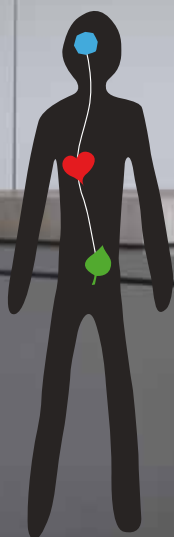


**niko**  
*Illuminating ideas.*

# General catalogue

2011 - 2012

Export



**Niko Home Control**



# Detectors

For more comfort and security

Automatically switching on and off. It offers more comfort, but also more security.

## TECHNICAL ADVANTAGES



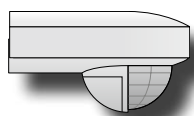
- **motion detector:**
  - immediately ready for use after installation
  - large detection range, fast detection
  - combination of light and motion



- **flush-mounting ceiling motion detector:**
  - extremely compact for discreet mounting on the ceiling
  - detection range of 360°
  - circular detection area up to 12m
  - can easily be set using the remote control unit or on the device itself



- **outdoor motion detector:**
  - compact design
  - resistant to all weather conditions
  - 180° sensor; detection range can be reduced
  - easy installation; immediately ready to use
  - protection degree: IP54
  - detection area up to 14m



### Outdoor motion detector 180°, 230V, 14m

One-channel outdoor motion detector for use along driveways, in gardens, etc. Equipped with an integrated light sensor. Detection range adjustable between 0-14m. Automatic or manual on via a 230V AC N.O. push button. Automatic off after switch-off delay. Equipped with a rotatable motion sensor. The detection range can be subdivided by means of an adjustable protection mask. Complies with the European directives for EMC and safety EN60669-2-1.



#### Replaces 32-830-03.

- 230V AC  $\pm 10\%$
- relay contact: N.O. max. 10A, sensitive to light and motion
- incandescent lamps: 2300W
- 230V halogen: 2300W
- all low-voltage halogen lamps: 2300VA
- fluorescent lamps (non-compensated): 1200VA
- max. switching capacity: 140 $\mu$ F
- detection angle: 180°
- mounting height: 2.5m
- detection range: semi-circle, diameter max. 14m
- hysteresis on light sensitivity: +10%
- light sensitivity: 3lux-infinite
- switch-off delay: 8s-30min
- protection degree: IP54
- operating temperature: -20 to 45°C

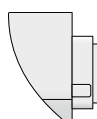
#### Complete unit

Complete unit

350-20050

Pack: 1

#### Accessories



#### 390-20050

Complete unit

Pack: 1

### Outdoor motion detector 180°, 230V, 14m, for wall mounting

The outdoor motion detector with one channel to be surface mounted on a wall or partition is suitable for use on driveways and in gardens. Equipped with an integrated light sensor. Detection range adjustable between 0 and 14m. Automatic on/off (after switch-off delay) or manual on/off via an NC push button. The detection area can be divided by means of an adjustable cover mask. In compliance with the European EN60669-2-1 standard for EMC and safety.

- 230V  $\sim \pm 10\%$
- relay contact: NO (max. 10A), light and motion sensitive
- incandescent lamps: 2300W
- 230V halogen lamps: 2300W
- all low-voltage halogen lamps: 2300VA
- fluorescent lamps (non-compensated): 1200VA
- maximum switching capacity: 140 $\mu$ F
- detection angle: 180°
- mounting height: 2.5m
- detection area: semicircular, up to 14m
- light sensitivity: 5 –  $\infty$  lux
- switch-off delay: 8" – 30'
- IP54
- operating temperature: -20 – 45°C

#### Complete unit

Complete unit

350-20058

Pack: 1

### Presence detector 360°, 2-channel 10A

Two-channel presence detector designed for use in a classroom or conference room. Channel 1 switches the room lighting based on daylight control. Channel 2 switches the board lighting based on motion detection. Equipped with a built-in light sensor. Manual on/off via 230V AC N.O. push button. Automatic off after switch-off delay. The detection range can be subdivided by means of an adjustable protection mask. Complies with the European directives for EMC and safety EN60669-2-1

- 230V AC  $\pm 10\%$
- relay contact 1: N.O. max. 10A, sensitive to light and motion
- relay contact 2: N.O. max. 10A, sensitive to motion
- incandescent lamps: 2300W
- 230V halogen: 2300W
- all low-voltage halogen lamps: 500VA
- fluorescent lamps (non-compensated): 1200VA
- max. switching capacity: 140 $\mu$ F
- detection angle: 360°
- mounting height: 2.5m
- detection range: circular, diameter max. 20m
- hysteresis on light sensitivity: +10%
- switch-off delay: 1-30min
- light sensitivity: 10-1000lux
- protection degree: IP20
- operating temperature: -5 to 50°C

#### Complete unit

Complete unit

350-20053

Pack: 1



**Presence detector 360°, 1-channel 10A**

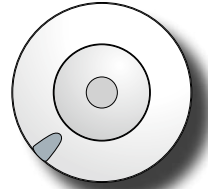
One-channel presence detector with daylight control for ceiling mounting. Suitable for switching indoor lighting. Equipped with an integrated light sensor. Automatic on/off (after switch-off delay) or manual on/off via 230V AC N.O. push button. The detection range can be subdivided by means of an adaptable protection mask. Complies with the European directives for EMC and safety EN60669-2-1.

**Replaces 32-831-03**

- 230V AC ± 10%
- relay contact: N.O. max. 10A, sensitive to light and motion
- incandescent lamps: 2300W
- 230V halogen: 2300W
- all low-voltage halogen lamps: 500VA
- fluorescent lamps (non-compensated): 1200VA
- max. switching capacity: 140A/F
- detection angle: 360°
- mounting height: 2.5m
- detection range: circular, diameter max. 20m
- hysteresis on light sensitivity: + 10%
- switch-off delay: 1-30min
- light sensitivity: 10-1000lux
- protection degree: IP20
- operating temperature: -5 to 50°C

**Complete unit**

Complete unit	<b>350-20054</b>	Pack: 1
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**Presence detector 360°, 2-channel (lighting + ventilator)**

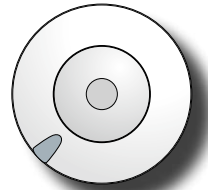
Two-channel presence detector for ceiling mounting. Suitable for switching indoor lighting and ventilation. Equipped with a built-in light sensor. Automatic on/off after (switch-off delay) or manual on/off via 230V AC N.O. push button. The detection range can be subdivided by means of an adaptable protection mask. Complies with the European directives for EMC and safety EN60669-2-1.

**Replaces 32-832-03**

- 230V AC ± 10%
- relay contacts 1 and 2: N.O. max. 10A, sensitive to light and motion
- incandescent lamps: 2300W
- 230V halogen: 2300W
- all low-voltage halogen lamps: 500VA
- fluorescent lamps (non-compensated): 1200VA
- max. switching capacity: 140A/F
- motor: 690VA
- detection angle: 360°
- mounting height: 2.5m
- detection range: circular, diameter max. 20m
- hysteresis on light sensitivity: + 10%
- switch-off delay: 1-30min
- light sensitivity: 10-1000lux
- protection degree: IP20
- operating temperature: -5 to 50°C

**Complete unit**

Complete unit	<b>350-20055</b>	Pack: 1
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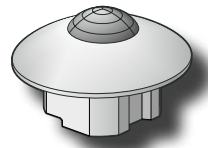
**Presence detector 360°, 1-channel 10A, for flush mounting in ceiling**

The presence detector with one channel and daylight control for flush mounting in the ceiling is suitable for switching indoor lighting on and off. Equipped with an integrated light sensor. Automatic on/off (after switch-off delay) or manual on/off via an NO push button. In compliance with the European EN60669-2-1 standard for EMC and safety.

- 230V ~ ± 10%
- relay contact: NO (max. 10A)
- incandescent lamps: 2300W
- 230V halogen lamps: 2300W
- all low-voltage halogen lamps: 500VA
- fluorescent lamps (non-compensated): 1200VA
- maximum switching capacity: 140A/F
- detection angle: 360°
- mounting height: 2.5 – 4m
- detection area: circular (diameter: 7 – 12m)
- switch-off delay: 5", 2 – 30'
- light sensitivity: 30 – 2000lux
- IP20
- operating temperature: -5 – 50°C

**Complete unit**

Complete unit	<b>350-20056</b>	Pack: 1
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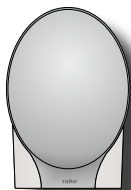
**Accessories**



**350-20057**  
IR remote control  
Pack: 1



**390-20056**  
Complete unit  
Pack: 1



#### Twilight switch, 230V, I-channel 16A

Twilight switch for outdoor wall mounting (IP54); suitable for switching outdoor lighting. Light sensitivity adjustable from 2 to 200lux. Large sensor surface for accurate light measurement. Complies with the European directives for EMC and safety EN60669-2-1.

- 230V AC  $\pm 10\%$
- relay contact: N.O. max. 16A
- incandescent lamps: 3000W
- 230V halogen: 3000W
- all low-voltage halogen lamps: 3000VA
- fluorescent lamps (non-compensated): 3000VA
- gas vapour lamps (high/low pressure): 250W
- low-pressure sodium/mercury lamps: 250W
- hysteresis on light sensitivity:  $+ 50\%$
- switch-off delay:  $\pm 60s$
- light sensitivity: 2-200lux
- protection degree: IP54
- dimensions: H103mm x W73mm x D47mm

#### Complete unit

Complete unit

350-I0030

Pack: 5



#### Twilight switch, 230V, I-channel 10A

Twilight switch for outdoor wall mounting (IP44); suitable for switching outdoor lighting. Light sensitivity adjustable from 5 to 300lux. 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 $\mu$ F
- hysteresis on light sensitivity:  $+ 50\%$
- switch-off delay:  $\pm 60s$
- light sensitivity: 5-300lux
- protection degree: IP54
- operating temperature:  $-25$  to  $45^{\circ}C$
- dimensions: H95mm x W73mm x D47mm

#### Complete unit

Complete unit

350-I0031

Pack: 1



#### Twilight switch, 24V, I-channel 4A

Twilight switch for outdoor wall mounting (IP54); suitable for switching outdoor lighting. Light sensitivity adjustable from 2 to 200lux. Large sensor surface for accurate light measurement. Complies with the European directives for EMC and safety EN60669-2-1.

- 24V AC/DC  $\pm 10\%$
- relay contact: N.O. max. 4A
- incandescent lamps: 40W
- hysteresis on light sensitivity:  $+ 50\%$
- switch-off delay:  $\pm 60s$
- light sensitivity: 2-200lux
- protection degree: IP54
- operating temperature:  $-50$  to  $50^{\circ}C$
- dimensions: H102mm x W73mm x D39mm

#### Complete unit

Twilight switch, 24V, 1 channel, 4A

350-I0032

Pack: 1



#### Twilight switch, set of module and photo cell

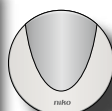
Modular twilight switch suitable for switching outdoor lighting. Light sensitivity adjustable between 3 and 300lux. Consists of photo cell 350-I0010 for outdoor applications (IP54) and module 350-I5010.

#### Complete unit

Complete unit

350-I0000

Pack: 1



#### Twilight switch with time block, set of module and photo cell

Modular twilight switch with time block; suitable for switching outdoor lighting. Light sensitivity adjustable between 3 and 300lux. Consists of photo cell 350-I0012 for outdoor applications (IP54) and module 350-I5011.

#### Complete unit

Complete unit

350-I0001

Pack: 1

**Twilight switch, only module**

Modular twilight switch suitable for switching outdoor lighting. To be used in combination with photo cell 350-10010. Light sensitivity adjustable from 3 to 300lux. 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 $\mu$ F
- hysteresis on light sensitivity:  $\pm 10\%$
- switch-off delay:  $\pm 60$ s
- light sensitivity: 3-300lx
- protection degree: IP20
- operating temperature: 5 to 50°C

**Complete unit**

Complete unit **350-15010** Pack: 1



**Twilight switch with time block, only module**

Modular twilight switch suitable for switching outdoor lighting. To be used in combination with photo cell 350-10012. Light sensitivity adjustable from 3 to 300lux. Lux ON/OFF separately adjustable. Lux ON > lux OFF, negative hysteresis for light sensitivity. An active time block switches off the light for a set period of time. 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 $\mu$ F
- switch-off delay:  $\pm 60$ s
- setting range lux ON: 3-300lux
- setting range lux OFF: between 10% and 70% of lux ON (range 3-90lux)
- protection degree: IP20
- operating temperature: 5 to 50°C

**Complete unit**

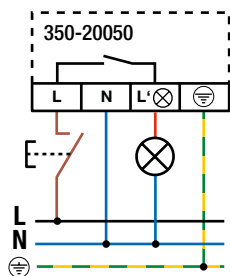
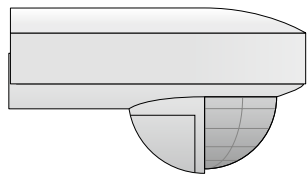
Complete unit **350-15011** Pack: 1



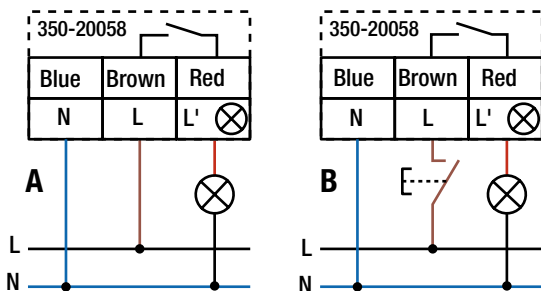




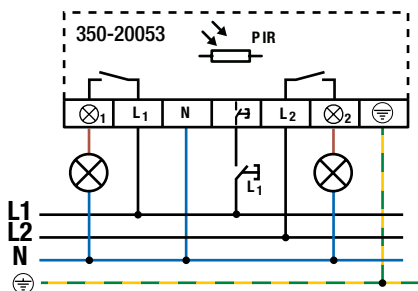
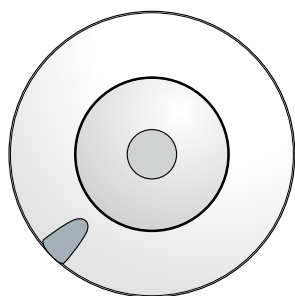
**Outdoor motion detector 180°, 230V~, 14m**  
350-20050



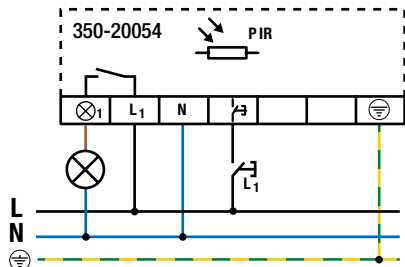
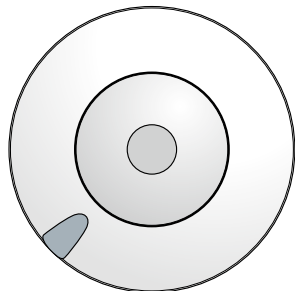
**Outdoor motion detector 180°, 230V~, 14m**  
350-20058



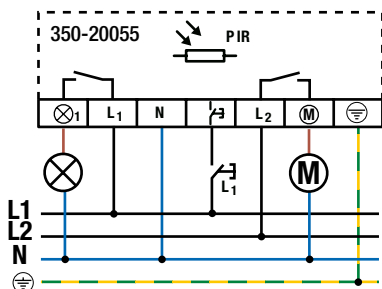
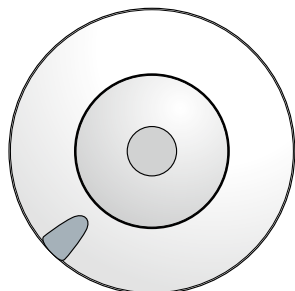
**Presence detector 360°, 2 channels IOA**  
350-20053



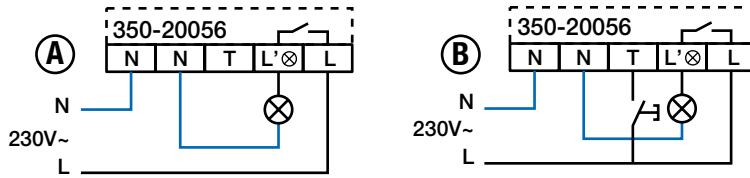
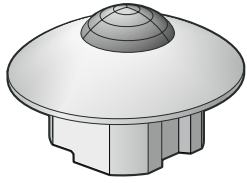
**Presence detector 360°, 1 channel IOA**  
350-20054



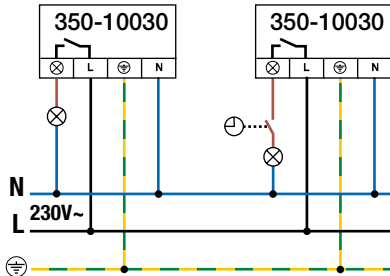
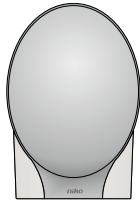
**Presence detector 360°, 2 channels (lighting + ventilator)**  
350-20055



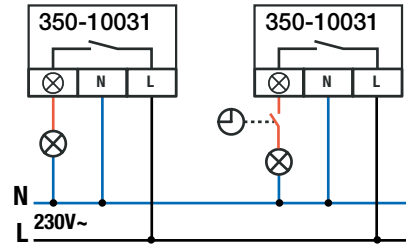
**Presence detector 360°, 1 channel IOA, for recessed mounting on ceilings**  
**350-20056**



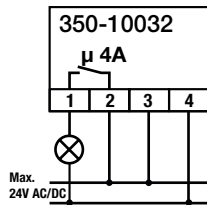
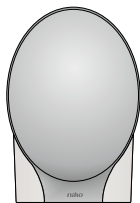
**Twilight switch 230V~**  
**350-10030**



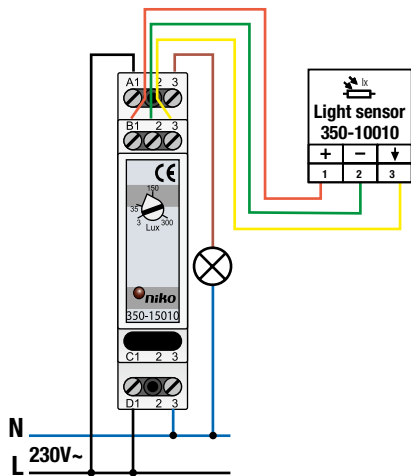
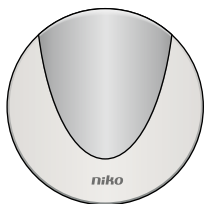
**350-10031**



**Twilight switch 24V**  
**350-10032**



**Modular twilight switch 350-15010 with separate light sensor 350-10010**



**Modular twilight switch 350-15011 with separate light sensor 350-10012**

