**Incandescent lamps:** max. 3000 W

**Halogen lamps:** AC 230 V, max. 2500 W

**Capacitive load:** max. 140 µF

**Max. switching current:** 16 A, AC 230 V,  $\cos\phi = 0,6$

**Power consumption:** < 1 W

**Angle of detection:** 300°

**Range:** max. 16 m

**Number of levels:** 7

**Number of zones:** 123 with 492 switching segments

**Light sensor:** infinitely externally adjustable

Art. no. 564319 approx. 3-1000 lux

Art. no. 564315 approx. 5-1000 lux

**Time:** externally adjustable in 6 levels of approx. 1 sec. to approx. 8 min.

**Neutral conductor:** required

**Possible to adjust the sensor head:** Horizontal rotation to the left and right by 30°. Swivelling of the sensor head to the right or left by 45°.

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

**Type of protection:** IP 55

▣ **Accessories:** Extension, art. no. 554395/99. Capacitor, art. no. 542895.

■ **Technical Information:** ARGUS 300 (⇒ p. 498)

■ **Contents:** With 2 blanking inserts to limit the area of detection, unlocking clamp, screws and plugs.

Version	Art. no.	PU	PG	Info
polar white	564319	1/3	8	
dark brazil	564315	1/3	8	



## Extension

The extension between wall bracket and sensor head can be installed for the ARGUS 300 in order to increase the distance between the movement detector and the wall.

Obstacles such as downpipes, which blank the area of detection if mounted on corners, can be prevented.

**Length:** 11.5 cm

▣ **To be completed with:** ARGUS 300, art. no. 564315/19.

■ **Technical Information:** ARGUS 300 (⇒ p. 498)

Version	Art. no.	PU	PG	Info
polar white	554399	1/40	8	
dark brazil	554395	1/40	8	



IP55

## ARGUS 360

Electronic movement detector for outdoor ceiling mounting.

360° surface monitoring over a length of 30 m and a width of 20 m.

Function bar to set brightness and time. With integrated function display.

**Mains voltage:** AC 230 V, ± 10 %, 50 Hz

**Incandescent lamps:** max. 3000 W

**Halogen lamps:** AC 230 V, max. 2500 W

**Capacitive load:** max. 140 µF

**Max. switching current:** 16 A, AC 230 V,  $\cos\phi = 0,6$

**Power consumption:** < 1 W

**Angle of detection:** 360°

**Range:** max. 16 m

**Number of levels:** 7

**Number of zones:** 124 with 496 switching segments

**Light sensor:** infinitely adjustable

Art. no. 564419 approx. 3-1000 lux

Art. no. 564415 approx. 5-1000 lux

**Time:** adjustable in 6 levels of approx. 1 sec. to approx. 8 min.

**Neutral conductor:** required

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

**Type of protection:** IP 55

▣ **Accessories:** Capacitor, art. no. 542895.

■ **Technical Information:** ARGUS 360 (⇒ p. 499)

■ **Contents:** With screws and plugs.

Version	Art. no.	PU	PG	Info
polar white	564419	1/6	8	
dark brazil	564415	1/6	8	

## Accessories



### Capacitor

**AC 230 V, 0.33  $\mu$ F**

For use in push-button circuits to prevent flickering of the neon lamp and/or instantaneous switching of the installation relay when several push-buttons with neon lamps are in use.

For interference suppression of inductive loads, e.g. relays, contactors, fluorescent lamps, transformers, if the induction voltage of these devices leads to the retriggering of the ARGUS.

Version	Art. no.	PU	PG	Info
AC 230 V, 0.33 $\mu$ F	<b>542895</b>	10/450	8	

■ **Technical Information:** ARGUS 180, flush-mounted (⇒ p. 505)

## Sensors



### ARGUS 180 flush-mounted sensor module

For System Basis.  
Indoor movement detector.

**Area of detection:** 180°  
**Number of levels:** 1  
**Number of zones:** 14  
**Range:** approx. 8 m  
**Sensitivity:** infinitely adjustable  
**Light sensor:** infinitely adjustable between approx. 5 and 1000 lux  
**Time:** adjustable in steps from 1 s to 8 min

▶ **To be completed with:** Electronic switch insert, art. no. 576799.  
Relay switch insert, art. no. 576897.

■ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)

■ **Note:** Supersedes art. no. 5799 ..

Version	Art. no.	PU	PG	Info
white	578274	1/60	8	
polar white	578219	1/60	8	



### ARGUS 180 flush-mounted sensor module with switch

For System Basis.  
Indoor movement detector.  
With integrated switch for off/automatic/on.

**Area of detection:** 180°  
**Number of levels:** 1  
**Number of zones:** 14  
**Range:** approx. 8 m  
**Sensitivity:** infinitely adjustable  
**Light sensor:** infinitely adjustable between approx. 5 and 1000 lux  
**Time:** adjustable in steps from 1 s to 8 min

▶ **To be completed with:** Electronic switch insert, art. no. 576799.  
Relay switch insert, art. no. 576897.

■ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)

■ **Note:** Supersedes art. no. 5798 ..

Version	Art. no.	PU	PG	Info
white	578374	1/60	8	
polar white	578319	1/60	8	



### ARGUS 180 / 2.20 m flush-mounted sensor module

For System M.  
Indoor movement detector with anti-crawl protection.

**Area of detection:** 180°  
**Number of levels:** 6  
**Number of zones:** 46  
**Range:** 8 m right/left, 12 m to the front  
**Sensitivity:** infinitely adjustable  
**Light sensor:** infinitely adjustable from approx. 5 to approx. 1000 lux  
**Time:** adjustable in steps from 1 s to 8 mins  
**Mounting height:** 2.2 m or 1.1 m with half the range

▶ **To be completed with:** Electronic switch insert, art. no. 576799.  
Relay switch insert, art. no. 576897.

■ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)

■ **Contents:** With cover segments to limit the area of detection.

**Availability:** Available August 2006.

Version	Art. no.	PU	PG	Info
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#### ▶ Thermoplastic brilliant

white, glossy	568844	1/40	8	
polar white, glossy	568819	1/40	8	
active white, glossy	568825	1/40	8	

#### ▶ Thermoplastic classy matt

white	568744	1/40	8	
polar white	568719	1/40	8	
anthracite	568714	1/40	8	
aluminium	568760	1/40	8	

▶ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



### ARGUS 180 flush-mounted sensor module

For System M.  
Indoor movement detector.

**Area of detection:** 180°  
**Number of levels:** 1  
**Number of zones:** 14  
**Range:** approx. 8 m  
**Sensitivity:** infinitely adjustable  
**Light sensor:** infinitely adjustable between approx. 5 and 1000 lux  
**Time:** adjustable in steps from 1 s to 8 min

▶ **To be completed with:** Electronic switch insert, art. no. 576799.  
Relay switch insert, art. no. 576897.

■ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)

■ **Note:** Supersedes art. no. 5752 ..

Version	Art. no.	PU	PG	Info
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#### ▶ Thermoplastic brilliant

white, glossy	575544	1/60	8	
polar white, glossy	575519	1/60	8	
active white, glossy	575525	1/60	8	

#### ▶ Thermoplastic classy matt

white	578444	1/60	8	
polar white	578419	1/60	8	
anthracite	578414	1/60	8	
aluminium	578460	1/60	8	

▶ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



## ARGUS 180 flush-mounted sensor module with switch

For System M.  
Indoor movement detector.  
With integrated switch for off/automatic/on.

**Area of detection:** 180°  
**Number of levels:** 1  
**Number of zones:** 14  
**Range:** approx. 8 m  
**Sensitivity:** infinitely adjustable  
**Light sensor:** infinitely adjustable between approx. 5 and 1000 lux  
**Time:** adjustable in steps from 1 s to 8 min

- ▣ **To be completed with:** Electronic switch insert, art. no. 576799.  
Relay switch insert, art. no. 576897.
- ▣ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)
- ▣ **Note:** Supersedes art. no. 5759 ..

Version	Art. no.	PU	PG	Info
<b>▣ Thermoplastic brilliant</b>				
white, glossy	572844	1/60	8	
polar white, glossy	572819	1/60	8	
active white, glossy	572825	1/60	8	
<b>▣ Thermoplastic classy matt</b>				
white	578544	1/60	8	
polar white	578519	1/60	8	
anthracite	578514	1/60	8	
aluminium	578560	1/60	8	

▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



## ARGUS 180 flush-mounted sensor module

For System Design.  
Indoor movement detector.

**Area of detection:** 180°  
**Number of levels:** 1  
**Number of zones:** 14  
**Range:** approx. 8 m  
**Sensitivity:** infinitely adjustable  
**Light sensor:** infinitely adjustable between approx. 5 and 1000 lux  
**Time:** adjustable in steps from 1 s to 8 min

- ▣ **To be completed with:** Electronic switch insert, art. no. 576799.  
Relay switch insert, art. no. 576897.
- ▣ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)
- ▣ **Antique brass on request.**  
**Note:** Supersedes art. no. 5787 ..

Version	Art. no.	PU	PG	Info
<b>▣ Thermoplastic brilliant</b>				
white	578644	1/60	8	
polar white	578619	1/60	8	
vanilla	578682	1/60	8	
ice blue	578688	1/60	8	
light grey	578629	1/60	8	
midnight blue	578678	1/60	8	
dark brazil	578615	1/60	8	
black grey	578669	1/60	8	
aluminium	578660	1/60	8	
<b>▣ metallic</b>				
varnished stainless steel	578646	1/60	8	



## ARGUS 180 flush-mounted sensor module with switch

For System Design.  
Indoor movement detector.  
With integrated switch for off/automatic/on.

**Area of detection:** 180°  
**Number of levels:** 1  
**Number of zones:** 14  
**Range:** approx. 8 m  
**Sensitivity:** infinitely adjustable  
**Light sensor:** infinitely adjustable between approx. 5 and 1000 lux  
**Time:** adjustable in steps from 1 s to 8 min

- ▣ **To be completed with:** Electronic switch insert, art. no. 576799.  
Relay switch insert, art. no. 576897.
- ▣ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)
- ▣ **Note:** Supersedes art. no. 5792 ..

Version	Art. no.	PU	PG	Info
<b>▣ Thermoplastic brilliant</b>				
white	579544	1/60	8	
polar white	579519	1/60	8	
vanilla	579582	1/60	8	
ice blue	579588	1/60	8	
light grey	579529	1/60	8	
midnight blue	579578	1/60	8	
dark brazil	579515	1/60	8	
black grey	579569	1/60	8	
aluminium	579560	1/60	8	
<b>▣ metallic</b>				
varnished stainless steel	579546	1/60	8	



## ARGUS 180 flush-mounted sensor module

For OCTOCOLOR.  
Indoor movement detector.

**Area of detection:** 180°  
**Number of levels:** 1  
**Number of zones:** 12  
**Range:** approx. 8 m  
**Sensitivity:** infinitely adjustable  
**Light sensor:** infinitely adjustable between approx. 5 and 1000 lux  
**Time:** adjustable in steps from 1 s to 8 min

- ▣ **To be completed with:** Electronic switch insert, art. no. 576799.  
Relay switch insert, art. no. 576897.
- ▣ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)
- ▣ **Note:** Supersedes art. no. 5794 ..

Version	Art. no.	PU	PG	Info
<b>▣ Thermoplastic brilliant</b>				
white	575344	1/60	8	
polar white	575319	1/60	8	
<b>▣ metallic</b>				
varnished bronze	575342	1/60	8	
metallic				
varnished titanium	575305	1/60	8	



## ARGUS 180 flush-mounted sensor module with switch

For OCTOCOLOR.  
Indoor movement detector.  
With integrated switch for off/automatic/on.

- Area of detection:** 180°
- Number of levels:** 1
- Number of zones:** 12
- Range:** approx. 8 m
- Sensitivity:** infinitely adjustable
- Light sensor:** infinitely adjustable between approx. 5 and 1000 lux
- Time:** adjustable in steps from 1 s to 8 min

▶ **To be completed with:** Electronic switch insert, art. no. 576799.  
Relay switch insert, art. no. 576897.

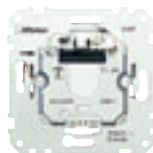
■ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)

■ **Note:** Supersedes art. no. 5793 ..

Version	Art. no.	PU	PG	Info
<b>Thermoplastic brilliant</b>				
white	575644	1/60	8	
polar white	575619	1/60	8	
<b>metallic</b>				
varnished bronze	575642	1/60	8	
metallic				
varnished titanium	575605	1/60	8	

### Flush-mounted inserts

■ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)



## Electronic switch insert

AC 230 V

For ohmic load such as incandescent lamps,  
230 V halogen lamps.

- Switching capacity:** 40-300 W
- Neutral conductor:** not required (2 conductor system)

▶ **To be completed with:** ARGUS 180 flush-mounted sensor module, art. no. System M 5755..., 5784..., System Basis 5782..., System Design 5786..., OCTOCOLOR 5753..., AQUADESIGN 5781... ARGUS 180 flush-mounted sensor module with switch, art. no. System M 5728..., 5785..., System Basis 5783..., System Design 5795..., OCTOCOLOR 5756... ARGUS 180/2.20 m flush-mounted sensor module, art. no. System M 5688..., 5687... In the radio system with sensor cover with radio receiver for switch insert, art. no. 5932..., 5933... In the CONNECT radio system with the CONNECT sensor cover for switch inserts art. no. System M 5034..., 5024..., System Design 5044...

■ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)

■ **Note:** A maximum of two electronic switch inserts may be wired in parallel. The sensor cover with radio receiver for switch inserts, art. no. 5932..., 5933.. can be used from version 1A with the electronic switch insert, art. no. 576799. The insert from version 2A only, can be used in conjunction with the CONNECT radio system.

Version	Art. no.	PU	PG	Info
40-300 W	576799	1/50	8	



## Relay switch insert

AC 230 V

For ohmic and complex loads such as incandescent lamps, fluorescent lamps, energy-saving lamps, LV halogen lighting etc.



- Switching capacity:** 0-1000 VA
- Capacitive load:** max. 140 µF
- Neutral conductor:** required (3 conductor system)

▶ **To be completed with:** ARGUS 180 flush-mounted sensor module, art. no. System M 5755..., 5784..., System Basis 5782..., System Design 5786..., OCTOCOLOR 5753..., AQUADESIGN 5781... ARGUS 180 flush-mounted sensor module with switch, art. no. System M 5728..., 5785..., System Basis 5783..., System Design 5795..., OCTOCOLOR 5756... ARGUS 180/2.20 m flush-mounted sensor module, art. no. System M 5688..., 5687... In the radio system with sensor cover with radio receiver for switch insert, art. no. 5932..., 5933... In the CONNECT radio system with the CONNECT sensor cover for switch inserts art. no. System M 5034..., 5024..., System Design 5044...

■ **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)

■ **Note:** Replace the relay switch insert, art. no. 576899.

Version	Art. no.	PU	PG	Info
0-1000 VA	576897	1/50	8	

## ARGUS flush-mounted movement detectors, waterproof

- Protection type IP 44.



IP44

### ARGUS 180 flush-mounted sensor module

For AQUADESIGN.  
Splash-proof movement detector.

**Area of detection:** 180°  
**Number of levels:** 1  
**Number of zones:** 14  
**Range:** approx. 8 m  
**Sensitivity:** infinitely adjustable  
**Light sensor:** infinitely adjustable between approx. 5 and 1000 lux  
**Time:** adjustable in steps from 1 s to 8 min

- ▣ **To be completed with:** Electronic switch insert, art. no. 576799.  
Relay switch insert, art. no. 576897.

- **Technical Information:** ARGUS flush-mounted overview (⇒ p. 506)

Version	Art. no.	PU	PG	Info
white	<b>578144</b>	1/50	8	
polar white	<b>578119</b>	1/50	8	
dark brazil	<b>578115</b>	1/50	8	
anthracite	<b>578114</b>	1/50	8	
aluminium	<b>578160</b>	1/50	8	

## ARGUS flush-mounted movement detectors, KNX



### ARGUS 180, flush-mounted

Application module for System M.  
Movement detector for indoors.  
When a movement is detected, a data telegram defined by the programming is transmitted.

#### KNX software functions:

The function of a staircase timer can be set with an OFF delay of one second to 152 hours and can also be switched or blocked by the bus. The switch threshold of the light-sensitive switch can be configured with a potentiometer. The status of the light-sensitive switch can be issued as a telegram on the bus. Cyclical transmission of the detected movement can be programmed. Up to 4 functions can be activated simultaneously when a movement is detected.

**Range:** 8 m

**Area of detection:** 180°

**Light sensors:** infinitely adjustable from approx. 5 to 1000 lux

- ▣ **In KNX, to be completed with:** Bus coupler, flush-mounted, art. no. 690099, switch actuator, flush-mounted, art. no. 627099, series actuator, flush-mounted, art. no. 627199, blind actuator, flush-mounted, art. no. 627299.

Version	Art. no.	PU	PG	Info
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#### ▣ Thermoplastic brilliant

white, glossy	<b>629044</b>	1/50	9	
polar white, glossy	<b>629019</b>	1/50	9	
active white, glossy	<b>629025</b>	1/50	9	

#### ▣ Thermoplastic classy matt

white	<b>624344</b>	1/50	9	
polar white	<b>624319</b>	1/50	9	
anthracite	<b>624314</b>	1/50	9	
aluminium	<b>624360</b>	1/50	9	

- ▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



## ARGUS 180 / 2.20 m, flush-mounted

Application module for System M.  
Indoor movement detector with anti-crawl protection.

When a movement is detected, a data telegram defined by the programming is transmitted.

### KNX software functions:

The function of a staircase timer can be set with an OFF delay of one second to 152 hours and can also be switched or blocked by the bus. The switch threshold of the light-sensitive switch can be configured with a potentiometer. The status of the light-sensitive switch can be issued as a telegram on the bus. Cyclical transmission of the detected movement can be programmed. Up to 4 functions can be activated simultaneously when a movement is detected.

**Area of detection:** 180°

**Number of levels:** 6

**Number of zones:** 46

**Range:** 8 m right/left, 12 m to the front

**Light sensor:** infinitely adjustable from approx. 5 to 1000 lux

**Time:** adjustable in steps of 1 s to 8 min, or set individually via the software

**Mounting height:** 2.2 m or 1.1 m with half the range

- ▣ **In KNX, to be completed with:** Bus coupler, flush-mounted, art. no. 690099, switch actuator, flush-mounted, art. no. 627099, series actuator, flush-mounted, art. no. 627199, blind actuator, flush-mounted, art. no. 627299.

- ▣ **Contents:** With cover segments to limit the area of detection.

**Availability:** Available August 2006.

Version	Art. no.	PU	PG	Info
<b>▣ Thermoplastic brilliant</b>				
white, glossy	630344	1/40	9	
polar white, glossy	630319	1/40	9	
active white, glossy	630325	1/40	9	
<b>▣ Thermoplastic classy matt</b>				
white	630244	1/40	9	
polar white	630219	1/40	9	
anthracite	630214	1/40	9	
aluminium	630260	1/40	9	

- ▣ **Duroplastic, highly scratch-resistant: With this article, use thermoplastic brilliant**



## ARGUS 180, flush-mounted

Application module for System Design.

Movement detector for indoors.

When a movement is detected, a data telegram defined by the programming is transmitted.

### KNX software functions:

The function of a staircase timer can be set with an OFF delay of one second to 152 hours and can also be switched or blocked by the bus. The switch threshold of the light-sensitive switch can be configured with a potentiometer. The status of the light-sensitive switch can be issued as a telegram on the bus. Cyclical transmission of the detected movement can be programmed. Up to 4 functions can be activated simultaneously when a movement is detected.

**Range:** 8 m

**Area of detection:** 180°

**Light sensors:** infinitely adjustable from approx. 5 to 1000 lux

- ▣ **In KNX, to be completed with:** Bus coupler, flush-mounted, art. no. 690099, switch actuator, flush-mounted, art. no. 627099, series actuator, flush-mounted, art. no. 627199, blind actuator, flush-mounted, art. no. 627299.

- ▣ **Antique brass on request.**

Version	Art. no.	PU	PG	Info
<b>▣ Thermoplastic brilliant</b>				
white	621444	1/50	9	
polar white	621419	1/50	9	
vanilla	621482	1/50	9	
ice blue	621488	1/50	9	
light grey	621429	1/50	9	
midnight blue	621478	1/50	9	
dark brazil	621415	1/50	9	
black grey	621469	1/50	9	
aluminium	621460	1/50	9	
<b>▣ metallic</b>				
varnished stainless steel	621446	1/50	9	

## ARGUS Presence system

**Technical Information:** ARGUS Presence system (⇒ p. 503)



### ARGUS Presence system

Indoor presence detection. The system detects the slightest movement in the room, switches the light on and leaves it on until no further movement is detected or natural lighting is sufficient.

The power unit has two relay outputs:

#### Relay 1:

For brightness-dependent movement detection, e.g. lighting. The overshoot time is infinitely adjustable at the sensor within a range of between 10 seconds and 30 minutes. The device constantly monitors the brightness in the room. Then, when there is sufficient natural light, the artificial light is switched off even if there is still someone in the room. The relay switches phase L.

#### Relay 2:

Floating contact (electrically isolated). For movement detection independent of brightness e.g. ventilation or heating control. The overshoot time is infinitely adjustable at the sensor within a range of between 5 minutes and 2 hours.

The system consists of the sensor head and a power unit with a permanently attached interconnecting cable (length 2.5 m) plugged into the sensor head. Every sensor head has two sockets to enable through-wiring. A maximum of 8 sensor heads (art. no. 550419) can be connected in this way to one power unit (master-slave principle). Installing several sensor heads makes it possible to seamlessly monitor long corridors and large rooms for example. The sensor head that registered the last movement determines the overshoot time.

Can also be controlled via an extension input. Sensor heads are installed in 68 mm ceiling openings. Areas of use include: offices, schools, public buildings, homes. Optimum installation height of 2.50 m.

**Nominal voltage:** AC 230 V ± 10%, 50 Hz

**Connecting cable:** 2.5 m

**Max. switching current per relay:** 10 A, AC 230 V,  $\cos\phi = 0,6$

Incandescent lamps: max. 2300 W

Halogen lamps: max. 2000 W

Motor load: max. 1000 W

Capacitive load: max. 140  $\mu\text{F}$

**Power consumption:** 2 W for 8 sensors

**Angle of detection:** 360°

**Range:** a radius of max. 4 m from the installation site (at a mounting height of 2.50 m)

**Number of levels:** 5

**Number of zones:** 71 with 284 switching segments

**Light sensor:** infinitely adjustable between approx. 10 and 1000 lux. The light sensor is not active in the test position.

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

**Accessories:** ARGUS Presence system sensor, art. no. 550419.

**Technical Information:** ARGUS Presence system (⇒ p. 503)

Version	Art. no.	PU	PG	Info
polar white	550499	1/6	8	



### ARGUS Presence system sensor

Sensor head with prefabricated interconnecting cable for extending the ARGUS Presence system. Each sensor head has two plugs allowing through-wiring to other sensors.

**Interconnecting cable:** 8 m long

**Angle of detection:** 360°

**Range:** a radius of max. 4 m from the installation site (at a mounting height of 2.50 m)

**Number of levels:** 5

**Number of zones:** 71 with 284 switching segments

**Light sensor:** infinitely adjustable between approx. 10 and 1000 lux. The light sensor is not active in the test position.

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

**To be completed with:** ARGUS Presence system, art. no. 550499.

**Technical Information:** ARGUS Presence system (⇒ p. 503)

Version	Art. no.	PU	PG	Info
polar white	550419	1/6	8	

## ARGUS Presence

- Indoor presence detection.
- ARGUS Presence recognises the smallest movements made by a person sitting in the room, for example. ARGUS switches on the light and leaves it switched on until presence is no longer detected or the ambient brightness is sufficient. Can be used in offices, schools, public buildings or homes, for example. The detector is installed in or on the ceiling.
- For installation on the ceiling in a 60 mm installation box. Optimum height 2.50 m.
- The surface-mounted housing, art. no. 550619, allows the presence detector to be mounted on non-suspended ceilings.

■ **Technical Information:** ARGUS Presence (⇒ p. 502)



## ARGUS Presence

The device has 2 relay outputs:

### Relay 1:

For brightness-dependent movement detection, e.g. lighting. The overshoot time is infinitely adjustable within a range of between 10 seconds and 30 minutes. ARGUS Presence constantly monitors the brightness in the room. Then, when there is sufficient natural light, the artificial light is switched off even if there is still someone in the room.

### Relay 2:

For movement detection independent of brightness e.g. ventilation or heating control. The overshoot time is infinitely adjustable between 5 minutes and 2 hours.

**Nominal voltage:** AC 230 V ±10 %, 50 Hz

**Relay 1 (sole use):**

**Nominal capacity:** max. 1000 W/VA,

5 A,  $\cos\phi = 1$

5 A,  $\cos\phi = 0.6$

**Incandescent lamps:** 1000 W

**230 V halogen:** 1000 W

**LV halogen:** 500 W with conventional transformer

**Capacitive load:** 5 A, 140 µF

**Fluorescent lamps:** 5 A, 140 µF;

1000 W, uncompensated;

1000 W, 140 µF parallel compensation;

2x500 W, twin-lamp circuit;

**Electronic ballast:** 5 A,  $C_{max} \leq 140 \mu F$

**Minimum load:** 10 mA,  $\geq DC 24 V$

**Relay 2 (sole use):**

**Nominal capacity:** max. 1000 W,  $\cos\phi = 1$

**Relays 1+2 (combined use):**

**Nominal capacity:** max. 1000 VA,  $\cos\phi = 0.6$  and

max. 750 W halogen 230 V

**Fuse:** T5H

**Power consumption:** < 1 W

**Angle of detection:** 360°

**Range:** a radius of max. 7 m from the installation site (at a mounting height of 2.50 m)

**Number of levels:** 6

**Number of zones:** 136 with 544 switching segments

**Light sensor:** infinitely adjustable between approx. 10 and 1000 lux. The light sensor is not active in the test position.

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

▶ **Accessories:** Surface-mounted housing for ARGUS Presence, art. no. 550619.

■ **Technical Information:** ARGUS Presence (⇒ p. 502)

Version	Art. no.	PU	PG	Info
polar white	550590	1/6	8	



## ARGUS Presence with IR receiver and for extension unit operation

When connecting the nominal voltage or short-term interruption of the power supply (e.g. with a push-button connected as a make contact), the device switches channel 1 on for one minute plus the set time, regardless of the level of light.

Other features and attributes as for ARGUS Presence, art. no. 550590.

For channel 1, the functions "Permanent ON", "Permanent OFF" and "Automatic" can be controlled with the IR remote control.

▶ **Accessories:** Surface-mounted housing for ARGUS Presence, art. no. 550619.

**Transmitter:** IR remote control Distance, art. no. 570222.

■ **Technical Information:** ARGUS Presence (⇒ p. 502)

Version	Art. no.	PU	PG	Info
polar white	550591	1/6	8	

## KNX ARGUS Presence

- Indoor presence detection.
- ARGUS Presence detects the smallest movements, e.g. of people sitting in a room. The ARGUS switches on the light and leaves it switched on until presence is no longer detected or the ambient brightness is sufficient. Areas of application are e.g. offices, schools, public buildings and the private sector. Installation is carried out in or on the ceiling.
- For ceiling mounting in a size 60 mounting box, optimum installation at 2.50 m height.
- The surface-mounted housing, art. no. 550619, allows the presence detector to be mounted on non-suspended ceilings.

■ **Technical Information:** ARGUS Presence (⇒ p. 502)



### INSTABUS ARGUS Presence

Indoor presence detection. The INSTABUS ARGUS Presence detects the slightest movement in a room and transmits data telegrams via the KNX.

If the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room, and when there is sufficient natural light, it deactivates the actuator for the artificial light even if there is still someone in the room. The overshoot time can be adjusted using the ETS.

With integrated bus coupler. For mounting on the ceiling in a 60 mm installation box. Optimum height 2.50 m. With the surface-mounted housing for ARGUS Presence, the device can also be installed in non-suspended ceilings.

#### KNX software functions:

Movement detection can trigger up to three functions simultaneously (1xpresence function). Dynamic overshoot time, which is determined depending on the use of the room. Interconnection of large systems possible (master/slave).

**Angle of detection:** 360°

**Range:** a radius of max. 7 m from installation site (at a mounting height of 2.50 m).

**Number of levels:** 6

**Number of zones:** 136 with 544 switching segments

**Light sensor:** infinitely adjustable from approx. 10 to 1000 lux using the ETS

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

■ **Accessories:** Surface-mounted housing for ARGUS Presence, art. no. 550619.

■ **Technical Information:** ARGUS Presence (⇒ p. 502)

■ **Contents:** With bus connecting terminal and supporting plate.

Version	Art. no.	PU	PG	Info
polar white	630590	1/6	9	



### INSTABUS ARGUS Presence with IR receiver

Indoor presence detection. As for INSTABUS ARGUS Presence, art. no. 630590.

IR remote control. The infrared commands are converted into the corresponding data telegrams. Up to 10 channels can be controlled. With integrated bus coupler.

If the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room and when there is sufficient natural light, it deactivates the actuator for the artificial light even if there is still someone in the room. The overshoot time can be adjusted using the ETS.

**Angle of detection:** 360°

**Range:** a radius of max. 7 m from installation site (at a mounting height of 2.50 m).

**Number of levels:** 6

**Number of zones:** 136 with 544 switching segments

**Light sensor:** infinitely adjustable from approx. 10 to 1000 lux using the ETS

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

■ **Accessories:** Surface-mounted housing for ARGUS Presence, art. no. 550619.

■ **Transmitter:** IR remote control Distance, art. no. 570222.

■ **Technical Information:** ARGUS Presence (⇒ p. 502)

■ **Contents:** With bus connecting terminal and supporting plate.

Version	Art. no.	PU	PG	Info
polar white	630591	1/6	9	



### INSTABUS ARGUS Presence with constant lighting control

Indoor presence detection. Features as for INSTABUS ARGUS Presence, art. no. 630590.

Lighting control triggered by presence is achieved using an integral brightness sensor. With integrated bus coupler.

If the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. ARGUS regulates the artificial light or switches it off when there is sufficient natural light, even if there is still someone in the room. The overshoot time can be adjusted using the ETS.

**Angle of detection:** 360°

**Range:** a radius of max. 7 m from installation site (at a mounting height of 2.50 m).

**Number of levels:** 6

**Number of zones:** 136 with 544 switching segments

**Light sensor:** infinitely adjustable from approx. 10 to 1000 lux using the ETS

**EC guidelines:** Low voltage guideline 73/23/EEC and EMC guideline 89/336/EEC

■ **Accessories:** Surface-mounted housing for ARGUS Presence, art. no. 550619.

■ **Technical Information:** ARGUS Presence (⇒ p. 502)

■ **Contents:** With bus connecting terminal and supporting plate.

Version	Art. no.	PU	PG	Info
polar white	630592	1/6	9	

## Accessories



### Surface-mounted housing for ARGUS Presence

The surface-mounted housing for ARGUS Presence devices also allows them to be surface mounted.

▣ **To be completed with:** ARGUS Presence, art. no. 550590/91.  
INSTABUS ARGUS Presence, art. no. 630590/91/92.

■ **Technical Information:** ARGUS Presence (⇒ p. 502)

Version	Art. no.	PU	PG	Info
polar white	<b>550619</b>	1/21	8	

- Splash-proof comparable to IP 54

■ **Technical Information:** ARGUS light-sensitive switch (⇒ p. 516)

## ARGUS light-sensitive time switch



### ARGUS light-sensitive time switch

#### AC 230 V

Waterproof surface-mounted device with impact-resistant housing. With time function. The light-sensitive time switch combines the functions of a light-sensitive switch and a time switch in a single device.

Choose from between three functions:

#### Twilight function:

The lighting is switched on in the evening and switched off in the morning when the appropriate pre-set twilight threshold is reached.

#### Automatic function:

In the evening, the light is switched on when the pre-set twilight threshold is reached and switched off again at a pre-set time (e.g. 11.00 p.m.). In the morning, the lighting is switched on at a pre-set time (e.g. 5.00 a.m.) and switched off again when the twilight threshold is reached.

#### Semi-automatic function:

In the evening, the light is switched on when the pre-set twilight threshold is reached and switched off again at a pre-set time (e.g. 11.00 p.m.). A special integrated function ensures that the time is automatically adjusted to the ambient brightness. It is not necessary to set the time manually. Relay with  $\mu$  contact. High sensitivity to light. Automatic time adjustment. Large wiring compartment.

**Connected load:** up to 2300 VA

**Max. switching current:** AC 230 V, 10 A  
 $\cos\phi = 0.6$

**Halogen lamps:** AC 230 V, up to 2000 W

**Incandescent lamps:** AC 230 V, up to 2300 W

**Capacitive load:** max. 140  $\mu\text{F}$

**Connecting terminals:** for 2.5 mm<sup>2</sup> rigid conductors

**Adjustment range/switch threshold:** 2 to 300 lux, adjustable

**Dimensions:** approx. 97 x 80 x 47 mm

▣ **Accessories:** Capacitor, art. no. 542895.

■ **Technical Information:** ARGUS light-sensitive switch (⇒ p. 516)

Version	Art. no.	PU	PG	Info
light grey	544890	1/35	8	

## ARGUS light-sensitive switches



### ARGUS compact light-sensitive switch

#### AC 230 V

Waterproof surface-mounted device with fixed switch threshold.

**Connected load:** up to 1100 VA

**Max. switching current:** 5 A ohmic, 2.5 A inductive at  $\cos\phi = 0.5$

**Halogen lamps:** AC 230 V, up to 200 W

**Capacitive load:** max. 21  $\mu\text{F}$

**Adjustment range/switch threshold:** On: 4 to 7 lux

Off: 6 to 18 lux

#### Switching delay

- when switching on: approx. 25 s to 45 s

- when switching off: approx. 30 s to 65 s

**Dimensions:** approx. 81 x 70 x 45 mm

▣ **Accessories:** Capacitor, art. no. 542895.

■ **Technical Information:** ARGUS light-sensitive switch (⇒ p. 516)

Version	Art. no.	PU	PG	Info
light grey	544529	1/45	8	



### ARGUS light-sensitive switch

#### AC 230 V

Waterproof surface-mounted device with impact-resistant housing.

Reinforced relay.

High sensitivity to light.

Large wiring compartment.

**Connected load:** up to 2300 VA

**Max. switching current:** AC 230 V, 10 A,  
 $\cos\phi = 0.6$

**Halogen lamps:** AC 230 V, up to 2000 W

**Incandescent lamps:** AC 230 V, up to 2300 W

**Capacitive load:** max. 140  $\mu\text{F}$

**Connecting terminals:** for 2.5 mm<sup>2</sup> rigid conductors

**Adjustment range/switch threshold:** 3 to 2000 lux, adjustable

#### Switching delay

- when switching on: approx. 40 s

- when switching off: approx. 100 s

**Dimensions:** approx. 97x80x47 mm

▣ **Accessories:** Capacitor, art. no. 542895.

■ **Technical Information:** ARGUS light-sensitive switch (⇒ p. 516)

Version	Art. no.	PU	PG	Info
with switching delay, polar white	544819	1/35	8	



## ARGUS light-sensitive switch

### AC 230 V

Waterproof surface-mounted device with impact-resistant housing.  
Reinforced relay.  
High sensitivity to light.  
Large wiring compartment.

**Connected load:** up to 2300 VA

**Max. switching current:** AC 230 V, 10 A,  
 $\cos\phi = 0.6$

**Halogen lamps:** AC 230 V, up to 2000 W

**Incandescent lamps:** AC 230 V, up to 2300 W

**Capacitive load:** max. 140  $\mu\text{F}$

**Connecting terminals:** for 2.5 mm<sup>2</sup> rigid conductors

**Adjustment range/switch threshold:** 3 to 2000 lux, adjustable

#### Switching delay

- **when switching on:** approx. 40 s

- **when switching off:** approx. 100 s

**Dimensions:** approx. 97x80x47 mm

▶ **Accessories:** Capacitor, art. no. 542895.

■ **Technical Information:** ARGUS light-sensitive switch (⇒ p. 516)

Version	Art. no.	PU	PG	Info
without switching delay, light grey	<b>544829</b>	1/35	8	
with switching delay, light grey	<b>544894</b>	1/35	8	

### Accessories



## Capacitor

### AC 230 V, 0.33 $\mu\text{F}$

For use in push-button circuits to prevent flickering of the neon lamp and/or instantaneous switching of the installation relay when several push-buttons with neon lamps are in use.

For interference suppression of inductive loads, e.g. relays, contactors, fluorescent lamps, transformers, if the induction voltage of these devices leads to the retriggering of the ARGUS.

Version	Art. no.	PU	PG	Info
AC 230 V, 0.33 $\mu\text{F}$	<b>542895</b>	10/450	8	

## ARGUS smoke detector

### All ARGUS smoke detectors are with VdS approval!

- Awaiting BOSEC approval
- Awaiting NFS certification
- Awaiting CoMo certification
- Approved in accordance with EN 14676

The smoke detectors operate in accordance to the scattered light principle and detects smoke before the concentration of smoke becomes dangerous for people. This is signalled by a loud warning tone (about 85 db(A)) and an LED.

In networked systems:

- A detector detects smoke and then the alarm is set off by all connected smoke alarms.

Combination Connect smoke detector and Connect 230 V:

- Radio networking is possible

Mounting options:

- Directly on the ceiling with the screws and plugs supplied
- with a central screw
- On flush-mounted and cavity wall boxes

An installed smoke detector system (Art. no. 6634..., 6637..., 663491) can be extended with smoke detectors with radio networking and 2-wire cable networking.



### ARGUS smoke detector Connect

Battery-powered smoke detector for early detection of smouldering fires and open fires with smoke emission indoors.

With integrated networking options:

- up to 40 wired smoke detectors
- up to 10 smoke detectors in one radio cell per radio

Wired networking is effected via a separate 2-wire.cable (SELV).

#### Functions:

- Self-test
- Battery test: A weak battery is displayed via an acoustic signal as well as a flashing LED.
- Push-button for functional test

**Functional principle:** Scattered light (Tyndall effect)

**Sensitivity:** in accordance with EN 14604

**Battery type:** 9 V monobloc battery, IEC 6LR61, alkali

**Battery failure signal:** approx. every 40 seconds min. for 30 days

**Battery service life:** About two and a half years

**Signal:** approx. 85 dB(A) at 3 m distance

**Display elements:** red LED

**Networking:** max. 40 smoke detectors

**Network cable:** Type J-Y(St)Y 2x2x0.6

**Total cable length** up to 500 m

**Radio frequency** 868 MHz

**Transmission range:** up to 100 m free field, up to 30 m indoors

**Radio operating elements:** Dip switch for addressing/grouping

**Operating ambient temperature:** 0°C to 60°C

**Dimensions:** 112.5 x 45.5 mm (Ø x H)

**Type of protection:** IP 42

**With VdS approval**

**Note:** The wired connection of the ARGUS smoke detector 230 V/ Connect 230 V art. no. 5475..., 5485 is not permitted. With pipe cabling systems a gasket must be installed on site between the ceiling and the smoke detector.

**Contents:** Battery. Screws and plugs.

**Availability:** Available 1st quarter 2007.

Version	Art. no.	PU	PG	Info
polar white	548019	1/10	8.3	
aluminium	548060	1/10	8.3	



### ARGUS smoke detector Connect 230 V

Mains-powered smoke detector with backup battery for early detection of smouldering fires and open fires with smoke build-up indoors.

With integrated networking options:

- up to 40 wired smoke detectors
- up to 10 smoke detectors in one radio cell per radio

Wired networking is carried out via a separate core in the 230 V network.

#### Functions:

- Self-test
- Battery test: A weak battery is displayed via an acoustic signal as well as a flashing LED.
- Push-button for functional test

**Functional principle:** Scattered light (Tyndall effect)

**Sensitivity:** in accordance with EN 14604

**Supply voltage:** AC 230 V, 50 Hz

**Battery type:** 9 V monobloc battery, IEC 6LR61, alkali

**Battery failure signal:** approx. every 40 seconds min. for 30 days

**Battery service life:**

With a 230 V power supply: approx. every 4-5 years, dependent on the self discharge of the battery installed

During normal battery operation: About two and a half years

**Signal:** approx. 85 dB(A) at 3 m distance

**Display elements:** 3 LEDs (red, green, yellow)

**Networking:** max. 40 smoke detectors

**Network cable:** separate, free core e.g.

1 x 1.5 mm<sup>2</sup> in a 230 V network

**Connecting terminals:** looping possible, every 2 x 2.5 mm<sup>2</sup>

**Total cable length** up to 500 m

**Radio frequency** 868 MHz

**Transmission range:** up to 100 m free field, up to 30 m indoors

**Radio operating elements:** Dip switch for addressing/grouping

**Operating ambient temperature:** 0°C to 60°C

**Dimensions:** 112.5 x 45.5 mm (Ø x H); with surface mounting 112.5 x 59.5 mm (Ø x H)

**Type of protection:** IP 42

**With VdS approval**

**Note:** The wired connection of the ARGUS smoke detector Connect art. no. 5480... is not permitted. With pipe cabling systems a gasket must be installed on site between the ceiling and the smoke detector.

**Contents:** Battery. Screws and plugs. Surface-mounted mounting base with a larger wiring compartment.

**Availability:** Delivery period on request.

Version	Art. no.	PU	PG	Info
polar white	548519	1/1	8.3	
aluminium	548560	1/1	8.3	



## ARGUS smoke detector 230 V

Mains-powered smoke detector with backup battery for early detection of smouldering fires and open fires with smoke build-up indoors.

Up to 40 smoke detectors can be wired to a network. Wired networking is carried out via a separate wire in the 230 V network.

### Functions:

- Self-test
- Battery test: A weak battery is displayed via an acoustic signal as well as a flashing LED.
- Push-button for functional test

**Functional principle:** Scattered light (Tyndall effect)

**Sensitivity:** in accordance with EN 14604

**Supply voltage:** AC 230 V, 50 Hz

**Battery type:** 9 V monobloc battery, IEC 6LR61, alkali

**Battery failure signal:** approx. every 40 seconds min. for 30 days

### Battery service life:

With a 230 V power supply: approx. every 4-5 years, dependent on the self discharge of the battery installed

During normal battery operation: About two and a half years

**Signal:** approx. 85 dB(A) at 3 m distance

**Display elements:** 3 LEDs (red, green, yellow)

**Networking:** max. 40 smoke detectors

**Network cable:** separate, free core e.g. 1 x 1.5 mm<sup>2</sup> in a 230 V network

**Connecting terminals:** looping possible, every 2 x 2.5 mm<sup>2</sup>

**Total cable length** up to 500 m

**Operating ambient temperature:** 0 °C to 60 °C

**Dimensions:** 112.5 x 45.5 mm (Ø x H); with surface mounting 112.5 x 59.5 mm (Ø x H)

**Type of protection:** IP 42

**With VdS approval**

- **Note:** The wired connection of the ARGUS smoke detector Connect art. no. 5480.. is not permitted. With pipe cabling systems a gasket must be installed on site between the ceiling and the smoke detector.

**Contents:** Battery. Screws and plugs. Surface-mounted mounting base with a larger wiring compartment.

**Availability:** Delivery period on request.

Version	Art. no.	PU	PG	Info
polar white	547519	1/1	8.3	
aluminium	547560	1/1	8.3	



## ARGUS smoke detector Basic

Battery-powered smoke detector for early detection of smouldering fires and open fires with development of smoke indoors.

### Functions:

- Self-test
- Battery test: A weak battery is displayed via an acoustic signal as well as a flashing LED.
- Push-button for functional test

**Functional principle:** Scattered light (Tyndall effect)

**Sensitivity:** in accordance with EN 14604

**Battery type:** 9 V monobloc battery, IEC 6LR61, alkali

**Battery failure signal:** approx. every 40 seconds min. for 30 days

**Battery service life:** About three years

**Signal:** approx. 85 dB(A) at 3 m distance

**Display elements:** red LED

**Operating ambient temperature:** 0 °C to 60 °C

**Dimensions:** 112.5 x 45.5 mm (Ø x H)

**Type of protection:** IP 42

**With VdS approval**

- **Note:** With pipe cabling systems a gasket must be installed on site between the ceiling and the smoke detector.

**Contents:** Battery. Screws and plugs.

Version	Art. no.	PU	PG	Info
polar white	547019	1/23	8.3	



## ARGUS smoke detector Basic Longlife

Battery-powered smoke detector for early detection of smouldering fires and open fires with smoke emission indoors.

With lithium battery for extended service life.

### Functions:

- Self-test
- Battery test: A weak battery is displayed via an acoustic signal as well as a flashing LED.
- Push-button for functional test

**Functional principle:** Scattered light (Tyndall effect)

**Sensitivity:** in accordance with EN 14604

**Battery type:** 9 V monobloc battery, lithium

**Battery failure signal:** approx. every 40 seconds min. for 30 days

**Battery service life:** About ten years

**Signal:** approx. 85 dB(A) at 3 m distance

**Display elements:** red LED

**Operating ambient temperature:** 0 °C to 60 °C

**Dimensions:** 112.5 x 45.5 mm (Ø x H)

**Type of protection:** IP 42

**With VdS approval**

- **Note:** With pipe cabling systems a gasket must be installed on site between the ceiling and the smoke detector.

**Contents:** Battery. Screws and plugs.

Version	Art. no.	PU	PG	Info
polar white	547119	1/23	8.3	