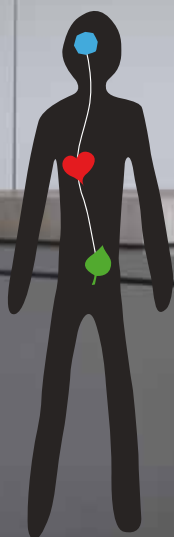


niko
Illuminating ideas.

General catalogue

2011 - 2012

Export



Niko Home Control



Daylight control

Save energy

Automatically switching lights on and off. Detectors offer increased comfort and help saving a considerable amount of energy.

With automatic lighting control, the lighting is adjusted to the appropriate level, as a function of the intensity of the incident daylight, with the aid of dimmers and daylight-dependent control.



ADVANTAGES FOR THE USER

- the room is illuminated ideally
- ergonomic aspect (better concentration, less easily fatigued ...)
- optimal use the natural light
- up to 70% less energy consumption by using a combination of daylight control, photo cells and a motion detector
 - smaller energy bill
 - less environmental impact
- simple control

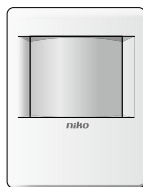


ADVANTAGES FOR THE INSTALLER

- simple wiring
- easy programming thanks to the preprogrammed modes
- products in lighting control range can be used with all types of control gear (dimmable or non-dimmable)
- lighting can be controlled with the Nikobus home automation system or with a simple push-button



Automatic lighting control is more than worth the investment. The installer, the user and the environment all stand to benefit from it. In addition, the investment has a very short payback time.



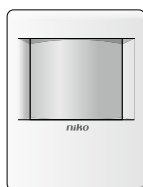
Motion detector 90°, 24V, range 9m

Motion detector suitable for motion detection in warehouses or aisles. To be used in combination with daylight control module 360-35010, 360-45010 or 360-45011 for lighting control. At a max. mounting height of 8m, the detection range covers a surface of 9m(L)x1m(W). For outdoor applications, use the IP54 protection cap 390-20010. This cap must be ordered separately.

- 24V DC \pm 10%
- output contact: ON/OFF (NPN transistor)
- max. power consumption: < 5mA
- detection range: 90°; 0.5 to 9m(L)x1m(W)
- protection degree: IP20
- operating temperature: -20 to 50°C

Complete unit

Complete unit **350-20011** Pack: 1



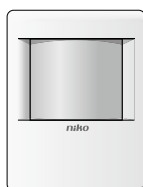
Motion detector 90°, 24V, range 0.5-15m

Motion detector suitable for motion detection at an angle of 90° and over a distance of 0.5m to 15m. To be used in combination with daylight control module 360-35010, 360-45010 or 360-45011 for lighting control. For outdoor applications, use the IP54 cover cap 390-20010.

- 24V DC \pm 10%
- contact: ON/OFF (NPN transistor)
- max. power consumption: < 5mA
- output
- detection range: 90°; 0.5 to 15m
- protection degree: IP20
- operating temperature: -20 to 50°C

Complete unit

Complete unit **350-20010** Pack: 1



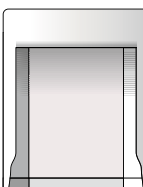
Motion detector, 90°, 24V, range with light sensor 0.5-15m

Motion detector with built-in light sensor for outdoor applications. Suitable for motion detection at an angle of 90° and over a distance of 0.5m to 15m. To be used in combination with daylight control module 360-35010 for lighting control. Use of IP54 protection cap 390-20010 is required. This cap must be ordered separately.

- 24V DC \pm 10%
- output contact: ON/OFF (NPN transistor)
- max. power consumption: < 5mA
- light sensitivity: 3 to 300lux
- detection range: 90°; 0.5 to 15m
- protection degree: IP20
- operating temperature: -20 to 50°C

Complete unit

Complete unit **350-30010** Pack: 1



Protection cap IP54 for motion detector 90°

Can be used to make 350-20010, 350-20011 or 350-30010 splash proof.

Complete unit

Complete unit **390-20010** Pack: 10



Presence detector 180°, 24V

Intelligent presence detector suitable for ceiling mounting in offices. Fast detection, sensitive to the slightest movements, via passive infrared (PIR) and ultrasonic (US). Presence detection behind office walls by means of US. Automatically adapts sensitivity according to the movements registered. Equipped with an integrated light sensor. To be used in combination with power supply 360-37000 or 360-47000 which switches the load or in combination with daylight control module 360-35010, 360-45010 or 360-45011 for lighting control. The detection range can be subdivided by means of an adjustable protection mask.

- 24V DC \pm 10%
- power consumption: max. 18mA
- output contact 1: ON/OFF (NPN transistor) sensitive to light/motion
- output contact 2: ON/OFF (NPN transistor) sensitive to motion
- potential-free contact, N.O. or N.C.
- mounting height: 2.5m
- detection range, small movements: 180°, 0.5 to 3.5m
- detection range, large movements: 180°, 3.5 to 9m
- hysteresis on light sensitivity: +10%
- switch-off delay: 8 to 40min
- light sensitivity: 10 to 1000lux
- protection degree: IP40
- operating temperature: -5 to 50°C

Complete unit

Complete unit **350-20110** Pack: 1

Presence detector 360°, 24V

Intelligent presence detector suitable for ceiling mounting in offices. Fast detection, sensitive to the slightest movements, via passive infrared (PIR) and ultrasonic (US). Presence detection behind office walls by means of US. Automatically adapts sensitivity according to the movements registered. Equipped with an integrated light sensor. To be used in combination with power supply 360-37000 or 360-47000 which switches the load or in combination with daylight control module 360-35010, 360-45010 or 360-45011 for lighting control. The detection range can be subdivided by means of an adjustable protection mask.

- 24V DC \pm 10%
- power consumption: max. 33mA
- output contact 1: ON/OFF (NPN transistor) sensitive to light/motion
- output contact 2: ON/OFF (NPN transistor) sensitive to motion
- potential-free contact, N.O. or N.C.
- mounting height: 2.5m
- detection range, small movements: 360°, 0.5 to 3.5m
- detection range, large movements: 360°, 3.5 to 9m
- hysteresis on light sensitivity: +10%
- switch-off delay: 8 to 40min
- light sensitivity: 10 to 1000lux
- protection degree: IP40
- operating temperature: -5 to 50°C

Complete unit

Complete unit	350-2011	Pack: 1
---------------	-----------------	---------

Mounting plate for surface mounting

Mounting plate for surface mounting of presence detectors 350-20110 and 350-20111.

Complete unit

Complete unit	390-2010	Pack: 1
---------------	-----------------	---------

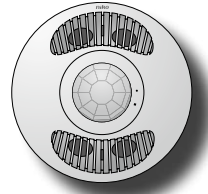
Lighting control with combination of light, movement and time

Energy-savings thanks to the optimal use of lighting. Modular lighting control to be used in combination with a photo cell and motion detector(s). Switches on automatically, depending on the measured level of daylight and motion detection. Automatically switches off in case of insufficient daylight or after switch-off delay. Optional control via N.O. push button. Suitable for indoor and outdoor applications. Complies with the European directives for EMC and safety EN60669-2-1.

- 230V AC \pm 10%
- relay contact: N.O. max. 10A
- incandescent lamps: 2300W
- 230V halogen: 500W
- all low-voltage halogen lamps: 500VA
- fluorescent lamps (non-compensated): 1200VA
- max. switching capacity: 140 μ F
- secondary voltage: 24V DC \pm 10%
- light range: 3 to 300lux, 30 to 3klux, 300 to 30klux
- hysteresis on light sensitivity: +10%
- dimensions: 2 DIN modules (H90mm x W35mm x D55mm)
- switch-off delay: 0 to 60min
- protection degree: IP20
- operating temperature: 5 to 50°C

Complete unit

Complete unit	360-35010	Pack: 1
---------------	------------------	---------



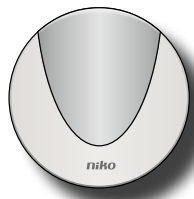
**Photo cell IP54 (3-300lux)**

Photo cell for outdoor applications (IP54). To be used in combination with twilight switch 350-15010. The photo cell has a fixed range of 3-300lux.

- 56V DC \pm 10%
- output signal: 0-10V
- light sensitivity: 3-300lux
- protection degree: IP54
- operating temperature: -40 to 50°C

Complete unit

Complete unit

350-10010

Pack: 10

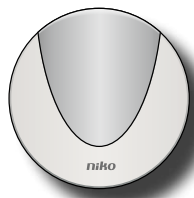
**Photo cell IP20, adjustable measuring range**

Photo cell for indoor applications (IP20). To be used in combination with daylight control modules 360-35010, 360-45010, 360-45011. The photo cell has a variable range of 3-300lux, 30-3Klux, 300-30Klux or 600-60Klux. Suitable for outdoor applications if the IP54 protection cap 390-10011 is used. This cap must be ordered separately.

- 24V DC \pm 10%
- output signal: 0-10V
- light sensitivity: 3-300...600-60Klux
- protection degree: IP20
- operating temperature: -40 to 50°C

Complete unit

Complete unit

350-10011

Pack: 10

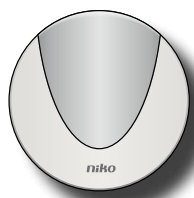
**Photo cell IP54, adjustable measuring range**

Photo cell for outdoor applications (IP54). To be used in combination with twilight switch 350-15011 and daylight control module 360-35010. The photo cell has a variable range of 3-300lux, 30-3Klux, 300-30Klux or 600-60Klux.

- 24V DC \pm 10%
- output signal: 0-10V
- light sensitivity: 3-300...600-60Klux
- protection degree: IP54
- operating temperature: -40 to 50°C

Complete unit

Complete unit

350-10012

Pack: 10

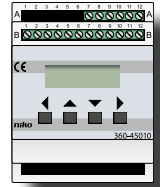
Daylight control ON/OFF

Energy-savings thanks to an optimal use of lighting. Modular daylight control for zone-based switching of indoor lighting. Use in combination with a photo cell, motion detector(s) and power supply 360-47000 for switching loads. Switches on automatically, depending on the measured level of daylight and motion detection. Automatically switches off in case of insufficient daylight or after switch-off delay. Optional control via a time switch, N.O. push button or 4-fold push button with feedback LEDs. Equipped with 4 preprogrammed applications. Complies with the European directives for EMC and safety EN60669-2-1.

- 24V DC \pm 10%
- zones: 1, 2 or 3
- light range: 3 to 300lux, 30 to 3Klux, 300 to 30Klux, 600 to 60Klux
- hysteresis: + 10% to + 80%
- switch-off delay: 0 to 60min
- protection degree: IP20
- dimensions: 4 DIN modules (H90mm x W70mm x D55mm)
- operating temperature: 5 to 50°C

Complete unit

Complete unit	360-45010	Pack: 1
---------------	------------------	---------



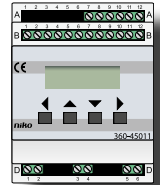
Dimmable daylight control

Energy-savings thanks to an optimum use of lighting. Modular daylight control for zone-based dimming of indoor lighting. Equipped with three I-10V outputs for controlling dimmable, electronic control gear (ECG) for fluorescent, compact fluorescent lighting. Use in combination with a photo cell, motion detector(s) and power supply 360-47000 for switching loads. Automatic lighting control depending on the measured level of daylight and motion detection. Automatically switches off in case of insufficient daylight or after switch-off delay. Optional control via time switch, N.O. push button or 4-fold push button with feedback LEDs. Equipped with 5 preprogrammed applications. Complies with the European directives for EMC and safety EN60669-2-1.

- 24V DC \pm 10%
- output 1, 2 and 3: I-10V, max. dimming capacity 50mA
- zones: 1, 2 or 3
- light range: 3 to 300lux, 30 to 3Klux, 300 to 30Klux, 600 to 60Klux
- switch off delay: 0 to 60min
- protection degree: IP20
- dimensions: 4 DIN modules (H90mm x W70mm x D55mm)
- operating temperature: 5 to 50°C

Complete unit

Complete unit	360-45011	Pack: 1
---------------	------------------	---------



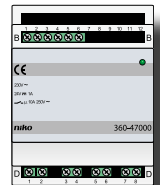
Power supply daylight control 24V/1A

Power supply for daylight control module 360-45010, 360-45011. As stand-alone power supply, suitable for presence detector 350-20110, 350-20111. Equipped with 3 relay contacts that switch the load. Built-in overvoltage protection. Complies with the European directives for EMC and safety EN60669-2-1.

- 230V AC \pm 10%
- secondary voltage: 24V DC \pm 10%, max. 1A
- relay contact 1, 2 and 3: N.O. max. 10A
- incandescent lamps: 2300W
- 230V halogen: 500W
- all low-voltage halogen lamps: 500VA
- fluorescent lamps (non-compensated): 1200VA
- max. switching capacity: 140 μ F
- 3 NPN transistor inputs
- protection degree: IP20
- dimensions: 4 DIN modules (H90mm x W70mm x D55mm)
- operating temperature: 5 to 50°C

Complete unit

Complete unit	360-47000	Pack: 1
---------------	------------------	---------

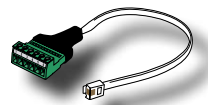


Cable for connection to daylight control

Bus cable adapter suitable for the connection between daylight control module 360-45010, 360-45011 and a bus system (e.g. Nikobus).

Complete unit

Complete unit	390-40010	Pack: 10
---------------	------------------	----------

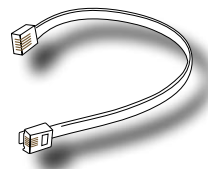


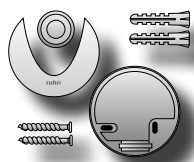
Cable for connection to daylight control (RJ12)

RJ12 cable suitable for the connection of daylight control module 360-45010, 360-45011 to power supply 360-47000.

Complete unit

Complete unit	390-40011	Pack: 10
---------------	------------------	----------



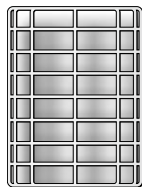


Protection cap IP54 for motion detector 90°

Protection cap for outdoor applications. Suitable for upgrading photo cell 350-10011 with IP20 protection degree to IP54.

Accessories

Complete unit **390-10011** Pack: 10

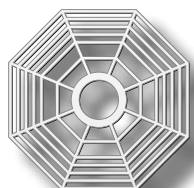


Vandalproof protection cap for wall mounting

Metal protection cap for motion detectors 350-20011, 350-20010 and 350-30010.

Accessories

Complete unit **390-20000** Pack: 1



Vandalproof protection cap for ceiling mounting

Metal protection cap for presence detectors 350-20110, 350-20111, 350-20053, 350-20054 and 350-20055.

Accessories

Complete unit **390-20001** Pack: 1



Power supply 24V/40mA with 10A contact

Power supply suitable for presence detectors 350-20110, 350-20111. Equipped with a 10A relay contact that switches the load. Built-in overvoltage protection. Complies with the European directives for EMC and safety EN60669-2-1.

- 230V AC $\pm 10\%$
- secondary voltage: 24V DC $\pm 10\%$, max. 40mA
- relay contact: N.O. max. 10A
- incandescent lamps: 2300W
- 230V halogen: 500W
- all low-voltage halogen lamps: 500VA
- fluorescent lamps (non-compensated): 1200VA
- max. switching capacity: 140 μ F
- NPN transistor input
- protection degree: IP20
- dimensions: 2 DIN modules (H90mm x W35mm x D55mm)
- operating temperature: 5 to 50°C

Accessories

Complete unit **360-37000** Pack: 1



Power supply daylight control 24V/1A

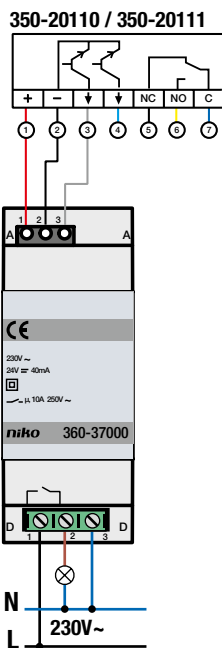
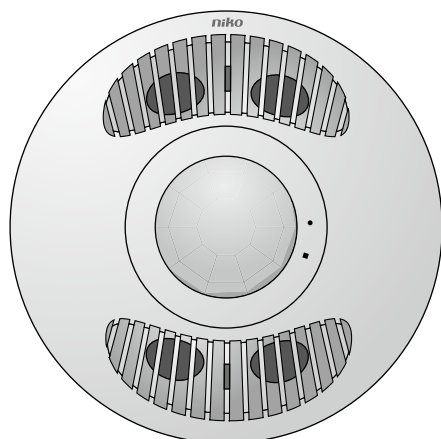
Power supply 230V AC / 24V DC, max. 1A. Built-in overvoltage protection. Complies with the European directives for EMC and safety EN60669-2-1.

- 230V AC $\pm 10\%$
- secondary voltage: 24V DC $\pm 10\%$, max. 1A
- protection degree: IP20
- dimensions: 4 DIN modules (H90mm x W70mm x D55mm)
- operating temperature: 5 to 50°C

Accessories

Complete unit **360-47001** Pack: 1

**Presence detector 24V dc
350-201IX**

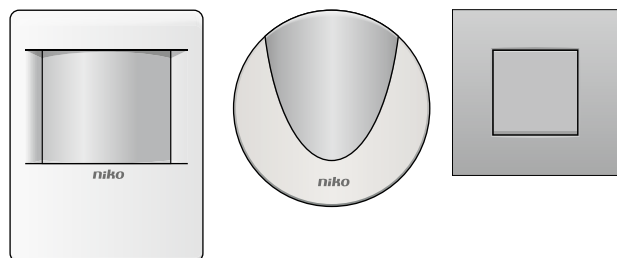


- ① red
- ② black
- ③ grey (motion + lighting)
- ④ blue (motion)
- ⑤ black / white
- ⑥ yellow / white
- ⑦ blue / white

Lighting control with combination of lighting, motion and time

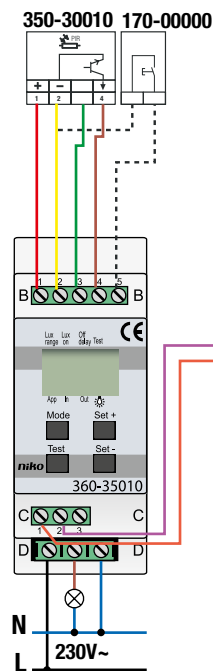
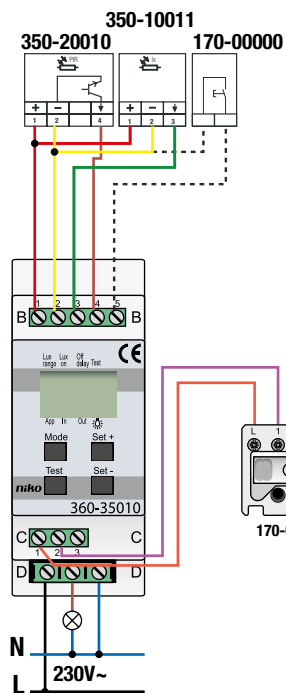
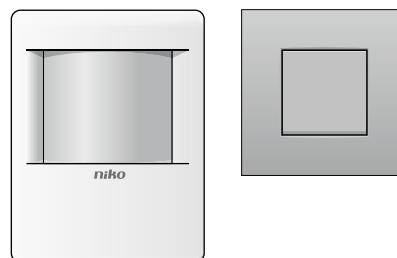
For indoor application

- with separate light sensor 350-1001I
- with separate motion detector 350-2001X

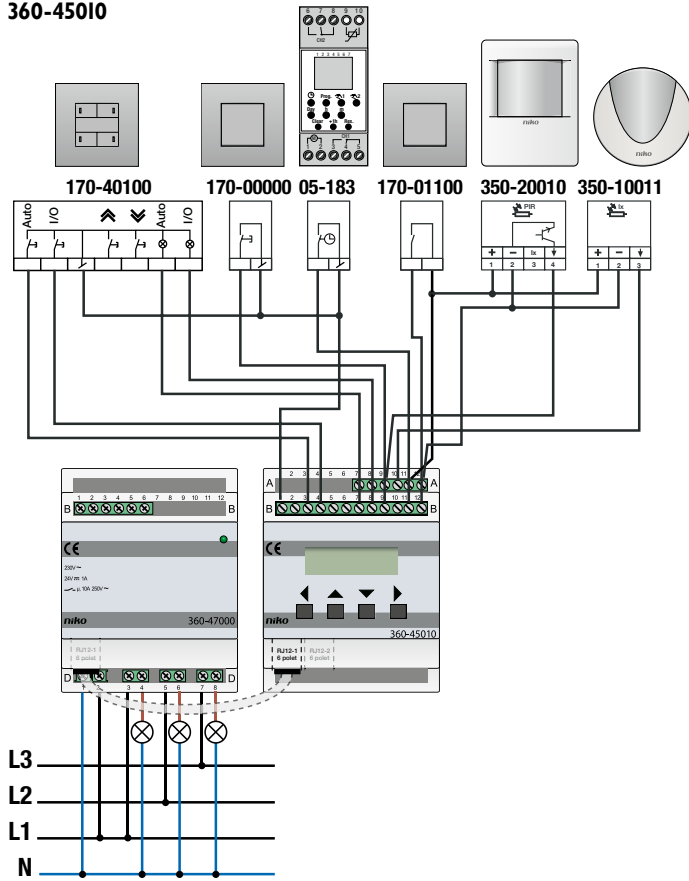


For outdoor application

- with separate motion detector 350-30010 that is provided with an integrated light sensor



Daylight control on/off
360-45010



Daylight control dimmable
360-45011

