Chapter 5
Detectors

5

niko

230 V outdoor

In this chapter:

- outdoor detectors
- twilight switches
- daylight control modules

	Article number	Description
	351-03160	Outdoor motion detector, 200°, 230 V, 11 m
	351-03165	Outdoor motion detector, 200°, 230 V, 11 m, black
	351-03170	Outdoor motion detector, 200°, 230 V, 11 m, alu
	351-03140	Outdoor motion detector 140°, 230 V, 11 m
	351-03145	Outdoor motion detector 140°, 230 V, 11 m, black
	351-26450	Outdoor motion detector Swiss Garde, 200°, 230 V, 14 m
	351-26470	Outdoor motion detector Swiss Garde, 200°, 230 V, 14 m, black
	351-26480	Outdoor motion detector Swiss Garde, 200°, 230 V, 14 m, alu
	350-20058	Outdoor motion detector, 180°, 230 V, 16 m
	350-20158	Outdoor motion detector, 180°, 230 V, 13 m, black
	350-20050	Outdoor motion detector, 180°, 230 V, 16 m, with orientable lens
	350-20150	Outdoor motion detector, 180°, 230 V, 13 m, with orientable lens, black
	351-26550	Swiss Garde outdoor motion detector, 120°, 230 V, 16 m
	351-26552	Swiss Garde outdoor motion detector, 120°, 230 V, 16 m, black
	351-26560	Swiss Garde outdoor motion detector, 240°, 230 V, 16 m
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	351-26570	Swiss Garde outdoor motion detector, 300°, 230 V, 16 m
	351-26572	Swiss Garde outdoor motion detector, 300°, 230 V, 16 m, black
	350-10030	Twilight switch, 230 V, one channel, 10 A, 2-200 lux
	350-10033	Twilight switch, 230 V, one channel, 16 A, 3-300 lux
	350-10032	Twilight switch, 24 V, one channel, 4 A, 2-200 lux
	360-36194	Daylight control module with twilight switch, 3-300 lux
	360-35010	Daylight control module with combination of light, movement and time

Master/Secondary	Protection degree	Number of channels/ number of zones	Detection angle	Mounting height	Detection range Ceiling: at a height of 3 m Outdoor: at a height of 2.5 m Wall: at a height of 1.2 m	Commissioning method 1	Commissioning method 2	Commissioning method 3	Page
-	IP44	1 ch	200°	2-4 m	11 m	-	-	On the device	5.A-1
-	IP44	1 ch	200°	2-4 m	11 m	-	-	On the device	5.A-1
-	IP44	1 ch	200°	2-4 m	11 m	-	-	On the device	5.A-1
-	IP44	1 ch	140°	2-4 m	11 m	-	-	On the device	5.A-1
-	IP44	1 ch	140°	2-4 m	11 m	-	-	On the device	5.A-1
-	IP55	1 ch	200°	2-8 m	14 m	App	Remote control	On the device	5.A-2
-	IP55	1 ch	200°	2-8 m	14 m	App	Remote control	On the device	5.A-2
-	IP55	1 ch	200°	2-8 m	14 m	App	Remote control	On the device	5.A-2
-	IP54	1 ch	180°	2-3 m	16 m	-	-	On the device	5.A-2
-	IP54	1 ch	180°	2-3 m	13 m	-	-	On the device	5.A-3
-	IP54	1 ch	180°	2-3 m	16 m	-	-	On the device	5.A-3
-	IP54	1 ch	180°	2-3 m	13 m	-	-	On the device	5.A-4
-	IP54	1 ch	120°	2-5 m	16 m	App	Remote control	On the device	5.A-5
-	IP54	1 ch	120°	2-5 m	16 m	App	Remote control	On the device	5.A-5
-	IP54	1 ch	240°	2-5 m	16 m	App	Remote control	On the device	5.A-6
-	IP54	1 ch	240°	2-5 m	16 m	App	Remote control	On the device	5.A-6
-	IP54	1 ch	240°	2-5 m	16 m	App	Remote control	On the device	5.A-6
-	IP54	1 ch	300°	2-5 m	16 m	App	Remote control	On the device	5.A-7
-	IP54	1 ch	300°	2-5 m	16 m	App	Remote control	On the device	5.A-7
-	IP54	1 ch	-	-	-	-	-	On the device	5.A-7
-	IP54	1 ch	-	-	-	-	-	On the device	5.A-8
-	IP54	1 ch	-	-	-	-	-	On the device	5.A-8
-	IP54/IP20	1 ch	-	-	-	-	-	On the device	5.A-8
-	IP20	1 ch	-	-	-	-	-	On the device	5.A-9

Outdoor motion detector, 200°, 230 V, 11 m

This 1-channel outdoor motion detector is suitable for use in a driveway or garden. The detection range is 12 metres. The detection area can be divided using an adjustable cover mask. The motion sensor can be horizontally aimed. The device has a built-in light sensor and switches the lighting on automatically or manually with an NC push button (to be ordered separately). After the pre-set time delay, the light is switched off automatically.

- Dimensions (HxWxD): 70 x 100 x 100 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A)
  - Maximum load incandescent and halogen lamps (cosφ=1): 1000 W
  - Maximum load fluorescent lamps (cos$\varphi \geq$ 0,5): 500 VA
  - Maximum load low voltage halogen lamps: 500 W

  - Maximum load economy lamps (CFLi): 100 W
  - Maximum load LED lamps 230 V: 100 W
- Detection angle: 200°
- Light intensity range: 5 lux – 1000 lux
- Switch-off delay: pulse, 30 s – 15 min
- Protection degree: IP44
- Mounting height: 2 – 4 m
- Ambient temperature: -20 – +55 °C

351-03170: Available until the end of the second quarter of 2022 and afterwards until the end of stock.

COMPLETE UNIT

	351-03160	Pieces: 1	Detector, white
	351-03165	Pieces: 1	Detector, black
	351-03170	Pieces: 1	Detector, alu

Outdoor motion detector 140° 230 V AC, 12 m

This outdoor motion detector is suitable for use in a driveway or garden. The detection range is 12 metres. The detection area can be divided using an adjustable cover mask. The motion sensor can be horizontally aimed. The device has a built-in light sensor and switches the lighting on automatically or manually with an NC push button (to be ordered separately). After the pre-set time delay, the light is switched off automatically.

- Dimensions (HxWxD): 70 x 100 x 100 mm
- Dimensions visible (HxWxD): 70 x 100 mm
- Input voltage: 230 Vac ± 10 %, 50 – 60 Hz
- Number of channels: 1 channel
  - Maximum load incandescent and halogen lamps (cosφ=1): 1000 W
  - Maximum load low voltage halogen lamps: 500 W
  - Maximum load economy lamps (CFLi): 100 W
  - Maximum load LED lamps 230 V: 100 W

  - Detection angle: 140 °
- Detection range (PIR): half circle, up to 11 m in diameter from a height of 3 m
- Response value luminosity: 5 lux – 1000 lux
- Switch-off delay: 30 s – 15 m
- Protection degree: IP44
- Mounting height: 2 – 4 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +55 °C

Available until the end of the second quarter of 2022 and afterwards until the end of stock.

COMPLETE UNIT

	351-03140	Pieces: 1	Detector, white
	351-03145	Pieces: 1	Detector, black

Outdoor motion detector Swiss Garde 200°, 230 V, 14 m

This outdoor motion detector with a detection range of 14 metres is suitable for use along driveways, under carports or in the garden. The motion detector can be mounted onto the ceiling or the wall and can be aimed upwards, downwards, left and right. The device has a built-in light sensor and switches the lighting automatically. After the pre-set time delay, the light is switched off automatically. The detector can be configured both manually and by remote control.

- Dimensions (HxWxD): 74 x 70 x 106 mm
- Dimensions visible (HxWxD): 74 x 70 x 106 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A)
 - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
 - Maximum load low voltage halogen lamps: 1150 W
 - Maximum load economy lamps (CFLi): 350 W

 - Maximum load LED lamps 230 V: 350 W
- Detection angle: 200°
- Detection range (PIR): up to 14 m in diameter from a height of 3 m
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: pulse, 10 s – 20 min
- Protection degree: IP55
- Mounting height: 2 – 8 m
- Mounting method: surface-mounting
- Ambient temperature: -30 – +55 °C

COMPLETE UNIT

	351-26450	Pieces: 1	Detector, white
	351-26470	Pieces: 1	Detector, black
	351-26480	Pieces: 1	Detector, alu

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	351-25320	Pieces: 1	IR remote control for installers

ACCESSORY – MINI REMOTE CONTROL FOR USERS

	351-25310	Pieces: 1	IR remote control for users

Outdoor motion detector, 180°, 230 V, 16 m

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. Automatic on/off (after switch-off delay) or manual on/off via an NC push button (to be ordered separately). The detection area can be divided by means of an adjustable cover mask. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 125 x 72 x 63 mm
- Dimensions visible (HxWxD): 125 x 72 x 63 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A), light-sensitive
 - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
 - Maximum load low voltage halogen lamps: 1200 W
 - Maximum load economy lamps (CFLi): 350 W
 - Maximum load LED lamps 230 V: 350 W

- Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 180°
- Detection range (PIR): up to 16 m in diameter from a height of 3 m
- Light intensity range: 5 – ∞ lux
- Switch-off delay: 8 s – 30 min
- Protection degree: IP54
- Mounting height: 2 – 3 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +45 °C

COMPLETE UNIT

	350-20058	Pieces: 1	Detector

Outdoor motion detector, 180°, 230 V, 13 m, black

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. Automatic on/off (after switch-off delay) or manual on/off via an NC push button (to be ordered separately). The detection area can be divided by means of an adjustable cover mask. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 125 x 72 x 63 mm
- Dimensions visible (HxWxD): 125 x 72 x 63 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A), light-sensitive
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W

- Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 180°
- Detection range (PIR): up to 13 m in diameter from a height of 3 m
- Light intensity range: 5 – ∞ lux
- Switch-off delay: 8 s – 30 min
- Protection degree: IP54
- Mounting height: 2 – 3 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +45 °C

COMPLETE UNIT

	350-20158	Pieces: 1	Detector

Outdoor motion detector, 180°, 230 V, 16 m, with orientable lens

One-channel outdoor motion detector for use along driveways, in gardens, ... Provided with an integrated light sensor. Automatically on or manually on via a NC push button (230 V) (to be ordered separately). Automatically off after switch-off delay. Provided with a rotatable motion sensor. The detection area can be subdivided by means of an adjustable cover mask. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 70 x 90 x 130 mm
- Dimensions visible (HxWxD): 70 x 90 x 130 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A), light- and motion-sensitive
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W

- Maximum capacitive load: 140 μF
- Maximum switching current: 80 A/20 ms
- Detection angle: 180°
- Detection range (PIR): up to 16 m in diameter from a height of 3 m
- Light intensity range: 5 – ∞ lux
- Switch-off delay: 8 s – 30 min
- Protection degree: IP54
- Mounting height: 2 – 3 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +45 °C

COMPLETE UNIT

	350-20050	Pieces: 1	Detector

ACCESSORY

	390-20050	Pieces: 1	Ceiling mounting bracket

Outdoor motion detector, 180°, 230 V, 13 m, with orientable lens, black

One-channel outdoor motion detector for use along driveways, in gardens, ... Provided with an integrated light sensor. Automatically on or manually on via a NC push button (230 V) (to be ordered separately). Automatically off after switch-off delay. Provided with a rotatable motion sensor. The detection area can be subdivided by means of an adjustable cover mask. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 70 x 90 x 130 mm
- Dimensions visible (HxWxD): 70 x 90 x 130 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A), light- and motion-sensitive
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W

- Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 180°
- Detection range (PIR): up to 13 m in diameter from a height of 3 m
- Light intensity range: 5 – ∞ lux
- Switch-off delay: 8 s – 30 min
- Protection degree: IP54
- Mounting height: 2 – 3 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +45 °C

COMPLETE UNIT

	350-20150	Pieces: 1	Detector

ACCESSORY

	390-20150	Pieces: 10	Ceiling mounting bracket, black

5.A
5.B
5.C
5.D
5.E
5.F
5.G

Swiss Garde outdoor motion detector, 120°, 230 V, 16 m

This outdoor motion detector, which is not activated by pets, is perfectly suitable for every detection around the house. The detection range is 16 meters. The motion sensor can be precisely aimed, both horizontally (left, right) and vertically (high, low). The device has a built-in light sensor and switches the lighting on automatically or manually with a N.O. push button (to be ordered separately). After the pre-set time delay, the light is switched off automatically. This detector can be configured both manually and by remote control.

- Dimensions (HxWxD): 112 x 105 x 148 mm
- Dimensions visible (HxWxD): 112 x 105 x 148 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO 8.7 A
  - Maximum load incandescent and halogen lamps (cosφ=1): 2000 W
  - Maximum load low voltage halogen lamps: 1000 W
  - Maximum load economy lamps (CFLi): 300 W

  - Maximum load LED lamps 230 V: 300 W
- Detection angle: 120°
- Detection range (PIR): up to 16 m in diameter from a height of 3 m
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: pulse, 10 s – 20 m
- Protection degree: IP54
- Mounting height: 2 – 5 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +50 °C

Available until the end of the second quarter of 2022 and afterwards until the end of stock.

COMPLETE UNIT

	351-26550	Pieces: 1	Detector, white
	351-26552	Pieces: 1	Detector, black

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	351-25320	Pieces: 1	IR remote control for installers

ACCESSORY – MOUNTING BRACKET FOR CORNERS

	351-10170	Pieces: 1	Mounting bracket for corners, white
	351-10171	Pieces: 1	Mounting bracket for corners alu
	351-10172	Pieces: 1	Mounting bracket for corners, black

Swiss Garde outdoor motion detector, 240°, 230 V, 16 m

This outdoor motion detector, which is not activated by pets, is perfectly suitable for every light switch around the house. The detection range is 16 meters. The motion sensor can be precisely aimed, both horizontally (left, right) and vertically (high, low). The device has a built-in light sensor and switches the lighting on automatically or manually with a N.O. push button (to be ordered separately). After the pre-set time delay, the light is switched off automatically. This detector can be configured both manually and by remote control.

- Dimensions (HxWxD): 112 x 105 x 148 mm
- Dimensions visible (HxWxD): 112 x 105 x 148 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO 8.7 A
  - Maximum load incandescent and halogen lamps (cosφ=1): 2000 W
  - Maximum load fluorescent lamps (cosφ ≥ 0.5): 1000 VA
  - Maximum load low voltage halogen lamps: 1000 W
  - Maximum load economy lamps (CFLi): 300 W

 - Maximum load LED lamps 230 V: 300 W
- Detection angle: 240°
- Detection range (PIR): up to 16 m in diameter from a height of 3 m
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: pulse, 10 s – 20 m
- Protection degree: IP54
- Mounting height: 2 – 5 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +50 °C

351-26561: Available until the end of the second quarter of 2022 and afterwards until the end of stock.

COMPLETE UNIT

	351-26560	Pieces: 1	Detector, whte
	351-26561	Pieces: 1	Detector, alu
	351-26562	Pieces: 1	Detector, black

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	351-25320	Pieces: 1	IR remote control for installers

ACCESSORY – MOUNTING BRACKET FOR CORNERS

	351-10170	Pieces: 1	Mounting bracket for corners, white
	351-10171	Pieces: 1	Mounting bracket for corners alu
	351-10172	Pieces: 1	Mounting bracket for corners, black

5.A
5.B
5.C
5.D
5.E
5.F
5.G

Swiss Garde outdoor motion detector, 300°, 230 V, 16 m

This outdoor motion detector, which is not activated by pets, is perfectly suitable for every light switch around the house. The detection range is 16 meters. The motion sensor can be precisely aimed, both horizontally (left, right) and vertically (high, low). The device has a built-in light sensor and switches the lighting on automatically or manually with a N.O. push button (to be ordered separately). After the pre-set time delay, the light is switched off automatically. This detector can be configured both manually and by remote control.

- Dimensions (HxWxD): 112 x 105 x 148 mm
- Dimensions visible (HxWxD): 112 x 105 x 148 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO 8,7 A
  - Maximum load incandescent and halogen lamps (cosφ=1): 2000 W
  - Maximum load fluorescent lamps (cosφ ≥ 0,5): 1000 VA
  - Maximum load low voltage halogen lamps: 1000 W
  - Maximum load economy lamps (CFLi): 300 W

- Maximum load LED lamps 230 V: 300 W
- Detection angle: 300°
- Detection range (PIR): up to 16 m in diameter from a height of 3 m
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: pulse, 10 s – 20 m
- Protection degree: IP54
- Mounting height: 2 – 5 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +50 °C

COMPLETE UNIT

	351-26570	Pieces: 1	Detector, white
	351-26572	Pieces: 1	Detector, black

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	351-25320	Pieces: 1	IR remote control for installers

ACCESSORY – MOUNTING BRACKET FOR CORNERS

	351-10170	Pieces: 1	Mounting bracket for corners, white
	351-10171	Pieces: 1	Mounting bracket for corners alu
	351-10172	Pieces: 1	Mounting bracket for corners, black

Twilight switch, 230 V, one channel, 10 A, 2 - 200 lux

Twilight switch for outdoor wall mounting (IP54). Suitable for switching outdoor lighting. Large sensor surface for accurate light measuring. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 103 x 73 x 47 mm
- Dimensions visible (HxWxD): 103 x 73 x 47 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A)
  - Maximum load incandescent and halogen lamps (cosφ=1): 3000 W
  - Maximum load low voltage halogen lamps: 500 W
  - Maximum load economy lamps (CFLi): 350 W

- Maximum load LED lamps 230 V: 350 W
- Maximum load low-pressure sodium/mercury lamps: 1500 W
- Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Light intensity range: 2 lux – 200 lux
- Protection degree: IP54
- Mounting method: surface-mounting
- Ambient temperature: -50 – +50 °C

COMPLETE UNIT

	350-10030	Pieces: 1	Twilight switch

Twilight switch, 230 V, one channel, 16 A, 3 - 300 lux

The twilight switch for outdoor wall mounting is suitable for controlling outdoor lighting (gardens, car parks, outdoor areas and footpaths).
In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 95 x 68 x 38 mm
- Dimensions visible (HxWxD): 95 x 68 x 38 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO, μ16 A
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 500 W

- Maximum load economy lamps (CFLi): 350 W
- Maximum load LED lamps 230 V: 350 W
- Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Light intensity range: 3 lux – 300 lux
- Protection degree: IP54
- Mounting method: surface-mounting
- Ambient temperature: -50 – +50 °C

COMPLETE UNIT

	350-10033	Pieces: 1	Twilight switch

Twilight switch, 24 V, one channel (4 A)

Twilight switch for outdoor wall mounting (IP54), suitable for switching outdoor lighting. Light sensitivity adjustable from 2 to 200 lux.
Large sensor surface for accurate light measuring. In conformity with the European directive for EMC and safety EN60669-2-1.

- Input voltage: 24 Vac/Vdc ± 10 %
- Number of channels: 1 channel
- Relay contact 1: NO (max. μ4 A), potential-free
- Light intensity range: 2 lux – 200 lux

- Protection degree: IP54
- Mounting method: surface-mounting
- Ambient temperature: -50 – +50 °C

COMPLETE UNIT

	350-10032	Pieces: 5	Twilight switch

Daylight control module with twilight switch, 230 V, 3 - 300 lux

Daylight control module with twilight switch is durable and functional. It is a complete set containing the daylight control module and twilight switch. The daylight control module is suitable for car parks, outdoor areas, footpaths… The lighting is switched on automatically once the light level is below the preset level (standard setting: 35 lux). In the morning the lighting switches off automatically once the set lux level is exceeded by 10 %. The lux level is easy to set using the potentiometer on the daylight control module. There is a double cable connecting the daylight control module and the twilight switch.

- Input voltage: 230 V ± 10 %, 50 Hz
- Relay contact 1: NO. (max. μ16 A)
  - Maximum load incandescent and halogen lamps (cosφ=1): 3000 W
  - Maximum load economy lamps (CFLi): 1000 W

- Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Light intensity range: 3 lux – 300 lux
- Ambient temperature: -5 – 50 °C

COMPLETE UNIT

	360-36194	Pieces: 1	Daylight control module

Daylight control module with combination of light, movement and time

Energy-saving thanks to an optimum use of lighting. Modular lighting control to be used in combination with a photo cell and motion detector(s). Automatically switching on depending on the measured daylight level and motion detection. Automatically switching off in case of sufficient daylight or after a switch-off delay. Optional control via an NO push button (to be ordered separately). Suitable for indoor and outdoor applications.

- power supply voltage: 230 Vac ± 10%, 50 Hz
- dimensions (2 DIN rail modules) (HxWxD): 90 x 35 x 55 mm
- relay contact: NO (max. μ10 A)
  - incandescent lamps: 2300 W
  - 230 V halogen lamps: 23300 W
  - all low-voltage halogen lamps: 1200 VA
  - fluorescent lamps (non-compensated): 1200 VA
  - maximum capacitive load: 140 μF

  - maximum switching current: 165 A/20 ms or 800 A/200 μs
- secondary voltage: 24 Vdc ± 10%, max. 40 mA, no short circuit protection
- Light intensity range: 3 - 300 lux, 30 - 3 klux, 300 - 30 klux
- hysteresis on luminosity: + 10%
- switch-off delay: 0 - 60 min
- protection degree: IP20
- ambient temperature: 5 - +50 °C

COMPLETE UNIT

360-35010   Pieces: 1   Lighting control module

Universal remote control for smartphone

Niko has developed a universal remote control for all Niko detectors which can be adjusted remotely. It consists of 2 components:
- The free Niko detector tool app, to be downloaded on your smartphone or tablet (both iOS and Android).
- The universal remote control, to be connected to the audio input of your smartphone.

Advantages:
- You only need one remote control for all installed detectors.
- The app explains step by step how to program and control each detector.
- You can immediately test the detector while walking through the room.
- The difficult configurations (such as daylight control) can be saved, to prevent the loss of data.

For most new detectors you can choose between manual set-up or via remote control. The detector always makes use of the most recent settings. The app provides easy access to all product information.

Important points:
- Ensure that the sound volume of your smartphone is sufficiently loud.
- Operates with android version 4.4 and IOS v8 or higher.

ACCESSORY – UNIVERSAL REMOTE CONTROL

350-41936   Pieces: 1   Universal remote control for smartphone

230 V motion

In this chapter:

- wall motion detectors
- ceiling motion detectors
- motion detectors for corridors
- motion detectors high frequency

	Article number	Description
	xxx-7801x	Wall motion detector, 180°, 230 V, 9 m
	351-25340	Swiss Garde motion detector, 360°, 230 V, 14 m, for flush-mounting box
	351-25065	Swiss Garde motion detector, 360°, 230 V, 26 m, for flush-mounting box
	351-25050	Swiss Garde motion detector, 360°, 230 V, 26 m, for surface mounting, IP55
	350-500111	Motion detector for corridors, 360°, 230 V, 40 m, for flush-mounting box
	351-27360	Motion detector high frequency, 360°, 230 V, 10 m, for flush-mounting box

Master/Secondary	Protection degree	Number of channels/ Number of zones	Detection angle	Mounting height	Detection range Ceiling: at a height of 3 m Outdoor: at a height of 2.5 m Wall: at a height of 1.2 m	Commissioning method 1	Commissioning method 2	Commissioning method 3	Page
-	IP40	1 ch	180°	0.8-1.2 m	9 m	-	-	On the device	5.B-1
-	IP20	1 ch	360°	2-6 m	14 m	App	Remote control	On the device	5.B-1
-	IP20	1 ch	360°	2-8 m	26 m	App	Remote control	On the device	5.B-2
-	IP55	1 ch	360°	2-8 m	26 m	App	Remote control	On the device	5.B-3
-	IP20	1 ch	360°	2-2,5 m	40 m	-	Remote control	On the device	5.B-3
-	IP20	1 ch	360°	2-4 m	10 m	-	-	On the device	5.B-4

Wall motion detector, 180°, 230 V, 9 m

This motion detector is used for LED, economy lamps, 230 V halogen lamps, low voltage halogen lamps and fluorescent lamps. For indoor use only.

- switch-off delay: ± 1 - 30 min
- Light intensity range: ± 10 - 1000 lux
- mounting height: 0.8 – 1.2 m
- relay contact : NO. (max μ10 A)
  - incandescent lamps: 2300 W
  - 230 V halogen lamps: 2300 W
  - low-voltage halogen lamps: 500 VA
  - (non-compensated) fluorescent lamps: 500 VA

  - LED lamps 230 V and economy lamps (CFLi): 350 W
- detection angle: horizontal 180°, vertical 60°
- detection range: 8 - 9 m
- connection terminals: 2 x 1.5 mm^2 or 1 x 2.5 mm^2
- connection possibility for an external push button or switch
- may be used as master or as secondary detector in case of several detection points per lighting circuit

COMPLETE UNIT FOR CLAW FIXING

	100-78010	Pieces: 6		101-78010	Pieces: 6		102-78010	Pieces: 6
	104-78010	Pieces: 6		121-78010	Pieces: 6		122-78010	Pieces: 6
	123-78010	Pieces: 6		124-78010	Pieces: 6		154-78010	Pieces: 6
	157-78010	Pieces: 6		161-78010	Pieces: 6		200-78010	Pieces: 6
	220-78010	Pieces: 6		221-78010	Pieces: 6			

COMPLETE UNIT FOR SCREW FIXING

	100-78011	Pieces: 6		101-78011	Pieces: 6		102-78011	Pieces: 6
	104-78011	Pieces: 6		121-78011	Pieces: 6		122-78011	Pieces: 6
	123-78011	Pieces: 6		124-78011	Pieces: 6		154-78011	Pieces: 6
	157-78011	Pieces: 6		161-78011	Pieces: 6		200-78011	Pieces: 6
	221-78011	Pieces: 6						

Swiss Garde motion detector, 360°, 230 V, 14 m, for flush-mounting box

The motion detector with one channel for flush mounting in ceilings is suitable for switching indoor lighting on and off. You can always activate the light with a NO push button (230 Vac) (to be ordered separately). The detector is equipped with an integrated light sensor.

- Dimensions (HxWxD): 105 x 105 x 71 mm
- Dimensions visible (HxWxD): 105 x 105 x 35 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A)
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1150 W
  - Maximum load economy lamps (CFLi): 350 W

  - Maximum load LED lamps 230 V: 350 W
- Detection angle: 360°
- Detection range (PIR): up to 14 m in diameter from a height of 3 m
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: pulse, 10 s – 20 min
- Protection degree: IP20
- Mounting height: 2 – 6 m
- Mounting method: flush-mounting or surface-mounting
- Ambient temperature: -20 – +40 °C

COMPLETE UNIT

	351-25340	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	351-25320	Pieces: 1	IR remote control for installers

ACCESSORY – MINI REMOTE CONTROL FOR USERS

	351-25310	Pieces: 1	IR remote control for users

ACCESSORY – SURFACE-MOUNTING BOX

	351-25420	Pieces: 1	Round surface-mounting box

Motion detector Swiss Garde 360°, 230 V, 26 m, for flush-mounting box

The motion detector with one channel for flush-mounting in ceilings is suitable for switching indoor lighting on and off. You can always activate the light with a NO push button (230 Vac) (to be ordered separately). The detector is equipped with an integrated light sensor.

- Dimensions (HxWxD): 105 x 105 x 86 mm
- Dimensions visible (HxWxD): 105 x 105 x 50 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load fluorescent lamps (cosφ ≥ 0.5): 1150 VA
  - Maximum load low voltage halogen lamps: 1150 W
  - Maximum load economy lamps (CFLi): 350 W

  - Maximum load LED lamps 230 V: 350 W
- Detection angle: 360°
- Detection range (PIR): max. 26 m from 8 m height
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: pulse, 10 s – 20 min
- Protection degree: IP20
- Mounting height: 2 – 8 m
- Mounting method: flush-mounting or surface-mounting
- Ambient temperature: -20 – +40 °C

COMPLETE UNIT

	351-25065	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	351-25320	Pieces: 1	IR remote control for installers

ACCESSORY – MINI REMOTE CONTROL FOR USERS

	351-25310	Pieces: 1	IR remote control for users

ACCESSORY – SURFACE-MOUNTING BOX

	351-25420	Pieces: 1	Round surface-mounting box

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The most recent information can be found at www.niko.eu

Swiss Garde motion detector, 360°, 230 V, 26 m, for surface mounting, IP55

The motion detector with one channel for surface mounting on ceilings is suitable for switching indoor lighting on and off. The detector is equipped with an integrated light sensor.

- Dimensions (HxWxD): 125 x 125 x 75 mm
- Dimensions visible (HxWxD): 125 x 125 x 75 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A)
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1150 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W

- Detection angle: 360°
- Detection range (PIR): up to 26 m in diameter from a height of 8 m
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: pulse, 10 s – 20 min
- Protection degree: IP55
- Mounting height: 2 – 8 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +55 °C

COMPLETE UNIT
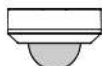
	351-25050	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	351-25320	Pieces: 1	IR remote control for installers

ACCESSORY – MINI REMOTE CONTROL FOR USERS

	351-25310	Pieces: 1	IR remote control for users

Motion detector for corridors 360°, 230 V, 40 m, for flush-mounting box

The one channel corridor motion detector is suitable for automatic indoor lighting control (on/off). It can be installed in a flush-mounting box in the ceiling. Flush-mounting box with springs and an IP54 surface-mounting box can be ordered separately. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 105 x 105 x 60 mm
- Dimensions visible (HxWxD): 105 x 105 x 38 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Maximum power consumption: 0.5 W
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A), potential-free
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load fluorescent lamps (cos$\varphi \geq$ 0.5): 1200 VA
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 800 VA

  - Maximum load LED lamps 230 V: 300 W
  - Maximum load LED driver: 800 VA
- Maximum capacitive load: 140 μF
- Detection angle: 360°
- Light intensity range: 10 lux – 2000 lux, ∞
- Switch-off delay: pulse, 30 s – 30 min
- Protection degree: IP20
- Mounting height: 2 – 2.5 m
- Mounting method: flush-mounting box
- Ambient temperature: -20 – +40 °C

COMPLETE UNIT

	350-500111	Pieces: 1	Detector

ACCESSORY – FLUSH-MOUNING BOX WITH SPRING CLIPS

	350-991999	Pieces: 1	Flush-mounting box with spring clips

ACCESSORY – IP54 SURFACE-MOUNTING BOX

	350-992901	Pieces: 1	Surface-mounting box for 35 m detector for corridors

ACCESSORY – IR REMOTE CONTROL

	351-25320	Pieces: 1	IR remote control for installers

Motion detector high frequency, 360°, 230 V, 10 m, for flush-mounting

The HF motion detector with one channel for flush-mounting is suitable for switching indoor lighting on and off. You can always activate the light with a NO push button (230 Vac) (to be ordered separately). The detector is equipped with an integrated light sensor.

- Dimensions (HxWxD): 35 x 52 x 90 mm
- Dimensions visible (HxWxD): 35 x 52 x 90 mm
- Input voltage: 230 Vac ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: 4.35 A
  - Maximum load incandescent and halogen lamps (cosφ=1): 1000 W
  - Maximum load low voltage halogen lamps: 500 W
  - Maximum load economy lamps (CFLi): 100 W

  - Maximum load LED lamps 230 V: 100 W
- Detection angle: 360°
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: 10 s – 5 min
- Protection degree: IP20
- Mounting height: 2 – 4 m
- Mounting method: flush-mounting
- Ambient temperature: -20 – +70 °C

COMPLETE UNIT

	351-27360	Pieces: 1	Detector

Universal remote control for smartphone

Niko has developed a universal remote control for all Niko detectors which can be adjusted remotely. It consists of 2 components:
- The free Niko detector tool app, to be downloaded on your smartphone or tablet (both iOS and Android).
- The universal remote control, to be connected to the audio input of your smartphone.

Advantages:
- You only need one remote control for all installed detectors.
- The app explains step by step how to program and control each detector.
- You can immediately test the detector while walking through the room.
- The difficult configurations (such as daylight control) can be saved, to prevent the loss of data.

For most new detectors you can choose between manual set-up or via remote control. The detector always makes use of the most recent settings. The app provides easy access to all product information.

Important points:
- Ensure that the sound volume of your smartphone is sufficiently loud.
- Operates with android version 4.4 and IOS v8 or higher.

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

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The most recent information can be found at www.niko.eu

230 V presence

In this chapter:

- (mini) presence detectors
- presence detectors dual tech, master, secondary or stand-alone
- presence or absence detectors, master, secondary or stand-alone

	Article number	Description
	350-20085	Mini presence detector, 360°, 230 V, 9 m, for flush mounting, IP65
	350-20065	Presence detector dual tech, 360°, 230 V, 19 m, master, for flush-mounting box
	350-20066	Presence detector dual tech, 360°, 230 V, 19 m, secondary, for flush-mounting box
	351-25475	Presence detector dual tech, 360°, 230 V, 40 m, for surface mounting, IP54
	350-41600	Flat presence or absence detector, 360°, master, 1 channel, 12 m, for flush mounting
	350-41601	Flat presence or absence detector, 360°, secondary, 1 channel, 12 m, for flush mounting
	350-41620	Flat presence or absence detector, 360°, master, with 2 potential-free contacts, 12 m, for flush mounting
	350-20056	Presence or absence detector, 360°, one channel (10 A), for flush mounting
	351-25457	Presence or absence detector, 360°, master or stand-alone, 230V, 1 channel, 14 m, for flush mounting
	351-25459	Presence or absence detector, 360°, secondary, 230V, 14 m, for flush mounting
	350-20070	Presence or absence detector, 360°, 230 V, 24 m, master, one channel, for flush mounting
	350-20071	Presence or absence detector, 360°, 230 V, 24 m, secondary, for flush mounting
	350-20078	Presence or absence detector, 360°, 230 V, 24 m, master, one channel, for surface mounting
	350-20079	Presence or absence detector, 360°, 230 V, 24 m, secondary, for surface mounting
	350-20082	Presence or absence detector, 360°, 230V, 24 m, master, two channels, for surface mounting
	350-20072	Presence or absence detector, 360°, 230V, 24 m, master, two channels, for flush mounting
	351-25467	Presence or absence detector, 360°, 230V, 26 m, master or stand-alone, 1 channel, for flush mounting
	351-25469	Presence or absence detector, 360°, 230V, 26 m, secondary, for flush mounting
	350-20080	Presence or absence detector, 360°, 230 V, 32 m, master, one channel, for surface mounting on high ceilings
	350-20081	Presence or absence detector, 360°, 230 V, 32 m, secondary, for surface mounting on high ceilings
	351-25451	Presence or absence detector 360°, master or stand-alone, 230V AC, 1 channel potential-free, 16 m, flush-mounting, square
	351-25463	Presence or absence detector 360°, master or stand-alone, 230V AC, 1 channel potential-free, 16 m, flush-mounting, round
	350-20054	Presence detector, 360°, 230 V, 20 m, for surface mounting

Master/Secondary	Protection degree	Number of channels/ number of zones	Detection angle	Mounting height	Detection range Ceiling: at a height of 3 m Outdoor: at a height of 2.5 m Wall: at a height of 1.2 m	Commissioning method 1	Commissioning method 2	Commissioning method 3	Page
-	IP65	1 ch	360°	2-3 m	9 m	App	Remote control	-	5.C-1
Master	IP20	1 ch	360°	2-3 m	19 m	-	Remote control	On the device	5.C-1
Secondary	IP20	-	360°	2-3 m	19 m	-	Remote control	On the device	5.C-2
Master	IP54	1 ch	360°	2-4 m	40 m	App	Remote control	On the device	5.C-2
Master	IP20	1 ch	360°	2.4-3 m	12 m	App	Remote control	-	5.C-3
Secondary	IP20	-	360°	2.4-3 m	12 m	App	-	-	5.C-3
-	IP20	2 ch	360°	2.4-3 m	12 m	App	Remote control	-	5.C-4
-	IP20	1 ch	360°	2.5-4 m	12 m	App	Remote control	-	5.C-5
Master	IP20	1 ch	360°	2-6 m	14 m	App	Remote control	On the device	5.C-6
Secondary	IP20	-	360°	2-6 m	14 m	-	-	On the device	5.C-6
Master	IP20	1 ch	360°	2-3.4 m	24 m	App	Remote control	On the device	5.C-7
Secondary	IP54	-	360°	2-3.4 m	24 m	-	-	On the device	5.C-7
Master	IP54	1 ch	360°	2-3.4 m	24 m	App	Remote control	On the device	5.C-8
Secondary	IP54	-	360°	2-3.4 m	24 m	-	-	On the device	5.C-8
Master	IP54	2 ch	360°	2-3.4 m	24 m	App	Remote control	On the device	5.C-9
Master	IP54	2 ch	360°	2-3.4 m	24 m	App	Remote control	On the device	5.C-9
Master	IP20	1 ch	360°	2-8 m	26 m	App	Remote control	On the device	5.C-10
Secondary	IP20	-	360°	2-8 m	26 m	-	Remote control	On the device	5.C-10
Master	IP54	1 ch	360°	4-8 m	32 m	App	Remote control	On the device	5.C-11
Secondary	IP54	-	360°	4-8 m	32 m	-	-	On the device	5.C-11
Master	IP20	1 ch	360°	2-6 m	16 m	-	Remote control	On the device	5.C-12
Master	IP20	1 ch	360°	2-6 m	16 m	-	Remote control	On the device	5.C-13
-	IP20	1 ch	360°	2.5-3.4 m	20 m	-	-	On the device	5.C-14

Mini presence detector, 360°, 230 V, 9 m, for flush mounting, IP65

The mini presence detector with one channel and daylight control for flush mounting in ceilings is suitable for switching indoor lighting on and off. The mini detector is equipped with an integrated light sensor. Automatic on/off (presence detector). Thanks to its compact dimensions and design, the mini detector is discreetly present in the room. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 36 x 36 x 49.3 mm
- Dimensions visible (HxWxD): 36 x 36 x 13.3 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Drill diameter: 30 mm
- Relay contact 1: NO. (max. μ10 A), light- and motion-sensitive
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 500 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W

- Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360°
- Detection range (PIR): 9.5 m from a height of 3 m
- Light intensity range: 20 lux – 1000 lux
- Switch-off delay: pulse, 2 min – 1 h
- Protection degree: IP65
- Mounting height: 2 – 3 m
- Mounting method: flush-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-20085 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-20090 | Pieces: 5 | IR remote control for installers |

Presence detector dual tech, 360°, 230 V, 19 m, master, for flush-mounting box

Intelligent presence detector for ceiling mounting in offices. Suitable for switching indoor lighting. Rapid detection of even the slightest movements, thanks to passive infrared (PIR) and ultrasonic (US) technology. Presence detection behind office partitions by means of US detection. Equipped with an integrated light sensor. For surface- or flush mounting.

- Dimensions (HxWxD): 120 x 120 x 60 mm
- Dimensions visible (HxWxD): 120 x 120 x 34 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO, μ10 A, potential-free
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 500 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
- Maximum capacitive load: 140 μF

- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360°
- Detection range (PIR): 9.5 m from a height of 3 m
- Detection range (US): 12 x 19 m
- Light intensity range: 10 lux – 2000 lux
- Switch-off delay: 1 m – 30 min
- Protection degree: IP20
- Mounting height: 2 – 3 m
- Mounting method: flush-mounting box
- Ambient temperature: 0 – +45 °C

COMPLETE UNIT

| | 350-20065 | Pieces: 1 | Detector |

ACCESSORY – IR REMOTE CONTROL

| | 350-20067 | Pieces: 1 | IR remote control unit |

ACCESSORY – FLUSH-MOUNTING BOX FOR 350-20065 AND 351-20066

| | 390-20057 | Pieces: 1 | Flush-mounting box with spring terminals |

Presence detector dual tech, 360°, 230 V, 19 m, secondary, for flush-mounting box

Intelligent presence detector for ceiling mounting in offices. Suitable for switching indoor lighting. Fast detection, up to the slightest movements, by passive infrared technology (PIR) and ultrasonic technology (US). Presence detection behind office walls by means of US detection. Only operates in combination with master 350-20065. The detection area can be divided by means of an adjustable cover mask.

- Dimensions (HxWxD): 120 x 120 x 60 mm
- Dimensions visible (HxWxD): 120 x 120 x 34 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Detection angle: 360°
- Detection range (PIR): 9.5 m from a height of 3 m

- Detection range (US): 12 x 19 m
- Protection degree: IP20
- Mounting height: 2 – 3 m
- Mounting method: flush-mounting box
- Ambient temperature: 0 – +45 °C

COMPLETE UNIT

| | 350-20066 | Pieces: 1 | Detector |

ACCESSORY – FLUSH-MOUNTING BOX FOR 350-20065 AND 351-20066

| | 390-20057 | Pieces: 1 | Flush-mounting box with spring terminals |

Presence detector dual tech, 360°, 230 V, 40 m, for surface mounting, IP54

Stand-alone intelligent presence detector for ceiling mounting, ideal for offices. Suitable for switching indoor lighting. Rapid detection of even the slightest movements, thanks to passive infrared (PIR) and High Frequency (HF) technology. Presence detection behind office partitions by means of HF detection. The detector offers 5 possible combinations of the 2 technologies. Equipped with an integrated light sensor.

- Dimensions (HxWxD): 83 x 130 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO 8.7 A
  - Maximum load incandescent and halogen lamps (cosφ=1): 2000 W
  - Maximum load low voltage halogen lamps: 1000 W
  - Maximum load economy lamps (CFLi): 300 W
  - Maximum load LED lamps 230 V: 300 W
- Detection angle: 360°

- Detection range (PIR): up to 40 m in diameter from a height of 3 m
- Detection range (HF): up to 12 m in diameter from a height of 4 m
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: pulse, 10 s – 20 min
- Protection degree: IP54
- Mounting height: 2 – 4 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +45 °C

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COMPLETE UNIT
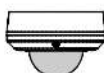
| | 351-25475 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 351-25320 | Pieces: 1 | IR remote control for installers |

Flat presence or absence detector, 360°, master, 1 channel, 12 m, for flush mounting

1 channel detector for flush mounting in ceilings. Stand-alone or as master combinable with a maximum of 20 secondary detectors (350-41601). It can be easily installed and mounted thanks to spring clips. The detector has a very flat design of only 5 mm, so that it can be mounted almost flush with the ceiling. For use in small rooms, offices, storage spaces ... The detector can be used as a presence detector (automatic on/off) or absence detector (manual on/automatic off).

- Dimensions (HxWxD): 95 x 95 x 95 mm
- Dimensions visible (HxWxD): 95 x 95 x 5 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Drill diameter: 77 mm
- Relay contact 1: NO. (max. μ10 A)
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W

- Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): up to 12 m in diameter from a height of 3 m
- Light intensity range: 50 lux – 1000 lux
- Switch-off delay: 5 m – 1 h
- Protection degree: IP20
- Mounting height: 2,4 – 3 m
- Mounting method: flush-mounting
- Ambient temperature: 5 – +40 °C

COMPLETE UNIT

	350-41600	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	350-41934	Pieces: 1	IR-remote control for users

Flat presence or absence detector, 360°, secondary, 1 channel, 12 m, for flush mounting

This secondary detector operates in conjunction with references 350-41600, 350-41620.
Simple installation and easy mounting thanks to spring clips. The detector has a very flat design of only 5 mm, so that it can be mounted almost flush with the ceiling. The secondary detector follows the settings of the master.

- Dimensions (HxWxD): 95 x 95 x 95 mm
- Dimensions visible (HxWxD): 95 x 95 x 5 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Drill diameter: 77 mm
- Detection angle: 360 °

- Detection range (PIR): up to 12 m in diameter from a height of 3 m
- Protection degree: IP20
- Mounting height: 2.4 – 3 m
- Mounting method: flush-mounting
- Ambient temperature: 5 – +40 °C

COMPLETE UNIT

	350-41601	Pieces: 1	Detector

Flat presence or absence detector, 360°, master, with 2 potential-free contacts, 12 m, for flush mounting

Stand-alone or as master combinable with a maximum of 20 secondary detectors (350-41601). The detector has a very flat design of only 5 mm, so that it can be mounted almost flush with the ceiling. It can be easily installed and mounted thanks to spring terminals. Particularly suitable for the switching of installations with 3 phases where the light circuits need to be distributed to several circuit breakers for safety reasons. For use in offices, schools, conference rooms. The two contacts are always controlled simultaneously.

- Dimensions (HxWxD): 95 x 95 x 95 mm
- Dimensions visible (HxWxD): 95 x 95 x 5 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 2 channels
- Drill diameter: 77 mm
- Relay contact 1: NO (max. μ10 A), potential-free
- Relay contact 2: NO (max. μ10 A), potential-free
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W

  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): up to 12 m in diameter from a height of 3 m
- Light intensity range: 50 lux – 1000 lux
- Switch-off delay: 5 m – 30 m
- Protection degree: IP20
- Mounting height: 2,4 – 3 m
- Mounting method: flush-mounting
- Ambient temperature: 5 – +40 °C

COMPLETE UNIT

	350-41620	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	350-41934	Pieces: 1	IR-remote control for users

5.A
5.B
5.C
5.D
5.E
5.F
5.G

Presence or absence detector, 360°, one channel (10 A), for flush mounting

The presence or absence detector with one channel and daylight control for flush mounting in ceilings 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 (230 Vac) (to be ordered separately). In conformity with the European directive for EMC and safety EN60669-2-1.

- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A), light- and motion-sensitive
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load fluorescent lamps (cos$\varphi \geq$ 0,5): 1200 VA
  - Maximum load low voltage halogen lamps: 500 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF

- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): circle, 3.5 – 12 m
- Light intensity range: 30 lux – 2000 lux
- Switch-off delay: 5 s – 30 m
- Protection degree: IP20
- Mounting height: 2.5 – 4 m
- Mounting method: flush-mounting or surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | **350-20056** | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | **350-41936** | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | **350-20057** | Pieces: 1 | IR remote control for installers |

ACCESSORY – SURFACE-MOUNTING BOX

| | **390-20056** | Pieces: 1 | Mounting box |

ACCESSORY – FLUSH-MOUNTING BOX FOR 350-20065 AND 351-20066

| | **390-20057** | Pieces: 1 | Flush-mounting box with spring terminals |

Presence or absence detector, 360°, master or stand-alone, 230 V, 1 channel, 14 m, for flush mounting

The presence or absence detector with one channel for flush mounting in ceilings is suitable for switching the indoor lighting on and off. The detector is equipped with an integrated light sensor. Automatic on/off (presence detector) or manual on/automatic off (absence detector) via a NO push button (230 Vac) (to be ordered separately).

- Dimensions (HxWxD): 105 x 105 x 71 mm
- Dimensions visible (HxWxD): 105 x 105 x 35 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Drill diameter: 48 mm
- Relay contact 1: NO 8.7 A
  - Maximum load incandescent and halogen lamps (cosφ=1): 2000 W
  - Maximum load low voltage halogen lamps: 1000 W
  - Maximum load economy lamps (CFLi): 300 W

- Maximum load LED lamps 230 V: 300 W
- Detection angle: 360 °
- Detection range (PIR): up to 14 m in diameter from a height of 3 m
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: 10 s – 20 m
- Protection degree: IP20
- Mounting height: 2 – 6 m
- Mounting method: flush-mounting
- Ambient temperature: -20 – +45 °C

COMPLETE UNIT

351-25457	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

351-25320	Pieces: 1	IR remote control for installers

ACCESSORY – MINI REMOTE CONTROL FOR USERS

351-25310	Pieces: 1	IR remote control for users

ACCESSORY – SURFACE-MOUNTING BOX

351-25420	Pieces: 1	Round surface-mounting box

Presence or absence detector, 360°, secondary, 230 V, 14 m, for flush mounting

The presence or absence detector for flush mounting in ceilings is suitable for switching the indoor lighting on and off. Automatic on/off (presence detector) or manual on/automatic off (absence detector). The detection area can be divided by means of an adjustable cover mask. Use exclusively in combination with a Master (351-25451/56/57/63/66/67).

- Dimensions (HxWxD): 105 x 105 x 71 mm
- Dimensions visible (HxWxD): 105 x 105 x 35 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Drill diameter: 48 mm
- Detection angle: 360 °

- Detection range (PIR): up to 14 m in diameter from a height of 3 m
- Protection degree: IP20
- Mounting height: 2 – 6 m
- Mounting method: flush-mounting or surface-mounting
- Ambient temperature: -20 – +45 °C

COMPLETE UNIT

351-25459	Pieces: 1	Detector

ACCESSORY – SURFACE-MOUNTING BOX

351-25420	Pieces: 1	Round surface-mounting box

Presence or absence detector, 360°, 230 V, 24 m, master, one channel, for flush mounting

The presence or absence detector with one channel and daylight control for flush mounting in ceilings is suitable for switching indoor lighting on and off. The detector is equipped with an integrated light sensor. Automatic on/off (presence detector) or manual on/automatic off (absence detector). The detection area can be divided by means of an adjustable cover mask. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 100 x 100 x 73.4 mm
- Dimensions visible (HxWxD): 100 x 100 x 46.4 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A), light- and motion-sensitive
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF

- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): circle, up to 24 m in diameter from a height of 3 m
- Light intensity range: 20 lux – 1000 lux, ∞
- Switch-off delay: 2 m – 1 h
- Protection degree: IP54
- Mounting height: 2 – 3.4 m
- Mounting method: flush-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

	350-20070	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	350-20089	Pieces: 1	IR remote control for installers

ACCESSORY – FLUSH-MOUNTING BOX FOR 350-20065 AND 351-20066

	390-20057	Pieces: 1	Flush-mounting box with spring terminals

Presence or absence detector, 360°, 230 V, 24 m, secondary, for flush mounting

The presence or absence detector for flush mounting in ceilings is suitable for switching indoor lighting on and off. Automatic on/off (presence detector) or manual on/automatic off (absence detector). The detection area can be divided by means of an adjustable cover mask. Use only in combination with the master (350-20070 or the masters 350-20078 or 350-20072). In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 100 x 100 x 73,4 mm
- Dimensions visible (HxWxD): 100 x 100 x 46,4 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Detection angle: 360 °
- Detection range (PIR): up to 24 m in diameter from a height of 3 m

- Protection degree: IP54
- Mounting height: 2 – 3.4 m
- Mounting method: flush-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

	350-20071	Pieces: 1	Detector

ACCESSORY – FLUSH-MOUNTING BOX FOR 350-20065 AND 351-20066

	390-20057	Pieces: 1	Flush-mounting box with spring terminals

Presence or absence detector, 360°, 230 V, 24 m, master, one channel, for surface mounting

The presence or absence detector with one channel and daylight control for ceiling mounting is suitable for switching indoor lighting on and off. The detector is equipped with an integrated light sensor. Automatic on/off (presence detector) or manual on/automatic off (absence detector). The detection area can be divided by means of an adjustable cover mask. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 117.3 x 117.3 x 64.1 mm
- Dimensions visible (HxWxD): 117.3 x 117.3 x 64.1 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO (max. μ10 A), potential-free, light- and motion-sensitive
- Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
- Maximum load low voltage halogen lamps: 1200 W
- Maximum load economy lamps (CFLi): 350 W
- Maximum load LED lamps 230 V: 350 W

- Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): up to 24 m in diameter from a height of 3 m
- Light intensity range: 20 lux – 1000 lux, ∞
- Switch-off delay: 2 m – 1 h
- Protection degree: IP54
- Mounting height: 2 – 3.4 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-20078 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-20089 | Pieces: 1 | IR remote control for installers |

Presence or absence detector, 360°, 230 V, 24 m, secondary, for surface mounting

The presence or absence detector for ceiling mounting is suitable for switching indoor lighting on and off. Automatic on/off (presence detector) or manual on/automatic off (absence detector). The detection area can be divided by means of an adjustable cover mask. Use only in combination with the master (350-20078, 350-20070 or 350-20080). In conformity with the European directive for EMC and safety EN60669-2-1.

- Input voltage: 230 V ± 10 %, 50 Hz
- Detection angle: 360 °
- Detection range (PIR): up to 24 m in diameter from a height of 3 m
- Protection degree: IP54

- Mounting height: 2 – 3.4 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-20079 | Pieces: 1 | Detector |

Presence or absence detector, 360°, 230 V, 24 m, master, two channels, for surface mounting

The presence or absence detector with two channels and daylight control for surface mounting in ceilings is suitable for switching indoor lighting or ventilation on and off. The detector is equipped with an integrated light sensor. Automatic on/off (presence detector) or manual on/automatic off (absence detector). The detection area can be divided by means of an adjustable cover mask. In conformity with the European directive for EMC and safety EN60669-2-1.

- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 2 channels
- Relay contact 1: NO (max. μ10 A), potential-free, light- and motion-sensitive
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 500 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF

- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): up to 24 m in diameter from a height of 3 m
- Light intensity range: 20 lux – 1000 lux
- Switch-off delay: 2 m – 1 h, ∞
- Protection degree: IP54
- Mounting height: 2 – 3.4 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

	350-20082	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	350-20089	Pieces: 1	IR remote control for installers

Presence or absence detector, 360°, 230 V, 24 m, master, two channels, for flush mounting

The presence or absence detector with two channels and daylight control for flush mounting in ceilings is suitable for switching indoor lighting or ventilation on and off. The detector is equipped with an integrated light sensor. Automatic on/off (presence detector) or manual on/automatic off (absence detector). The detection area can be divided by means of an adjustable cover mask. In conformity with the European directive for EMC and safety EN60669-2-1.

- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 2 channels
- Relay contact 1: NO (max. μ10 A), potential-free, light- and motion-sensitive
- Relay contact 2: NO (max. μ10 A), potential-free, light- and motion-sensitive
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W

  - Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): up to 24 m in diameter from a height of 3 m
- Light intensity range: 20 lux – 1000 lux, ∞
- Switch-off delay: 2 m – 1 h
- Protection degree: IP54
- Mounting height: 2 – 3.4 m
- Mounting method: flush-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

	350-20072	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	350-20089	Pieces: 1	IR remote control for installers

Presence or absence detector, 360°, 230 V, 26 m, master or stand-alone, 1 channel, for flush mounting

The presence or absence detector with one channel for flush mounting in ceilings is suitable for switching the indoor lighting on and off. The detector is equipped with an integrated light sensor. Automatic on/off (presence detector) or manual on/automatic off (absence detector) via a NO push button (230 Vac) (to be ordered separately).

- Dimensions (HxWxD): 105 x 105 x 86 mm
- Dimensions visible (HxWxD): 105 x 105 x 50 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Drill diameter: 48 mm
- Relay contact 1: NO 8,7 A
  - Maximum load incandescent and halogen lamps (cosφ=1): 2000 W
  - Maximum load low voltage halogen lamps: 1000 W
  - Maximum load economy lamps (CFLi): 300 W

- Maximum load LED lamps 230 V: 300 W
- Detection angle: 360 °
- Detection range (PIR): max. 26 m from 3 m height
- Light intensity range: 5 lux – 2000 lux
- Switch-off delay: 10 s – 20 m
- Protection degree: IP20
- Mounting height: 2 – 8 m
- Mounting method: flush-mounting or surface-mounting
- Ambient temperature: -20 – +45 °C

COMPLETE UNIT

| | 351-25467 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 351-25320 | Pieces: 1 | IR remote control for installers |

ACCESSORY – MINI REMOTE CONTROL FOR USERS

| | 351-25310 | Pieces: 1 | IR remote control for users |

ACCESSORY – SURFACE-MOUNTING BOX

| | 351-25420 | Pieces: 1 | Round surface-mounting box |

Presence or absence detector, 360°, 230 V, 26 m, secondary, for flush mounting

The presence or absence detector for flush mounting in ceilings is suitable for switching the indoor lighting on and off. Automatic on/off (presence detector) or manual on/automatic off (absence detector). The detection area can be divided by means of an adjustable cover mask. Use exclusively in combination with a Master (351-25451/56/57/63/66/67).

- Dimensions (HxWxD): 105 x 105 x 86 mm
- Dimensions visible (HxWxD): 105 x 105 x 50 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Drill diameter: 48 mm
- Detection angle: 360 °

- Detection range (PIR): max. 26 m from 3 m height
- Protection degree: IP20
- Mounting height: 2 – 8 m
- Mounting method: flush-mounting
- Ambient temperature: -20 – +40 °C

COMPLETE UNIT

| | 351-25469 | Pieces: 1 | Detector |

ACCESSORY – SURFACE-MOUNTING BOX

| | 351-25420 | Pieces: 1 | Round surface-mounting box |

The most recent information can be found at www.niko.eu

Presence or absence detector, 360°, 230 V, 32 m, master, one channel, for surface mounting on high ceilings

The presence or absence detector with one channel and daylight control for surface mounting on high ceilings is suitable for switching the indoor lighting on and off. The detector can be used stand-alone or as a master. The detector is equipped with an integrated light sensor. Automatic on/off (presence detector) or manual on/automatic off (absence detector). The detection area can be divided by means of an adjustable cover mask. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 117.3 x 117.3 x 64.1 mm
- Dimensions visible (HxWxD): 117.3 x 117.3 x 64.1 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO (max. μ10 A), potential-free, light- and motion-sensitive
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W

  - Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): circle, 16 – 32 m
- Light intensity range: 20 lux – 1000 lux, ∞
- Switch-off delay: 2 m – 1 h
- Protection degree: IP54
- Mounting height: 4 – 8 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

	350-20080	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	350-20089	Pieces: 1	IR remote control for installers

Presence or absence detector, 360°, 230 V, 32 m, secondary, for surface mounting on high ceilings

The presence or absence detector for surface mounting on high ceilings is suitable for switching indoor lighting on and off. Automatic on/off (presence detector) or manual on/automatic off (absence detector). The detection area can be divided by means of an adjustable cover mask. Use only in combination with a master (350-20080, 350-20070 or 350-20078). In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 117.3 x 117.3 x 64.1 mm
- Dimensions visible (HxWxD): 117.3 x 117.3 x 64.1 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Detection angle: 360 °
- Detection range (PIR): circle, 16 – 32 m

- Protection degree: IP54
- Mounting height: 4 – 8 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

	350-20081	Pieces: 1	Detector

Presence or absence detector 360°, master or stand-alone, 230 V AC, 1 channel potential-free, 16 m, flush-mounting, square

The presence or absence detector with one channel for flush mounting in ceilings is suitable for switching various loads via a potential-free contact. The detector is equipped with an integrated light sensor. Automatic on/off (presence detector) or manual on/automatic off (absence detector) via a NO push button (230 Vac) (to be ordered separately).

- Dimensions (HxWxD): 88 x 88 x 71 mm
- Dimensions visible (HxWxD): 88 x 88 x 35 mm
- Input voltage: 230 Vac ± 10 %, 50 – 60 Hz
- Number of channels: 1 channel
- Drill diameter: 48 mm
- Relay contact 1: 4.35 A
  - Maximum load incandescent and halogen lamps (cosφ=1): 1000 W
  - Maximum load low voltage halogen lamps: 500 W
  - Maximum load economy lamps (CFLi): 100 W

   - Maximum load LED lamps 230 V: 100 W
- Detection angle: 360 °
- Detection range (PIR): up to 14 m in diameter from a height of 3 m
- Response value luminosity: 5 lux – 2000 lux
- Switch-off delay: 10 s – 20 m
- Protection degree: IP20
- Mounting height: 2 – 6 m
- Mounting method: flush-mounting
- Ambient temperature: -20 – +40 °C

COMPLETE UNIT

| | 351-25451 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 351-25320 | Pieces: 1 | IR remote control for installers |

ACCESSORY – MINI REMOTE CONTROL FOR USERS

| | 351-25310 | Pieces: 1 | IR remote control for users |

ACCESSORY – SURFACE-MOUNTING BOX

| | 351-25400 | Pieces: 1 | Square surface-mounting box |

Presence or absence detector 360°, master or stand-alone, 230 V AC, 1 channel potential-free, 16 m, flush-mounting, round

The presence or absence detector with one channel for flush-mounting in ceilings is suitable for switching various loads via the potential-free contact. The detector is equipped with an integrated light sensor. Automatic on/off (presence detector) or manual on/automatic off (absence detector) via a NO push button (230 Vac) (to be ordered separately).

- Dimensions (HxWxD): 105 x 105 x 71 mm
- Dimensions visible (HxWxD): 105 x 105 x 35 mm
- Input voltage: 230 Vac ± 10 %, 50 – 60 Hz
- Number of channels: 1 channel
- Drill diameter: 48 mm
- Relay contact 1: 4.35 A
  - Maximum load incandescent and halogen lamps (cosφ=1): 1000 W
  - Maximum load low voltage halogen lamps: 500 W
  - Maximum load economy lamps (CFLi): 100 W

  - Maximum load LED lamps 230 V: 100 W
- Detection angle: 360 °
- Detection range (PIR): up to 14 m in diameter from a height of 3 m
- Response value luminosity: 5 lux – 2000 lux
- Switch-off delay: 10 s – 20 m
- Protection degree: IP20
- Mounting height: 2 – 6 m
- Mounting method: flush-mounting
- Ambient temperature: -20 – +40 °C

COMPLETE UNIT

	351-25463	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	351-25320	Pieces: 1	IR remote control for installers

ACCESSORY – MINI REMOTE CONTROL FOR USERS

	351-25310	Pieces: 1	IR remote control for users

ACCESSORY – SURFACE-MOUNTING BOX

	351-25420	Pieces: 1	Round surface-mounting box

Universal remote control for smartphone

Niko has developed a universal remote control for all Niko detectors which can be adjusted remotely. It consists of 2 components:
- The free Niko detector tool app, to be downloaded on your smartphone or tablet (both iOS and Android).
- The universal remote control, to be connected to the audio input of your smartphone.

Advantages:
- You only need one remote control for all installed detectors.
- The app explains step by step how to program and control each detector.
- You can immediately test the detector while walking through the room.
- The difficult configurations (such as daylight control) can be saved, to prevent the loss of data.

For most new detectors you can choose between manual set-up or via remote control. The detector always makes use of the most recent settings. The app provides easy access to all product information.

Important points:
- Ensure that the sound volume of your smartphone is sufficiently loud.
- Operates with android version 4.4 and IOS v8 or higher.

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

Presence detector, 360°, 230 V, 20 m, for surface mounting

One-channel presence detector with daylight control for ceiling mounting, suitable for switching indoor lighting. Provided with an integrated light sensor. Automatically on/off (after switch-off delay) or manually on/off via NO push button (230 Vac) (to be ordered separately). The detection area can be subdivided by means of an adaptable cover mask. In conformity with the European directive for EMC and safety EN60669-2-1.

- Dimensions (HxWxD): 127 x 127 x 59 mm
- Dimensions visible (HxWxD): 127 x 127 x 59 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Number of channels: 1 channel
- Relay contact 1: NO. (max. μ10 A), light- and motion-sensitive
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF

- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): circle, up to 20 m in diameter from a height of 3 m
- Light intensity range: 10 lux – 1000 lux
- Switch-off delay: 1 m – 30 m
- Protection degree: IP20
- Mounting height: 2.5 – 3.4 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

350-20054   Pieces: 1   Detector

DALI

In this chapter:

- DALI presence or absence detectors
- DALI multi-zone detectors
- DALI rotary dimmer
- DALI power supply, link module, relay module, push-button interface

	Article number	Description
	350-41650	Flat presence or absence detector with 3 zone DALI daylight control and extra functionalities, 360°, 12 m, master or stand-alone, 360°, for flush mounting
	350-41657	Flat presence or absence detector with 3 zone DALI daylight control, 360°, 12 m, master, for flush mounting
	350-41659	Flat presence or absence detector with 3 zone DALI daylight control, 12 m, secondary, for flush mounting
	350-41680	Flat presence or absence detector with 3 zone DALI daylight control and extra functionalities, 360°, 12 m, master or stand-alone, for flush mounting, with EnOcean
	350-41750	Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, master or stand-alone, for flush mounting
	350-41752	Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, secondary, for flush mounting
	350-41751	Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, master or stand-alone, for surface mounting
	350-41753	Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, secondary, for surface mounting
	350-41760	Detector with 3 zone DALI daylight control and extra functionalities, 360°, 32 m, master or stand-alone, for flush mounting in high ceilings
	350-41762	Detector with 3 zone DALI daylight control and extra functionalities, 360°, 32 m, secondary, for flush mounting in high ceilings
	350-41761	Detector with 3 zone DALI daylight control and extra functionalities, 360°, 32 m, master or stand-alone, for surface mounting on high ceilings
	350-41763	Detector with 3 zone DALI daylight control and extra functionalities, 360°, 32 m, secondary, for surface mounting on high ceilings
	350-41780	Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, master or stand-alone, for flush mounting, with EnOcean
	350-41781	Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, master or stand-alone, for surface mounting, with EnOcean
	350-70985	Compact power supply for DALI bus systems
	350-70021	DALI link module
	350-70020	DALI push-button interface
	350-70980	DALI relay module
	310-0210x	DALI rotary dimmer

Master/Secondary	Protection degree	Number of channels/ number of zones	Detection angle	Mounting height	Detection range Ceiling: at a height of 3 m Outdoor: at a height of 2.5 m Wall: at a height of 1.2 m	Commissioning method 1	Commissioning method 2	Commissioning method 3	Page
Master	IP20	3 zones	360°	2.4-3 m	12 m	App	Remote control	-	5.D-1
Master	IP20	3 zones	360°	2.4-3 m	12 m	App	Remote control	-	5.D-2
Secondary	IP20	-	360°	2.4-3 m	12 m	-	-	-	5.D-2
Master	IP20	3 zones	360°	2.4-3 m	12 m	App	Remote control	-	5.D-3
Master	IP54	3 zones	360°	2-3.4 m	24 m	App	Remote control	-	5.D-4
Secondary	IP54	-	360°	2-3.4 m	24 m	App	Remote control	-	5.D-4
Master	IP54	3 zones	360°	2-3.4 m	24 m	App	Remote control	-	5.D-5
Secondary	IP54	-	360°	2-3,4 m	24 m	App	Remote control	-	5.D-5
Master	IP54	3 zones	360°	4-8 m	32 m	App	Remote control	-	5.D-6
Secondary	IP54	-	360°	4-8 m	32 m	App	Remote control	-	5.D-6
Master	IP54	3 zones	360°	4-8 m	32 m	App	Remote control	-	5.D-7
Secondary	IP54	-	360°	4-8 m	32 m	App	Remote control	-	5.D-7
Master	IP54	3 zones	360°	2-3.4 m	24 m	App	Remote control	-	5.D-8
Master	IP54	3 zones	360°	2-3.4 m	24 m	App	Remote control	-	5.D-9
-	IP20	-	-	-	-	-	-	-	5.D-9
-	IP20	-	-	-	-	-	-	On the device	5.D-10
-	IP20	-	-	-	-	-	-	On the device	5.D-10
-	IP20	-	-	-	-	-	-	-	5.D-10
Secondary	IP20	-	-	-	-	-	-	On the device	5.D-11

Flat presence or absence detector with 3 zone DALI daylight control and extra functionalities, 360°, 12 m, master or stand-alone, 360°, for flush mounting

Presence detector, DALI daylight control for flush mounting in ceilings of 2.4 - 3 m. Stand-alone or as master combinable with a maximum of 10 secondary detectors (350-41659). For use in offices, schools, conference rooms… in large and small spaces. The detector has a maximum of 3 daylight controlled zones, and an extra contact which can be used. It has a very flat design of only 5 mm, so that it can be mounted almost flush with the ceiling. Depending on the chosen application the lighting must always be switched on manually using a push button, and is automatically switched off if there is sufficient daylight or no one is in the room (absence detector). Or the lighting is switched on automatically when movement is registered and there is insufficient daylight. In this case, the lighting is also automatically switched off if there is sufficient daylight or no one is in the room (presence detector). The lighting remains on as long as the detector detects movement and the measured level of daylight is lower than the set value. The switch-off delay, the lux value at which the lighting must switch on and the sensitivity of the detector are easily set with the IR remote control for smartphone (optional)

- Dimensions (HxWxD): 95 x 95 mm
- Dimensions visible (HxWxD): 95 x 95 x 5 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Drill diameter: 77 mm
- Relay contact 1: NO, (max. μ10 A), potential-free
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W

  - Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): up to 12 m in diameter from a height of 3 m
- Response value luminosity: 2 lux – 1000 lux
- Switch-off delay: 1 m – 2 h 46 m 39 s
- Protection degree: IP20
- Mounting height: 2.4 – 3 m
- Mounting method: flush-mounting
- Ambient temperature: 5 – +40 °C

COMPLETE UNIT

	350-41650	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	350-41934	Pieces: 1	IR-remote control for users

ACCESSORY – IR REMOTE CONTROL

	350-41935	Pieces: 1	IR remote control for users

Flat presence or absence detector with 3 zone DALI daylight control, 360°, 12 m, master, for flush mounting

Flat presence or absence detector, DALI daylight control for flush-mounting in ceilings of 2.4 - 3 m. Stand-alone or as master combinable with a maximum of 10 secondary detectors (350-41659). For use in offices, schools, conference rooms... in large and small spaces. The detector has a maximum of 3 daylight controlled zones and has a very flat design of only 5 mm, so that it can be mounted almost flush with the ceiling. The switch-off delay, the lux value at which the lighting must switch on and the sensitivity of the detector can easily set with the IR remote control (optional) or with the universal remote control for smartphone (optional).

- Dimensions (HxWxD): 95 x 95 x 95 mm
- Dimensions visible (HxWxD): 95 x 95 x 5 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Drill diameter: 77 mm
- Detection angle: 360 °
- Detection range (PIR): up to 12 m in diameter from a height of 3 m

- Response value luminosity: 10 lux – 1000 lux
- Switch-off delay: 5 m – 1 h
- Protection degree: IP20
- Mounting height: 2.4 – 3 m
- Mounting method: flush-mounting
- Ambient temperature: 5 – +40 °C

COMPLETE UNIT

	350-41657	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	350-41934	Pieces: 1	IR-remote control for users

ACCESSORY – IR REMOTE CONTROL

	350-41935	Pieces: 1	IR remote control for users

Flat presence or absence detector with 3 zone DALI daylight control, 12 m, secondary, for flush mounting

This presence detector (DALI daylight control, secondary detector) is suitable for flush mounting in ceilings and can only be used in combination with the master (350-41657, 350-41650 and 350-41680) to increase its detection range. The detector has a very flat design of only 5 mm, so that it can be mounted almost flush with the ceiling. The device follows the settings of the master. The sensitivity of the secondary detector, though, can be set separately. A maximum of ten secondary detectors can be connected per master.

- Dimensions (HxWxD): 95 x 95 x 95 mm
- Dimensions visible (HxWxD): 95 x 95 x 5 mm
- Drill diameter: 77 mm
- Detection angle: 360 °
- Detection range (PIR): up to 12 m in diameter from a height of 3 m

- Protection degree: IP20
- Mounting height: 2.4 – 3 m
- Mounting method: flush-mounting
- Ambient temperature: 5 – +40 °C

COMPLETE UNIT

	350-41659	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	350-41934	Pieces: 1	IR-remote control for users

The most recent information can be found at www.niko.eu

Flat presence or absence detector with 3 zone DALI daylight control and extra functionalities, 360°, 12 m, master or stand-alone, for flush mounting, with EnOcean

The 360° DALI presence detector is suitable for the control of DALI devices in a maximum of 3 daylight zones. Depending on the incoming daylight, the light intensity of each zone will be adjusted separately. The detector can also control, switch on and off or dim one or two secondary zones (depending on the selected settings). The detector is designed for indoor applications and has an integrated light sensor. It is suitable for use in offices, schools and public buildings and can be used in both large and small rooms. The device also has an integrated relay for controlling either lighting or ventilation (to be ordered separately). The detector is equipped with an integrated EnOcean receiver, enabling wireless control with EnOcean transmitters.

- Dimensions (HxWxD): 95 x 95 mm
- Dimensions visible (HxWxD): 95 x 95 x 5 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Drill diameter: 77 mm
- Relay contact 1: NO (max. μ10 A), potential-free
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W

- Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): up to 12 m in diameter from a height of 3 m
- Response value luminosity: 2 lux – 1000 lux
- Switch-off delay: 5 s – 2 h 46 m 39 s
- Protection degree: IP20
- Mounting height: 2.4 – 3 m
- Mounting method: flush-mounting
- Ambient temperature: 5 – +40 °C

COMPLETE UNIT

| | 350-41680 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-41934 | Pieces: 1 | IR-remote control for users |

ACCESSORY – IR REMOTE CONTROL

| | 350-41935 | Pieces: 1 | IR remote control for users |

Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, master or stand-alone, for flush mounting

Presence detector ensuring that a constant level of light is maintained in the room while someone is present. The sensor regulates a maximum of 4 zones, of which 2 to 3 daylight-controlled and 1 or 2 secondary zones. With a push button you can manually dim the light or switch it on/off (to be ordered separately). The detector also has an extra relay contact. The detector is directly connected to the DALI bus. The detector assigns every luminaire its own address (DALI addressable). This ensures that each luminaire can be allocated to any zone and zones can be updated without altering the cabling. The detector is shipped with a flush-mounting box with spring clips.

- Dimensions (HxWxD): 100 x 100 x 74.7 mm
- Dimensions visible (HxWxD): 100 x 100 x 46.4 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Drill diameter: 88.5 mm
- Relay contact 1: NO. (max. μ10 A)
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF

- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): up to 24 m in diameter from a height of 3 m
- Response value luminosity: 100 lux – 2000 lux
- Switch-off delay: 5 m – ∞
- Protection degree: IP54
- Mounting height: 2 – 3.5 m
- Mounting method: flush-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-41750 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-41934 | Pieces: 1 | IR-remote control for users |

ACCESSORY – IR REMOTE CONTROL

| | 350-41935 | Pieces: 1 | IR remote control for users |

Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, secondary, for flush mounting

Presence detector ensuring that a constant level of light is created in the room while someone is present. The detector is directly connected to the DALI bus. Use exclusively in combination with a DALI addressable master with extra functionalities (e.g. 350-41750). The detector is shipped with a flush-mounting box with spring clips.

- Dimensions (HxWxD): 100 x 100 x 74.7 mm
- Dimensions visible (HxWxD): 100 x 100 x 46.4 mm
- Drill diameter: 88.5 mm
- Detection angle: 360 °
- Detection range (PIR): up to 24 m in diameter from a height of 3 m

- Protection degree: IP54
- Mounting height: 2 – 3.4 m
- Mounting method: flush-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-41752 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-41934 | Pieces: 1 | IR-remote control for users |

5.A
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Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, master or stand-alone, for surface mounting

Presence detector ensuring that a constant level of light is created in the room while someone is present. The sensor regulates a maximum of 4 zones, of which 2 to 3 daylight-controlled and 1 or 2 secondary zones. With a push button you can manually dim the light or switch it on/off (to be ordered separately). The detector also has an extra relay contact. The detector is directly connected to the DALI bus. The detector assigns every luminaire its own address (DALI addressable). This ensures that each luminaire can be allocated to any zone and zones can be updated without altering the cabling.

- Dimensions (HxWxD): 117.3 x 117.3 x 64.1 mm
- Dimensions visible (HxWxD): 117.3 x 117.3 x 64.1 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Relay contact 1: NO (max. μ10 A), potential-free
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): circle, 16 – 24 m
- Response value luminosity: 100 lux – 2000 lux
- Switch-off delay: 5 m – ∞
- Protection degree: IP54
- Mounting height: 2 – 3.4 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-41751 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-41934 | Pieces: 1 | IR-remote control for users |

ACCESSORY – IR REMOTE CONTROL

| | 350-41935 | Pieces: 1 | IR remote control for users |

Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, secondary, for surface mounting

Presence detector ensuring that a constant level of light is created in the room while someone is present. The detector is directly connected to the DALI bus. Use exclusively in combination with a DALI addressable master with extra functionalities (e.g. 350-41751).

- Dimensions (HxWxD): 117.3 x 117.3 x 64.1 mm
- Dimensions visible (HxWxD): 117.3 x 117.3 x 64.1 mm
- Detection angle: 360 °
- Detection range (PIR): up to 24 m in diameter from a height of 3 m
- Protection degree: IP54
- Mounting height: 2 – 3.4 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-41753 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-41934 | Pieces: 1 | IR-remote control for users |

Detector with 3 zone DALI daylight control and extra functionalities, 360°, 32 m, master or stand-alone, for flush mounting in high ceilings

Presence detector ensuring that a constant level of light is created in the room while someone is present. The sensor regulates a maximum of 4 zones, of which 2 to 3 daylight-controlled and 1 or 2 secondary zones. With a push button you can manually dim the light or switch it on/off (to be ordered separately). The detector also has an extra relay contact. The detector is directly connected to the DALI bus. The detector assigns every luminaire its own address (DALI addressable). This ensures that each luminaire can be allocated to any zone and zones can be updated without altering the cabling. The detector is shipped with a flush-mounting box with spring clips.

- Input voltage: 230 V ± 10 %, 50 Hz
- Drill diameter: 88.5 mm
- Relay contact 1: NO (max. μ10 A), potential-free
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF

- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): circle, 16 – 32 m
- Response value luminosity: 100 lux – 2000 lux
- Switch-off delay: 5 m – ∞
- Protection degree: IP54
- Mounting height: 4 – 8 m
- Mounting method: flush-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-41760 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-41934 | Pieces: 1 | IR-remote control for users |

ACCESSORY – IR REMOTE CONTROL

| | 350-41935 | Pieces: 1 | IR remote control for users |

Detector with 3 zone DALI daylight control and extra functionalities, 360°, 32 m, secondary, for flush mounting in high ceilings

Presence detector ensuring that a constant level of light is created in the room while someone is present. The detector is directly connected to the DALI bus. Use exclusively in combination with a DALI addressable master with extra functionalities (e.g. 350-41760). The detector is shipped with a flush-mounting box with spring clips.

- Drill diameter: 88.5 mm
- Detection angle: 360 °
- Detection range (PIR): circle, 16 – 32 m
- Protection degree: IP54

- Mounting height: 4 – 8 m
- Mounting method: flush-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-41762 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-41934 | Pieces: 1 | IR-remote control for users |

Detector with 3 zone DALI daylight control and extra functionalities, 360°, 32 m, master or stand-alone, for surface mounting on high ceilings

Presence detector ensuring that a constant level of light is created in the room while someone is present. The sensor regulates a maximum of 4 zones, of which 2 to 3 daylight-controlled and 1 or 2 secondary zones. With a push button you can manually dim the light or switch it on/off (to be ordered separately). The detector also has an extra relay contact. The detector is directly connected to the DALI bus. The detector assigns every luminaire its own address (DALI addressable). This ensures that each luminaire can be allocated to any zone and zones can be updated without altering the cabling.

- Dimensions (HxWxD): 117.3 x 117.3 x 64.1 mm
- Dimensions visible (HxWxD): 117.3 x 117.3 x 64.1 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Relay contact 1: NO (max. μ10 A), potential-free
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF

- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): circle, 16 – 32 m
- Response value luminosity: 100 lux – 2000 lux
- Switch-off delay: 5 m – ∞
- Protection degree: IP54
- Mounting height: 4 – 8 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-41761 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-41934 | Pieces: 1 | IR-remote control for users |

ACCESSORY – IR REMOTE CONTROL

| | 350-41935 | Pieces: 1 | IR remote control for users |

Detector with 3 zone DALI daylight control and extra functionalities, 360°, 32 m, secondary, for surface mounting on high ceilings

Presence detector ensuring that a constant level of light is created in the room while someone is present. The detector is directly connected to the DALI bus. Use exclusively in combination with a DALI addressable master with extra functionalities.

- Dimensions (HxWxD): 117.3 x 117.3 x 64.1 mm
- Dimensions visible (HxWxD): 117.3 x 117.3 x 64.1 mm
- Detection angle: 360 °
- Detection range (PIR): up to 32 m in diameter from a height of 8 m

- Protection degree: IP54
- Mounting height: 4 – 8 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-41763 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-41934 | Pieces: 1 | IR-remote control for users |

Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, master or stand-alone, for flush mounting, with EnOcean

Presence detector ensuring that a constant level of light is created in the room while someone is present. The detector regulates a maximum of 4 zones, of which 2 to 3 daylight-controlled and 1 or 2 secondary zones. With a push button you can manually dim the light or switch it on/off (to be ordered separately). The detector also has an extra relay contact. The detector is directly connected to the DALI bus. The detector assigns every luminaire its own address (DALI addressable). This ensures that each luminaire can be allocated to any zone and zones can be updated without altering the cabling. The detector is shipped with a flush-mounting box with spring clips.

- Input voltage: 230 V ± 10 %, 50 Hz
- Relay contact 1: NO (max. μ10 A), potential-free
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF
- Maximum switching current: 165 A/20 ms – 800 A/200 μs

- Detection angle: 360 °
- Detection range (PIR): circle, 16 – 24 m
- Response value luminosity: 100 lux – 2000 lux
- Switch-off delay: 5 m – ∞
- Protection degree: IP54
- Mounting height: 2 – 3.4 m
- Mounting method: flush-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-41780 | Pieces: 1 | Detector |

ACCESSORY – UNIVERSAL REMOTE CONTROL

| | 350-41936 | Pieces: 1 | Universal remote control for smartphone |

ACCESSORY – IR REMOTE CONTROL

| | 350-41934 | Pieces: 1 | IR-remote control for users |

ACCESSORY – IR REMOTE CONTROL

| | 350-41935 | Pieces: 1 | IR remote control for users |

5.A
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Detector with 3 zone DALI daylight control and extra functionalities, 360°, 24 m, master or stand-alone, for surface mounting, with EnOcean

Presence detector ensuring that a constant level of light is created in the room while someone is present. The sensor regulates a maximum of 4 zones, of which 2 to 3 daylight-controlled and 1 or 2 secondary zones. With a push button you can manually dim the light or switch it on/off (to be ordered separately). The detector also has an extra relay contact. The detector is directly connected to the DALI bus. The detector assigns every luminaire its own address (DALI addressable). This ensures that each luminaire can be allocated to any zone and zones can be updated without altering the cabling.

- Dimensions (HxWxD): 117.3 x 117.3 x 64.1 mm
- Dimensions visible (HxWxD): 117.3 x 117.3 x 64.1 mm
- Input voltage: 230 V ± 10 %, 50 Hz
- Relay contact 1: NO (max. μ10 A), potential-free
  - Maximum load incandescent and halogen lamps (cosφ=1): 2300 W
  - Maximum load low voltage halogen lamps: 1200 W
  - Maximum load economy lamps (CFLi): 350 W
  - Maximum load LED lamps 230 V: 350 W
  - Maximum capacitive load: 140 μF

- Maximum switching current: 165 A/20 ms – 800 A/200 μs
- Detection angle: 360 °
- Detection range (PIR): up to 24 m in diameter from a height of 3 m
- Response value luminosity: 100 lux – 2000 lux
- Switch-off delay: 5 m – ∞
- Protection degree: IP54
- Mounting height: 2 – 3.4 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

	350-41781	Pieces: 1	Detector

ACCESSORY – UNIVERSAL REMOTE CONTROL

	350-41936	Pieces: 1	Universal remote control for smartphone

ACCESSORY – IR REMOTE CONTROL

	350-41934	Pieces: 1	IR-remote control for users

ACCESSORY – IR REMOTE CONTROL

	350-41935	Pieces: 1	IR remote control for users

Compact power supply for DALI bus systems

This compact power supply is used to supply power to the DALI bus and its connected control devices. The power supply can either be integrated in the luminaire itself, or placed on the suspended ceiling. The maximum load is 250 mA.

- power supply voltage: 85 to 265 V, frequency 50/60 Hz
- dimensions (HxWxL): 30 x 20 x 160 mm
- standby consumption: < 1 W
- output: DALI
- output voltage: 16 Vdc + - 5 %

- max. load DALI output: 250 mA/4 W
- ambient temperature: 0 – +50 °C
- protection degree: IP20
- air humidity: 20 - 95% RH, non condensing

COMPLETE UNIT

350-70985	Pieces: 1	Complete unit

DALI link module

With this DALI link module, you can connect several DALI buses together, making it possible to control zones which are separated by folding doors, adjoining zones, or installations with more than the maximum number of 64 DALI units per bus. The module's design makes it easy to integrate into the installation, and it does not require a 230 V supply.

The module can be used with the Niko DALI addressable masters with additional functionalities.

- dimensions (HxWxD): 21 x 30 x 159 mm
- power supply: via the DALI bus
- power consumption of input 1/2: 14/4 mA
- ambient temperature: +5 – +40 °C
- air humidity: 20 - 95% RH, non condensing

COMPLETE UNIT

350-70021   Pieces: 1   DALI link module

DALI push-button interface

Push-button interface for control of DALI buses. Push-button interface transforms the switch impulse of external push buttons (e.g. 4-fold push button) into a DALI command. You can easily mount the compact interface in the flush-mounting box behind a potential-free push button.

You can connect 4 push buttons to this interface. Depending on the setting, you can switch a selected light group on or off with every push button (with a brief press) or dim it (by holding down), or select a light scene (pressing briefly). Suitable for all DALI addressable Niko detectors (350-41650, 350-41680, 350-41750, 350-41751, 350-41760, 350-41761, 350-41780 and 350-41781).

- power supply voltage: via the DALI bus
- dimensions (HxWxD): 35 x 30 x 12 mm
- maximum power consumption: 6 mA
- ambient temperature: +5 – +40 °C

COMPLETE UNIT

350-70020   Pieces: 1   DALI push-button interface for control of DALI buses

DALI relay module

- Reference: 350-70980
- Marking: CE

COMPLETE UNIT

350-70980   Pieces: 1   Complete unit

5.A
5.B
5.C
5.D
5.E
5.F
5.G

The most recent information can be found at www.niko.eu

DALI rotary dimmer

This DALI rotary control is used to control DALI controlled light luminaires. The dimmer can be set to control 15 DALI groups separately or set in broadcast mode, to control all DALI controlled devices simultaneously. This dimmer is not equipped with a built-in power supply for the DALI bus (you can use the external Niko power supply 350-70985 or DALI DIN rail bus power supply 67-710). The rotary dimmer can also be used in combination with the Niko DALI addressable detectors to manually dim the light. It is possible to manually change the dimming speed (the so-called fade rate) - without the use of a PC.

- for use in DALI systems
- power supply voltage: that of the DALI bus (not built-in)
- complies with the EN 60669-2-1
- groups: 15 (configurable) individually or all at once (broadcast)

- dimming speed: adjustable
- wire capacity: 2 x 2.5 mm^2
- ambient temperature: +5 – +50 °C
- maximum power consumption: 6 mA

BASE

	310-02100	Pieces: 6	With screw terminals and claw fixing
	310-02101	Pieces: 6	With screw terminals, for screw fixing

FINISHING SET

100-31003	Pieces: 10	101-31003	Pieces: 10	102-31003	Pieces: 10
104-31003	Pieces: 10	121-31003	Pieces: 10	122-31003	Pieces: 10
123-31003	Pieces: 10	124-31003	Pieces: 10	154-31003	Pieces: 10
157-31003	Pieces: 10	161-31003	Pieces: 10	200-31003	Pieces: 10
220-31003	Pieces: 10	221-31003	Pieces: 10		

Flush surround plates to be ordered separately.
Product drawings purely illustrative.

KNX

In this chapter:
- KNX (mini) presence detector
- KNX motion detectors
- KNX motion detectors for corridors
- KNX outdoor motion detectors

NEW

Mini presence detector P34MR, KNX, 8-10 m, 360°, for flush mounting
ref. 350-34001
- Flat lens
- Includes plug in connector for easy installation
- Easy configuration (well-structured ETS file)
- 5 channels: 4 channels for lighting control, alarm and HVAC + light measurement
- Various applications: presence, lux, constant light switch, HVAC, alarm
- Flat design, available in white and black finish (exchangeable deco ring)
- IP54
- Small form factor (28 mm drill diameter, 40 mm depth in ceiling)

Presence detector P34MR, KNX, 9-10 m, 360°, for flush mounting and flush-mounting box
ref. 350-34002
- Flat lens
- Plug-in terminals for fast installation
- Easy configuration (well-structured ETS file)
- 5 channels: 4 channels for lighting control, alarm and HVAC + light measurement
- Various applications: presence, lux, constant light switch, HVAC, alarm
- Flat design, available in white and black finish (exchangeable deco ring)
- Up to IP54 in combination with surface mounting accessory
- For flush mounting or flush-mounting box
- Surface mounting via accessory

5.A
5.B
5.C
5.D
5.E
5.E
5.G

Motion detector M34LR, KNX, 39-41 m, 360°, for flush-mounting box
ref. 350-34003 (white) and 350-34013 (black)
- High performance
- Plug-in terminals for fast installation
- Easy configuration (well-structured ETS file)
- 5 channels: 4 channels for lighting control, alarm and HVAC + light measurement
- Various applications: presence, lux, constant light switch, HVAC, alarm
- Available in white and black finish
- Up to IP54 in combination with surface mounting accessory
- For flush-mounting box
- Flush or surface mounting via accessories

Motion detector M34HC, KNX, high ceiling, 15-29 m, 360°, for flush-mounting box
ref. 350-34004 (white) and ref. 350-34014 (black)
- Installation height up to 10m
- Plug-in terminals for fast installation
- Easy configuration (well-structured ETS file)
- 5 channels: 4 channels for lighting control, alarm and HVAC + light measurement
- Various applications: presence, lux, constant light switch, HVAC, alarm
- Available in white and black finish
- Up to IP54 in combination with surface mounting accessory
- For flush-mounting box
- Flush or surface mounting via accessories

		Article number	Description
	NEW	350-34001	Mini presence detector P34MR, KNX, 8-10 m, 360°, for flush mounting
	NEW	350-34002	Presence detector P34MR, KNX, 9-10 m, 360°, for flush mounting and flush-mounting box
	NEW	350-34003	Motion detector M34LR, KNX, 39-41 m, 360°, for flush-mounting box
	NEW	350-34004	Motion detector M34HC, KNX, 15-29 m, high ceiling, 360°, for flush-mounting box
	NEW	350-34013	Motion detector M34LR, KNX, 39-41 m, 360°, for flush-mounting box, black
	NEW	350-34014	Motion detector M34HC, KNX, high ceiling, 15-29 m, 360°, for flush-mounting box, black
		350-530311	Motion detector for corridors, 360°, KNX, 40 m, for flush-mounting box
		350-213001	Outdoor motion detector, KNX, 360°, 16 m, for surface mounting

Master/Secondary	Protection degree	Number of channels Number of zones	Detection angle	Mounting height	Detection range Ceiling: at a height of 3 m Outdoor: at a height of 2.5 m Wall: at a height of 1.2 m	Commissioning method	Page
-	IP54	5 ch	360°	2 - 4 m	10 m	Via the KNX-bus	5.E-1
-	IP44	5 ch	360°	2 - 4 m	9 - 10 m	Via the KNX-bus	5.E-1
-	IP40	5 ch	360°	2 - 3 m	39 - 41 m	Via the KNX-bus	5.E-2
-	IP20	5 ch	360°	2 - 10 m	15 - 29 m	Via the KNX-bus	5.E-2
-	IP20	5 ch	360°	2 - 3 m	39 - 41 m	Via the KNX-bus	5.E-3
-	IP20	5 ch	360°	2 - 10 m	15 - 29 m	Via the KNX-bus	5.E-3
-	IP20	2 ch	360°	2 - 2.5 m	40 m	Via the KNX-bus	5.E-4
-	IP55	-	360°	2 - 3 m	16 m	Via the KNX-bus	5.E-4

Mini presence detector P34MR, KNX, 8-10 m, 360°, for flush mounting

This flat lens mini presence detector with 5 channels is suitable for KNX systems. It can be flush mounted in the ceiling or in thin ceiling profiles. A black deco ring can be ordered separately. In conformity with the European directive for EMC and safety EN 60669-2-1.

NEW

- Input voltage: 30 Vdc via KNX-bus
- Maximum current consumption: 10 mA
- Number of channels: 5 channels
- Light intensity range: 10 lux – 2000 lux
- Switch-off delay: 1 s – 18 h 12 min 15 s
- Detection angle: 360 °
- Detection range (PIR): up to 10 m in diameter from a height of 3 m
- Ambient temperature: -20 – +50 °C

- Mounting method: flush-mounting
- Drill diameter: 28 mm
- Mounting height: 2 – 4 m
- Colour: white (RAL 9010)
- Dimensions (HxWxD): 45 x 45 x 50 mm
- Protection degree: IP54
- Impact resistance: IK02

Available in the fourth quarter of 2021. This product is still in development. The technical specifications could be subject to change.

COMPLETE UNIT

	350-34001	Pieces: 1	Detector

ACCESSORY – DECO RING, BLACK

	390-34011	Pieces: 10	Deco ring for P34MR mini detector, black

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Presence detector P34MR, KNX, 9-10 m, 360°, for flush mounting and flush-mounting box

This flat lens presence detector with 5 channels is suitable for KNX systems. It can be flush mounted in the ceiling or installed in a flush-mounting box. A black deco ring and a surface-mounting box can be ordered separately. In conformity with the European directive for EMC and safety EN 60669-2-1.

NEW

- Input voltage: 30 Vdc via KNX-bus
- Maximum current consumption: 10 mA
- Number of channels: 5 channels
- Light intensity range: 10 lux – 2000 lux
- Switch-off delay: 1 s – 18 h 12 min 15 s
- Detection angle: 360 °
- Detection range (PIR): up to 10 m in diameter from a height of 3 m
- Ambient temperature: -20 – +50 °C

- Mounting method: flush-mounting
- Drill diameter: 58 mm
- Mounting height: 2 – 4 m
- Colour: white (RAL 9010)
- Dimensions (HxWxD): 75 x 75 x 41 mm
- Protection degree: IP40 (Flush-mounting box) / IP44 (spring clips)
- Impact resistance: IK02

Available in the fourth quarter of 2021. This product is still in development. The technical specifications could be subject to change.

COMPLETE UNIT

	350-34002	Pieces: 1	Detector

ACCESSORY – DECO RING, BLACK

	390-34012	Pieces: 10	Deco ring for P34MR detector, black

ACCESSORY – SURFACE MOUNTING BOX

	390-34102	Pieces: 1	Surface mounting box for P34MR

ACCESSORY – SURFACE MOUNTING BOX, BLACK

	390-34112	Pieces: 1	Surface mounting box for P34MR, black

Motion detector M34LR, KNX, 39-41 m, 360°, for flush-mounting box

This motion detector with 5 channels is suitable for KNX systems. It can be installed in a flush-mounting box. Spring clips for flush-mounting and a surface-mounting box can be ordered separately. In conformity with the European directive for EMC and safety EN 60669-2-1.

- Input voltage: 30 Vdc via KNX-bus
- Maximum current consumption: 10 mA
- Number of channels: 5 channels
- Light intensity range: 10 lux – 2000 lux
- Switch-off delay: 1 s – 18 h 12 min 15 s
- Detection angle: 360 °
- Detection range (PIR): up to 41 m in diameter from a height of 3 m
- Ambient temperature: -20 – +50 °C

- Mounting method: flush-mounting box
- Drill diameter: 56 mm
- Mounting height: 2 – 3 m
- Colour: white (RAL 9010)
- Dimensions (HxWxD): 111 x 111 x 70 mm
- Protection degree: IP40
- Impact resistance: IK02

NEW

Available in the fourth quarter of 2021. This product is still in development. The technical specifications could be subject to change.

COMPLETE UNIT

350-34003   Pieces: 36   Detector

ACCESSORY – SURFACE MOUNTING BOX

390-34103   Pieces: 1   Surface mounting box for M34LR

ACCESSORY – SPRING CLIPS

390-34203   Pieces: 1   Spring clips for M34LR/M34HC

Motion detector M34HC, KNX, 15-29 m, high ceiling, 360°, for flush-mounting box

This motion detector for high ceiling with 5 channels is suitable for KNX systems. It can be installed in a flush-mounting box. Spring clips for flush-mounting and a surface-mounting box can be ordered separately. In conformity with the European directive for EMC and safety EN 60669-2-1.

- Input voltage: 30 Vdc via KNX-bus
- Maximum current consumption: 10 mA
- Number of channels: 5 channels
- Light intensity range: 10 lux – 2000 lux
- Switch-off delay: 1 s – 18 h 12 min 15 s
- Detection angle: 360 °
- Detection range (PIR): up to 29 m in diameter from a height of 10 m

- Ambient temperature: -20 – +50 °C
- Mounting method: flush-mounting box
- Drill diameter: 56 mm
- Mounting height: 2 – 10 m
- Colour: white (RAL 9010)
- Dimensions (HxWxD): 102 x 102 x 51 mm
- Protection degree: IP20
- Impact resistance: IK02

NEW

Available in the fourth quarter of 2021. This product is still in development. The technical specifications could be subject to change.

COMPLETE UNIT

350-34004   Pieces: 36   Detector

ACCESSORY – SURFACE MOUNTING BOX

390-34104   Pieces: 1   Surface mounting box for M34HC

NEW

Motion detector M34LR, KNX, 39-41 m, 360°, for flush-mounting box, black

This motion detector with 5 channels is suitable for KNX systems. It can be installed in a flush-mounting box. Spring clips for flush-mounting and a surface-mounting box can be ordered separately. In conformity with the European directive for EMC and safety EN 60669-2-1.

- Input voltage: 30 Vdc via KNX-bus
- Maximum current consumption: 10 mA
- Number of channels: 5 channels
- Light intensity range: 10 lux – 2000 lux
- Switch-off delay: 1 s – 18 h 12 min 15 s
- Detection angle: 360 °
- Detection range (PIR): up to 41 m in diameter from a height of 3 m
- Ambient temperature: -20 – +50 °C

- Mounting method: flush-mounting box
- Drill diameter: 56 mm
- Mounting height: 2 – 3 m
- Colour: black (approximately RAL 9011)
- Dimensions (HxWxD): 111 x 111 x 70 mm
- Protection degree: IP40
- Impact resistance: IK02

Available in the fourth quarter of 2021. This product is still in development. The technical specifications could be subject to change.

COMPLETE UNIT

	350-34013	Pieces: 1	Detector

ACCESSORY – SURFACE MOUNTING BOX, BLACK

	390-34113	Pieces: 1	Surface mounting box for M34LR, black

ACCESSORY – SPRING CLIPS

	390-34203	Pieces: 1	Spring clips for M34LR/M34HC

Motion detector M34HC, KNX, high ceiling, 15-29 m, 360°, for flush-mounting box, black

This motion detector for high ceiling with 5 channels is suitable for KNX systems. It can be installed in a flush-mounting box. Spring clips for flush-mounting and a surface-mounting box can be ordered separately. In conformity with the European directive for EMC and safety EN 60669-2-1.

- Input voltage: 30 Vdc via KNX-bus
- Maximum current consumption: 10 mA
- Number of channels: 5 channels
- Light intensity range: 10 lux – 2000 lux
- Switch-off delay: 1 s – 18 h 12 min 15 s
- Detection angle: 360 °
- Detection range (PIR): up to 29 m in diameter from a height of 10 m
- Ambient temperature: -20 – +50 °C

- Mounting method: flush-mounting box
- Drill diameter: 56 mm
- Mounting height: 2 – 10 m
- Colour: black (approximately RAL 9011)
- Dimensions (HxWxD): 102 x 102 x 51 mm
- Detector settings: ETS software
- Protection degree: IP20
- Impact resistance: IK02

Available in the fourth quarter of 2021. This product is still in development. The technical specifications could be subject to change.

COMPLETE UNIT

	350-34014	Pieces: 1	Detector

ACCESSORY – SURFACE MOUNTING BOX, BLACK

	390-34114	Pieces: 1	Surface mounting box for M34HC, black

Motion detector for corridors, 360°, KNX, 40 m, for flush-mounting box

The corridor motion detector with two channels is suitable for KNX systems. It can be installed in a flush-mounting box in the ceiling. Spring clips and an IP54 surface-mounting box can be ordered separately. In conformity with the European directive for EMC and safety EN 60669-2-1.

- Dimensions (HxWxD): 105 x 105 x 60 mm
- Dimensions visible (HxWxD): 105 x 105 x 38 mm
- Input voltage: 30 Vdc via KNX-bus
- Number of channels: 2 channel
- Detection angle: 360°
- Light intensity range: 10 lux – 2000 lux, ∞

- Switch-off delay: 30 s – 60 min
- Protection degree: IP20
- Mounting height: 2 – 2.5 m
- Mounting method: flush-mounting box
- Ambient temperature: -20 – +45 °C

COMPLETE UNIT

| | 350-530311 | Pieces: 1 | Detector |

ACCESSORY – IR REMOTE CONTROL

| | 350-939998 | Pieces: 1 | IR-remote control for 35 m corridor detector KNX |

ACCESSORY – FLUSH-MOUNING BOX WITH SPRING CLIPS

| | 350-991999 | Pieces: 1 | Flush-mounting box with spring clips |

ACCESSORY – IP54 SURFACE-MOUNTING BOX

| | 350-992901 | Pieces: 1 | Surface-mounting box for 35 m detector for corridors |

Outdoor motion detector, KNX, 360°, 16 m, for surface mounting

The outdoor motion detector with two channels is suitable for KNX systems. It can be surface mounted on walls or ceilings and is easy to install thanks to the plug-in terminals. The detector can also be used for indoor applications. In conformity with the European directive for EMC and safety EN 60669-2-1.

- Dimensions (HxWxD): 79 x 90 x 150 mm
- Dimensions visible (HxWxD): 79 x 90 x 150 mm
- Input voltage: 30 Vdc via KNX-bus
- Detection angle: 360°
- Light intensity range: 5 lux – 2000 lux ∞

- Switch-off delay: 5 s – 1 h
- Protection degree: IP55
- Mounting height: 2 – 3 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +50 °C

COMPLETE UNIT

| | 350-213001 | Pieces: 1 | Detector |

ACCESSORY – IR REMOTE CONTROL FOR 350-213001

| | 350-999908 | Pieces: 1 | IR-remote control for outdoor motion detector KNX |

ACCESSORY – CORNER-MOUNTING BRACKET FOR 350-213001

| | 350-993991 | Pieces: 1 | Corner mounting bracket |

The most recent information can be found at www.niko.eu

Niko Home Control

In this chapter:

- mini presence detector
- wall motion detector
- outdoor motion detector

	Article number	Description
	550-20220	Mini presence detector, 360°, Niko Home Control, 9 m
	550-20210	Wall motion detector, 180°, Niko Home Control, 9 m, for claw fixing
	550-20211	Wall motion detector, 180°, Niko Home Control, 9 m, for screw fixing (centre distance: 71 mm)
	550-20212	Wall motion detector, 180°, Niko Home Control, 9 m, for screw fixing
	550-20200	Outdoor motion detector, 180°, Niko Home Control, 16 m, with orientable lens
	550-20201	Outdoor motion detector, 180°, Niko Home Control, 13 m, with orientable lens, black

Master/Secondary	Protection degree	Number of channels Number of zones	Detection angle	Mounting height	Detection range Ceiling: at a height of 3 m Outdoor: at a height of 2.5 m Wall: at a height of 1.2 m	Commissioning method 1	Commissioning method 2	Page
-	IP65	1 ch	360°	2-3 m	9 m	Via Niko Home Control	-	5.F-1
-	IP40	1 ch	180°	0.9-1.1 m	9 m	Via Niko Home Control	-	5.F-1
-	IP40	1 ch	180°	0.9-1.1 m	9 m	-	On the device	5.F-1
-	IP40	1 ch	180°	0.9-1.1 m	9 m	-	On the device	5.F-1
-	IP54	1 ch	180°	2,5 m	16 m	-	On the device	5.F-1
-	IP54	1 ch	180°	2,5 m	13 m	-	On the device	5.F-2

Mini presence detector, 360°, Niko Home Control, 9 m

The mini detector detects movement and changes in light intensity. Using this information various Niko Home Control actions can be activated or deactivated. The product is suitable for ceiling mounting in suspended ceilings, both indoors and outdoors.

- Dimensions (HxWxD): 13 x 36 mm
- Dimensions visible (HxWxD): 13 x 36 mm
- Input voltage: 26 Vdc (SELV, safety extra-low voltage)
- Drill diameter: 30 mm
- Detection angle: 360 °

- Detection range (PIR): 9.5 m from a height of 3 m
- Light intensity range: 2 lux – 2500 lux
- Ambient temperature: -10 – +50 °C
- Mounting method: flush-mounting

COMPLETE UNIT

	550-20220	Pieces: 1	Detector

Wall motion detector, 180°, Niko Home Control, 9 m

This motion detector is suitable for indoor use only. Niko Home Control supplies power to the motion detector. No additional power supply is required. To be used as a motion detector or as a motion detector in combination with a photo cell.

- resting potential: 26 Vdc (SELV, safety extra-low voltage)
- detection angle: 180° horizontal, 60° vertical
- detection range: 9 m (horizontal)
- recommended mounting height: 90 - 110 cm
- light sensitivity: 5 - 1200 lux

- switch-off delay: 10 s
- manual mode option
- ambient temperature: -5 – +45 °C
- CE marked

COMPLETE UNIT

	550-20210	Pieces: 6	For claw fixing
	550-20211	Pieces: 6	For screw fixing (centre distance: 71 mm)
	550-20212	Pieces: 6	For screw fixing

FINISHING SET

100-55511	Pieces: 6	101-55511	Pieces: 6	102-55511	Pieces: 6
104-55511	Pieces: 6	121-55511	Pieces: 6	122-55511	Pieces: 6
123-55511	Pieces: 6	124-55511	Pieces: 6	154-55511	Pieces: 6
157-55511	Pieces: 6	161-55511	Pieces: 6	200-55511	Pieces: 6
220-55511	Pieces: 6	221-55511	Pieces: 6		

Outdoor motion detector, 180°, Niko Home Control, 16 m, with orientable lens

This motion detector is suitable for use on driveways, on outdoor patios, in garden areas or in garages. The detector is equipped with an integrated light sensor. The sensor can be rotated horizontally within a 25° angle to modify the direction of detection. If you do not want the motion detector to detect any motion within a certain section of the detection area, you cover the sensor lens using the cover cap supplied. Niko Home Control supplies power to the motion detector. No additional power supply is required.

- Input voltage: 26 Vdc (SELV, safety extra-low voltage)
- Detection angle: 180 °
- Detection range (PIR): up to 16 m in diameter from a height of 3 m
- Switch-off delay: 8 s – 30 m

- Protection degree: IP54
- Mounting height: 2.5 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +45 °C

COMPLETE UNIT

	550-20200	Pieces: 1	Detector, white

ACCESSORY

	390-20050	Pieces: 1	Ceiling mounting bracket

Flush surround plates to be ordered separately.
Product drawings purely illustrative.

Outdoor motion detector, 180°, Niko Home Control, 13 m, with orientable lens, black

This motion detector is suitable for use on driveways, on outdoor patios, in garden areas or in garages. The detector is equipped with an integrated light sensor. The sensor can be rotated horizontally within a 25° angle to modify the direction of detection. If you do not want the motion detector to detect any motion within a certain section of the detection area, you cover the sensor lens using the cover cap supplied. Niko Home Control supplies power to the motion detector. No additional power supply is required.

- Input voltage: 26 Vdc (SELV, safety extra-low voltage)
- Detection angle: 180 °
- Detection range (PIR): up to 13 m in diameter from a height of 3 m
- Switch-off delay: 8 s – 30 m

- Protection degree: IP54
- Mounting height: 2.5 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +45 °C

COMPLETE UNIT

550-20201	Pieces: 1	Detector, black

ACCESSORY

390-20150	Pieces: 10	Ceiling mounting bracket, black

24 V

In this chapter:

- motion detectors
- light sensor
- twilight switch

	Article number	Description
	350-20011	Motion detector, 90°, 24 V, 6 m
	350-30010	Motion detector, 90°, 24 V DC, 0.5 - 15 m, light sensor
	350-41279	Motion detector, 90°, 24 V, 22 m
	350-41549	Motion detector, 360°, 24 V, 8 m, for surface mounting
	350-10012	Light sensor, IP54, 3 - 60 klux
	350-10032	Twilight switch, 24 V, one channel (4 A)

Master/Secondary	Protection degree	Number of channels / Number of zones	Detection angle	Mounting height	Detection range Ceiling: at a height of 3 m Outdoor: at a height of 2.5 m Wall: at a height of 1.2 m	Commissioning method	Page
-	IP20	-	90°	2-8 m	6 m	On the device	5.G-1
-	IP20	-	90°	2-3 m	22 m	On the device	5.G-1
-	IP20	-	90°	2-3 m	22 m	On the device	5.G-2
-	IP20	-	360°	2.5-4 m	8 m	On the device	5.G-2
-	IP54	-	90°	-	-	On the device	5.G-2
-	IP54	1 ch	-	-	-	On the device	5.G-3

Motion detector, 90°, 24 V, 6 m

Motion detector suitable for motion detection in warehouses. To be used in combination with a daylight control module (360-35010) for lighting control. At a maximum mounting height of 8 m, the detection area covers a surface of 16 x 1 m (LxW). For outdoor applications, use the IP54 protection cap (390-20010). This protection cap needs to be ordered separately.

- Input voltage: 24 Vdc ± 10 %
- Number of channels: 1 channel
- Relay contact 1: on/off (NPN transistor)
- Detection angle: 90 °
- Detection range (PIR): up to 6 m from a height of 3 m

- Protection degree: IP20
- Mounting height: 2.5 – 8 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +50 °C
- Maximum power consumption: 5 mA

COMPLETE UNIT

| | 350-20011 | Pieces: 1 | Detector |

ACCESSORY

| | 390-20010 | Pieces: 10 | IP54 protection cap |

ACCESSORY

| | 390-20000 | Pieces: 1 | Vandalproof protection cap, wall mounting |

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

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

- Input voltage: 24 Vdc ± 10 %
- Number of channels: 1 channel
- Detection angle: 90 °
- Detection range (PIR): up to 15 m from a height of 2.5 m

- Protection degree: IP20
- Mounting height: 2 – 3 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +50 °C

COMPLETE UNIT

| | 350-30010 | Pieces: 1 | Detector |

ACCESSORY

| | 390-20010 | Pieces: 10 | IP54 protection cap |

ACCESSORY

| | 390-20000 | Pieces: 1 | Vandalproof protection cap, wall mounting |

Motion detector, 90°, 24 V, 22 m

90° motion detector, 24 V, with a potential-free contact for mounting on walls and ceilings. The detector is durable, functional and compact. The motion detector has a built-in walking test and adjustable sensitivity (5 levels) and can be combined with Niko Home Control. To be used in combination with the digital potential-free sensor module (550-00210). For use in small offices, storage areas, corridors, conference rooms … The motion detector is suitable for the control of HVAC, ventilation, building management systems, Niko Home Control … The switch-off delay of the potential-free relay and the sensitivity of the detector can be set on the device. Also suitable for outdoor applications. In this case a protective cover (to be ordered separately) is used to make the motion detector splashproof (protection degree IP54).

- Input voltage: 24 Vac/Vdc ± 10 %
- Maximum power consumption: <18 mA
- Number of channels: 1 channel
- Detection angle: 90 °
- Detection range (PIR): circle, 22 m

- Switch-off delay: 2 s – 30 m
- Protection degree: IP20
- Mounting height: 3 m
- Mounting method: surface-mounting
- Ambient temperature: -20 – +50 °C

COMPLETE UNIT

| | 350-41279 | Pieces: 1 | Detector |

ACCESSORY

| | 390-20010 | Pieces: 10 | IP54 protection cap |

ACCESSORY

| | 390-20000 | Pieces: 1 | Vandalproof protection cap, wall mounting |

Motion detector, 360°, 24 V, 8 m, for surface mounting

The motion detector has a limited diameter (80 mm) and thickness (3 cm) and an adjustable sensitivity (4 levels). For use in small offices, storage areas, corridors, conference rooms, … The detector is suitable for the control of ventilation, building management systems, Niko Home Control .. To be used in combination with the digital potential-free sensor module (550-00210). It is possible to set both the switch-off delay of the potential-free relay and the sensitivity of the detector on the device using the DIP switches.

- Dimensions (HxWxD): 80 x 80 x 30.6 mm
- Input voltage: 24 Vac/Vdc ± 10 %
- Relay contact : NO. 0.2 A/max 48 V
- Relay contact 1: NO (max. 48 V/0.2 A), potential-free
- Number of channels: 1 channel
- Detection angle: 360°

- Detection range (PIR): up to 8 m in diameter from a height of 3 m
- Switch-off delay: 5 s, 30 s – 1 h
- Protection degree: IP20
- Mounting height: 2.5 – 4 m
- Mounting method: surface-mounting
- Ambient temperature: -5 – +50 °C

COMPLETE UNIT

| | 350-41549 | Pieces: 1 | Detector |

Light sensor, IP54, 3 - 60 klux

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

- Dimensions (HxWxD): 52 x 52 x 34,5 mm
- Input voltage: 24 Vdc ± 10 %
- Number of channels: 1 channel
- Light intensity range: 3 lux – 60000 lux

- Protection degree: IP54
- Mounting method: surface-mounting
- Ambient temperature: -40 – +50 °C

COMPLETE UNIT

| | 350-10012 | Pieces: 10 | Detector |

5.A
5.B
5.C
5.D
5.E
5.F
5.G

Twilight switch, 24 V, one channel (4 A)

Twilight switch for outdoor wall mounting (IP54), suitable for switching outdoor lighting. Light sensitivity adjustable from 2 to 200 lux. Large sensor surface for accurate light measuring. In conformity with the European directive for EMC and safety EN60669-2-1.

- Input voltage: 24 Vac/Vdc ± 10 %
- Number of channels: 1 channel
- Relay contact 1: NO (max. μ4 A), potential-free
- Light intensity range: 2 lux – 200 lux

- Protection degree: IP54
- Mounting method: surface-mounting
- Ambient temperature: -50 – +50 °C

COMPLETE UNIT

350-10032   Pieces: 5   Twilight switch

Product overview detectors

niko

Content

Niko, comfort and quality in every home and work environment

In a world where everything is speeding up, your clients increasingly require a higher comfort level. Both in their work and living environment. With Niko, you can integrate limitless comfort into any living space.

After all, Niko designs and produces progressive solutions for electrical switching material, lighting control, home automation and access control. Both private and professional customers worldwide choose Niko's quality solutions because of their ease of installation, ease of use and design.

We're not only refreshing our products, we're also refreshing their technology. Our emphasis? It's on easy installation and programming. And naturally on quality and design.

In the catalogue, you can recognize the new products by their label **NEW** . Register at **www.niko.eu** for our newsletter to stay up-to-date about our newest products.

You don't find here what you are looking for? The most recent information can be found at any time at **www.niko.eu**.

We offer you 4 years warranty, while only 2 years are required by European law. The warranty period for all our products is 4 years from the delivery date. The invoice date is the delivery date. If ever the Niko hardware does not work - even though we have stringent quality controls – our customer service department is ready to help you at **+ 32 3 778 90 80** or via **support.be@niko.eu**.

4 **year** **warranty**

230 V outdoor

Reference number	Description
7520	Twilight switch, 230 V, 5 lux – 1000 lux, IP55

Master/Secondary	Protection degree	Number of channels/ number of zones	Detection angle	Mounting height	Detection range	Commissioning method 1	Commissioning method 2	Commissioning method 3	Page
-	IP55	1 channel	-	-	-	On the device			8

Article number	Description
7520	**Twilight switch, 230 V, 5 lux – 1000 lux, IP55**

N.O. (max. 4.35 A)   5 lux – 1000 lux   IP55

The built-in light sensor measures the brightness of the surroundings. The light is automatically switched on below a programmable brightness threshold. A timer can be set for the light to be switched off (2 to 8 h), or the light can stay on permanently as long as the brightness threshold is not reached (D–D).

230 V motion

Reference number	Description
25100	Motion detector, 230 V, 10 m, 180°, IP44, wall detector, for flush-mounting box
25480	Motion detector, 230 V, 7 m, IP44, mini, for flush mounting
25341	Motion detector, 230 V, 14 m, round, for flush-mounting box
25342	Motion detector, 230 V, 14 m, round, for flush-mounting box
25000	Motion detector, 230 V, 14 m, square, for flush-mounting box
25471	Motion detector, 230 V, 8 m, IP54, for flush-mounting box
25478	Motion detector, 230 V, master, 12 m, IP54, mini, for flush mounting
25476	Motion detector, 230 V, master, 12 m, IP54, mini, for flush mounting
25290D	Motion detector, 230 V, 10 m, 180°, wall detector, for flush-mounting box
25230	Motion detector, 230 V, 10 m, 180°, IP55, wall detector, for flush-mounting box
25231	Motion detector, 230 V, 10 m, 180°, IP55, wall detector, for flush-mounting box
25232	Motion detector, 230 V, 10 m, 180°, IP55, wall detector, for flush-mounting box
25236	Motion detector, 230 V, 10 m, 180°, IP55, for surface mounting
25491	Motion detector, 230 V, 10 m, 180°, IP44, mini, for flush mounting
3327	Motion detector, 230 V, 12 m, IP44, for surface mounting
3321	Motion detector, acoustics, 230 V, 8 m, for surface mounting
3322	Motion detector, acoustics, 230 V, 20 m, for flush-mounting box
3220	Motion detector, 230 V, 8 m, 180°, wall detector, for flush-mounting box

Master/Secondary	Protection degree	Number of channels/ number of zones	Detection angle	Mounting height	Detection range	Commissioning method 1	Commissioning method 2	Commissioning method 3	Page
-	IP44	1 channel	180°	1 – 3 m	10 m	On the device	Remote control	App + Universal RC	8
-	IP44	1 channel	360°	2 – 5 m	ø 7 m	Remote control	App + Universal RC		8
-	IP20	1 channel	360°	2 – 6 m	ø 14 m	On the device	Remote control	App + Universal RC	8
-	IP20	1 channel	360°	2 – 6 m	ø 14 m	On the device	Remote control	App + Universal RC	8
-	IP20	1 channel	360°	2 – 6 m	ø 14 m	On the device	Remote control	App + Universal RC	8
-	IP54	1 channel	360°	2 – 5 m	ø 8 m	Remote control	App + Universal RC		8
Master	IP54	1 channel	360°	2 – 5 m	ø 12 m	Remote control	App + Universal RC		9
Master	IP54	1 channel	360°	2 – 5 m	ø 12 m	Remote control	App + Universal RC		9
-	IP20	1 channel	180°	1 – 3 m	10 m	On the device	Remote control	App + Universal RC	9
-	IP55	1 channel	180°	1 – 3 m	10 m	On the device	Remote control	App + Universal RC	9
-	IP55	1 channel	180°	1 – 3 m	10 m	On the device	Remote control	App + Universal RC	9
-	IP55	1 channel	180°	1 – 3 m	10 m	On the device	Remote control	App + Universal RC	9
-	IP55	1 channel	180°	1 – 3 m	10 m	On the device	Remote control	App + Universal RC	10
-	IP44	1 channel	180°	1 – 2.5 m	10 m	Remote control	App + Universal RC		10
-	IP44	1 channel	360°	2 – 4 m	ø 12 m	On the device			10
-	IP20	1 channel	360°	2 – 4 m	ø 8 m	On the device			10
-	IP20	1 channel	360°	2 – 4 m	ø 20 m	On the device			10
-	IP20	1 channel	180°	1 – 1.5 m	8 m	On the device			10

Consult the most recent information on **www.niko.eu**

Article number	Description
25100	**Motion detector, 230 V, 10 m, 180°, IP44, wall detector, for flush-mounting box, white**

STAND-ALONE

N.O. (max. 10 A) — PIR: 10 m from a height of 3 m — 1 – 3 m — flush-mounting box

Wall-mounted motion detector from 1.0 to 3.0 m. Possible thanks to its horizontal and vertical detection range. With screwed cover, ideal for public buildings. External switch (ON).
Finishing colour: white

| **25480** | **Motion detector, 230 V, 7 m, IP44, mini, for flush mounting, white** |

STAND-ALONE

N.O. (max. 10 A) — PIR: ø 7 m from a height of 3 m — 2 – 5 m — flush-mounting

Motion detector with minimal space requirement, very small dimensions and remote electronics. Configuration only with PIR remote control or app and universal remote control. External switch (ON).
Finishing colour: white

| **25341** | **Motion detector, 230 V, 14 m, round, for flush-mounting box, black** |

STAND-ALONE

N.O. (max. 10 A) — PIR: ø 14 m from a height of 3 m — 2 – 6 m — flush-mounting box

Motion detector with strong detection, for universal use thanks to versatile accessories, external switch (ON). Ideal for passageways.
Finishing colour: black

| **25342** | **Motion detector, 230 V, 14 m, round, for flush-mounting box, alu** |

STAND-ALONE

N.O. (max. 10 A) — PIR: ø 14 m from a height of 3 m — 2 – 6 m — flush-mounting box

Motion detector with strong detection, for universal use thanks to versatile accessories, external switch (ON). Ideal for passageways.
Finishing colour: alu

| **25000** | **Motion detector, 230 V, 14 m, square, for flush-mounting box, white** |

STAND-ALONE

N.O. (max. 10 A) — PIR: ø 14 m from a height of 3 m — 2 – 6 m — flush-mounting box

Motion detector with strong detection, for universal use thanks to versatile accessories, external switch (ON). Ideal for passageways,
Finishing colour: white

| **25471** | **Motion detector, 230 V, 8 m, IP54, for flush-mounting box, white** |

STAND-ALONE

N.O. (max. 10 A) — PIR: ø 8 m from a height of 4 m — 2 – 5 m — flush-mounting box

Detector with a flat design, a variable detection range and an external switch input. Mounting in flush-mounting box. Configuration only with PIR remote control or app and universal remote control. External switch (ON).
Finishing colour: white

Article number	Description
25478	**Motion detector, 230 V, master, 12 m, IP54, mini, for flush mounting, white**

MASTER
N.O. (max. 10 A)   PIR: ø 12 m from a height of 3 m   2 – 5 m   flush-mounting

Motion detector with super flat design and external switch input. Ideal for mounting in profile rails or wet rooms. Configuration only with PIR remote control or app and universal remote control. External switch (ON).
Finishing colour: white

| 25476 | **Motion detector, 230 V, master, 12 m, IP54, mini, for flush mounting, black** |

MASTER
N.O. (max. 10 A)   PIR: ø 12 m from a height of 3 m   2 – 5 m   flush-mounting

Motion detector with super flat design and external switch input. Ideal for mounting in profile rails or wet rooms. Configuration only with PIR remote control or app and universal remote control. External switch (ON).
Finishing colour: black

| 25290D | **Motion detector, 230 V, 10 m, 180°, wall detector, for flush-mounting box, white** |

STAND-ALONE
N.O. (max. 10 A)   PIR: 10 m from a height of 3 m   1 – 3 m   flush-mounting box

Wall-mounted motion detector from 1.0 to 3.0 m. Possible thanks to its horizontal and vertical detection range. Ideal for stairwells, corridors, basements, garages, etc. External switch (ON).
Finishing colour: white

| 25230 | **Motion detector, 230 V, 10 m, 180°, IP55, wall detector, for flush-mounting box, white** |

STAND-ALONE
N.O. (max. 10 A)   PIR: 10 m from a height of 3 m   1 – 3 m   flush-mounting box

Motion detector with increased splash protection for wall mounting from 1.0 to 3.0 m, possible thanks to its horizontal and vertical detection range. Ideal for wet rooms and outdoor use. External switch (ON).
Finishing colour: white

| 25231 | **Motion detector, 230 V, 10 m, 180°, IP55, wall detector, for flush-mounting box, black** |
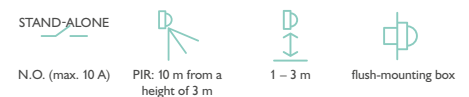
STAND-ALONE
N.O. (max. 10 A)   PIR: 10 m from a height of 3 m   1 – 3 m   flush-mounting box

Motion detector with increased splash protection for wall mounting from 1.0 to 3.0 m, possible thanks to its horizontal and vertical detection range. Ideal for wet rooms and outdoor use. External switch (ON).
Finishing colour: black

| 25232 | **Motion detector, 230 V, 10 m, 180°, IP55, wall detector, for flush-mounting box, grey** |
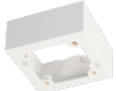
STAND-ALONE
N.O. (max. 10 A)   PIR: 10 m from a height of 3 m   1 – 3 m   flush-mounting box

Motion detector with increased splash protection for wall mounting from 1.0 to 3.0 m, possible thanks to its horizontal and vertical detection range. Ideal for wet rooms and outdoor use. External switch (ON).
Finishing colour: grey

Consult the most recent information on **www.niko.eu**

Article number	Description
25236	**Motion detector, 230 V, 10 m, 180°, IP55, for surface mounting, black**

STAND-ALONE N.O. (max. 10 A)   PIR: 10 m from a height of 3 m   1 – 3 m   surface mounting

Motion detector with increased splash protection for wall mounting from 1.0 to 3.0 m, possible thanks to its horizontal and vertical detection range. Ideal for wet rooms and outdoor use. External switch (ON).
Finishing colour: black

| 25491 | **Motion detector, 230 V, 10 m, 180°, IP44, mini, for flush mounting, black** |

STAND-ALONE N.O. (max. 10 A)   PIR: 10 m from a height of 2.5 m   1 – 2.5 m

Motion detector for installation with minimal space requirement, very small dimensions and remote electronics. Configuration only with PIR remote control or app. External switch (ON).
Finishing colour: black

| 3327 | **Motion detector, 230 V, 12 m, IP44, for surface mounting, white** |

STAND-ALONE N.O. (max. 4.35 A)   PIR: ø 12 m from a height of 3 m   2 – 4 m   surface mounting

Economical motion detector for simple applications.
Finishing colour: white

| 3321 | **Motion detector, acoustics, 230 V, 8 m, for surface mounting, white** |

STAND-ALONE N.O. (max. 4.35 A)   PIR: ø 8 m from a height of 3 m   2 – 4 m   surface mounting

Dual-technology motion detector (PIR and acoustic). Ideal for toilets, changing rooms, etc.
Finishing colour: white

| 3322 | **Motion detector, acoustics, 230 V, 20 m, for flush-mounting box, white** |

STAND-ALONE N.O. (max. 4.35 A)   PIR: ø 20 m from a height of 3 m   2 – 4 m   flush-mounting box

Dual-technology motion detector (PIR and acoustic) with broad detection range. Ideal for toilets, changing rooms, etc. External switch (ON).
Finishing colour: white

| 3220 | **Motion detector, 230 V, 8 m, 180°, wall detector, for flush-mounting box, white** |

STAND-ALONE N.O. (max. 4.35 A)   PIR: 8 m from a height of 1.1 m   1 – 1.5 m   flush-mounting box

Economical motion detector for simple applications. The lighting can be manually controlled with the built-in switch (slide switch).
Finishing colour: white

Accessories

Article number	Description
25276	**Flush-mounting 360 housing RA, IP55, 16 m, round, white** High-quality synthetic housing, splash protection. Finishing colour: white Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25273	**Surface-mounting box, IP55, white** Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25274	**Surface-mounting box, IP55, black** Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25421	**Frame for surface mounting RA, IP44, round, white** Surface-mounting synthetic frame, splash protection. Finishing colour: white Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25330	**Deco ring, white** Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-25469, 351-26004
25264	**Surface-mounting 360 housing RA, IP55, 30 m, round, white** High-quality synthetic housing, splash protection. Finishing colour: white Compatible articles: 351-25065, 351-25467, 351-25469, 351-26002
25267	**Flush-mounting 360 housing RA, IP55, 30 m, round, white** High-quality synthetic housing, splash protection. Finishing colour: white Compatible articles: 351-25065, 351-25467, 351-25469, 351-26002
25335	**Cover plate RA, 30 m, round, white** Compatible articles: 351-25065, 351-25459, 351-25467, 351-25469, 351-26002
25400	**Flush surround plate for surface mounting, square, white** Compatible articles: 351-25451, 351-26001, 351-26003
25411	**Flush mounting box with spring clips** Compatible articles: 351-25065, 351-25340, 351-25451, 351-25457, 351-25459, 351-25463, 351-25467, 351-25469, 351-26001, 351-26002, 351-26003, 351-26004

Consult the most recent
information on **www.niko.eu**

Article number	Description
25323	**Universal remote control with lux meter**
	In combination with the universal remote control, detectors can easily be configured through the app. All values and detector functions of all detectors can be controlled easily and quickly from a smartphone or tablet and adjusted to the circumstances on site. Compatible articles: 350-20072, 350-20082, 350-41657, 350-41750, 350-41751, 350-41753, 350-41761, 351-25050, 351-25065, 351-25340, 351-25451, 351-25457, 351-25463, 351-25467, 351-25475, 351-25480, 351-26001, 351-26002, 351-26003, 351-26004, 351-26450, 351-26470, 351-26480, 351-26560, 351-26562, 351-26570, 351-26572
25013	**Flush-mounting box kit DA, white**
	Flush-mounting box kit for ceilings. Finishing colour: white
25270UP	**Set for flush mounting, IP55, white**

230 V presence

Reference number	Description
41721	Presence detector, 230 V, master, 2 channels, 24 m, IP54, for surface mounting
25474	Presence detector, dual tech, PIR+HF, 230 V, master, 40 m / 12 m, IP54, for flush mounting
25452	Presence detector, 230 V, master, 14 m, IP44, for surface mounting
25453	Presence detector, 230 V, secondary, 14 m, IP44, for surface mounting
25170	Presence detector, 230 V, 14 m, for flush mounting
25210D	Presence detector, 230 V, 10 m, 180°, wall detector, for flush-mounting box
25395D	Presence detector, 230 V, 10 m, 180°, with integrated switch, Max, wall detector, for flush-mounting box

Master/Secondary	Protection degree	Number of channels/ number of zones	Detection angle	Mounting height	Detection range	Commissioning method 1	Commissioning method 2	Commissioning method 3	Page
Master	IP54	2 channels	360°	2 – 3.4 m	ø 24 m	On the device	Remote control	App + Universal RC	18
Master	IP54	1 channel	360°	2 – 4 m	ø 40 m (HF: ø 12 m)	On the device	Remote control	App + Universal RC	18
Master	IP44	1 channel	360°	2 – 6 m	ø 14 m	On the device	Remote control	App + Universal RC	18
Secondary	IP44	-	360°	2 – 6 m	ø 14 m	On the device			18
-	IP20	1 channel	360°	2 – 6 m	ø 14 m	On the device	Remote control	App + Universal RC	18
-	IP20	1 channel	180°	1 – 3 m	10 m	On the device	Remote control	App + Universal RC	18
-	IP20	1 channel	180°	1 – 3 m	10 m	On the device	Remote control	App + Universal RC	19

Article number	Description
41721	**Presence detector, 230 V, master, 2 channels, 24 m, IP54, for surface mounting, white**

MASTER
2 x N.O. (max. 10 A), potential-free
PIR: ø 24 m from a height of 3 m
2 – 3.4 m
surface mounting
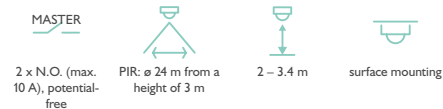
Master presence detector with increased detection range, 2x external switch input, full and semi-automatic mode, two potential-free switch outputs to switch 2 conventional lighting strips or 1x lighting plus 1x HVAC. The lux level (lux) can be freely chosen for each channel (lighting or HVAC). Range extension with up to 10 secondary detectors.
Finishing colour: white

| **25474** | **Presence detector, dual tech, PIR+HF, 230 V, master, 40 m / 12 m, IP54, for flush mounting, white** |

MASTER
N.O. (max. 10 A), potential-free
PIR: ø 40 m from a height of 3 m HF: ø 12 m from a height of 3 m
2 – 4 m
flush-mounting
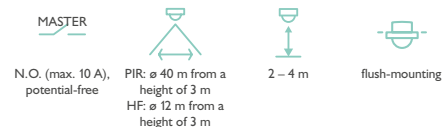
Dual-technology master presence detector (HF and PIR). Detection behaviour can be chosen by means of five different logical combinations of PIR and HF. Thanks to the innovative combination of HF and PIR technology, the sensitivity can be optimally adjusted to the specific situation. External switch input, full and semi-automatic mode, potential-free switch output. Range extension with a maximum of 10 secondary detectors.
Finishing colour: white

| **25452** | **Presence detector, 230 V, master, 14 m, IP44, for surface mounting, white** |

MASTER
N.O. (max. 8.7 A)
PIR: ø 14 m from a height of 3 m
2 – 6 m
surface mounting
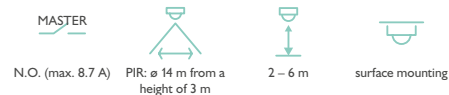
Master presence detector with external switch input as well as full and semi-automatic mode. For surface mounting/ceiling mounting with increased splash protection.
Finishing colour: white

| **25453** | **Presence detector, 230 V, secondary, 14 m, IP44, for surface mounting, white** |

SECONDARY
PIR: ø 14 m from a height of 3 m
2 – 6 m
surface mounting

Secondary presence detector for range extension of master ceiling and wall detectors. For surface mounting/ceiling mounting with increased splash protection.
Finishing colour: white

| **25170** | **Presence detector, 230 V, 14 m, for flush mounting, white** |

STAND-ALONE
N.O. (max. 10 A)
PIR: ø 14 m from a height of 3 m
2 – 6 m
flush-mounting

Presence detector with flat, modern design for suspended ceilings. Mounted with spring clips. External switch (ON).
Finishing colour: white

| **25210D** | **Presence detector, 230 V, 10 m, 180°, wall detector, for flush-mounting box, white** |

STAND-ALONE
N.O. (max. 10 A)
PIR: 10 m from a height of 3 m
1 – 3 m
flush-mounting box

Presence detector for lounge areas and offices as well as stairwells, external switch only to switch on. Wall mounting from 1.0–3.0 m, possible thanks to 3 PIR sensors (elimination of creeping zones).
Finishing colour: white

Article number	Description
25395D	**Presence detector, 230 V, 10 m, 180°, with integrated switch, Max, wall detector, for flush-mounting box, white**

STAND-ALONE

N.O. (max. 8.7 A) PIR: 10 m from a height of 3 m 1 – 3 m flush-mounting box

Presence detector with invisible screw attachment, especially suitable for public areas. Wall mounting from 1 to 3 m possible thanks to its horizontal and vertical detection range.
Finishing colour: white

Accessories

Article number	Description
25323	**Universal remote control with lux meter**

In combination with the universal remote control, detectors can easily be configured through the app. All values and detector functions of all detectors can be controlled easily and quickly from a smartphone or tablet and adjusted to the circumstances on site.
Compatible articles: 350-20072, 350-20082, 350-41657, 350-41750, 350-41751, 350-41753, 350-41761, 351-25050, 351-25065, 351-25340, 351-25451, 351-25457, 351-25463, 351-25467, 351-25475, 351-25480, 351-26001, 351-26002, 351-26003, 351-26004, 351-26450, 351-26470, 351-26480, 351-26560, 351-26562, 351-26570, 351-26572

| **25400** | **Flush surround plate for surface mounting, square, white** |

Compatible articles: 351-25451, 351-26001, 351-26003

| **25411** | **Flush mounting box with spring clips** |

Compatible articles: 351-25065, 351-25340, 351-25451, 351-25457, 351-25459, 351-25463, 351-25467, 351-25469, 351-26001, 351-26002, 351-26003, 351-26004

| **25264** | **Surface-mounting 360 housing RA, IP55, 30 m, round, white** |

High-quality synthetic housing, splash protection.
Finishing colour: white
Compatible articles: 351-25065, 351-25467, 351-25469, 351-26002

| **25267** | **Flush-mounting 360 housing RA, IP55, 30 m, round, white** |

High-quality synthetic housing, splash protection.
Finishing colour: white
Compatible articles: 351-25065, 351-25467, 351-25469, 351-26002

| **25335** | **Cover plate RA, 30 m, round, white** |

Compatible articles: 351-25065, 351-25459, 351-25467, 351-25469, 351-26002

| **25421** | **Frame for surface mounting RA, IP44, round, white** |

Surface-mounting synthetic frame, splash protection.
Finishing colour: white
Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004

Consult the most recent information on www.niko.eu

Article number	Description
25276	**Flush-mounting 360 housing RA, IP55, 16 m, round, white** High-quality synthetic housing, splash protection. Finishing colour: white Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25273	**Surface-mounting box, IP55, white** Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25274	**Surface-mounting box, IP55, black** Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25330	**Deco ring, white** Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-25469, 351-26004
25270UP	**Set for flush mounting, IP55, white**

DALI

Reference number	Description
26002	Presence detector, DALI, master, 30 m, round, for flush-mounting box
26003	Presence detector, DALI, master, 14 m, square, for flush-mounting box
26004	Presence detector, DALI, master, 14 m, round, for flush-mounting box
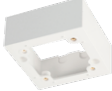
Master/Secondary	Protection degree	Number of channels/number of zones	Detection angle	Mounting height	Detection range	Commissioning method 1	Commissioning method 2	Commissioning method 3	Page
Master	IP20	1 zone	360°	2 – 8 m	ø 30 m	On the device	Remote control	App + Universal RC	26
Master	IP20	1 zone	360°	2 – 6 m	ø 14 m	On the device	Remote control	App + Universal RC	26
Master	IP20	1 zone	360°	2 – 6 m	ø 14 m	On the device	Remote control	App + Universal RC	26

Consult the most recent
information on **www.niko.eu**

	Article number	Description
	26002	**Presence detector, DALI, master, 30 m, round, for flush-mounting box, white**

MASTER 1   PIR: ø 30 m from a height of 8 m   2 – 8 m   flush-mounting box

Master presence detector with increased range for DALI systems (broadcast). daylight control for 1 zone. Easy to start up via app, remote control or controller. Max. 10 secondary detectors are wired by means of a control cable.
Finishing colour: white

	26003	**Presence detector, DALI, master, 14 m, square, for flush-mounting box, white**

MASTER 1   PIR: ø 14 m from a height of 3 m   2 – 6 m   flush-mounting box

Master presence detector for DALI systems (broadcast). daylight control for 1 zone. Easy to start up via app, remote control or controller. Max. 10 secondary detectors are wired by means of a control cable.
Finishing colour: white

	26004	**Presence detector, DALI, master, 14 m, round, for flush-mounting box, white**

MASTER 1   PIR: ø 14 m from a height of 3 m   2 – 6 m   flush-mounting box

Master presence detector for DALI systems (broadcast). daylight control for 1 zone. Easy to start up via app, remote control or controller. Max. 10 secondary detectors are wired by means of a control cable.
Finishing colour: white

Accessories

	Article number	Description
	25323	**Universal remote control with lux meter**

In combination with the universal remote control, detectors can easily be configured through the app. All values and detector functions of all detectors can be controlled easily and quickly from a smartphone or tablet and adjusted to the circumstances on site.
Compatible articles: 350-20072, 350-20082, 350-41657, 350-41750, 350-41751, 350-41753, 350-41761, 351-25050, 351-25065, 351-25340, 351-25451, 351-25457, 351-25463, 351-25467, 351-25475, 351-25480, 351-26001, 351-26002, 351-26003, 351-26004, 351-26450, 351-26470, 351-26480, 351-26560, 351-26562, 351-26570, 351-26572

	25351	**PIR DALI remote control**

Compatible articles: 351-26001, 351-26002, 351-26003, 351-26004

	25264	**Surface-mounting 360 housing RA, IP55, 30 m, round, white**

High-quality synthetic housing, splash protection.
Finishing colour: white
Compatible articles: 351-25065, 351-25467, 351-25469, 351-26002

	25267	**Flush-mounting 360 housing RA, IP55, 30 m, round, white**

High-quality synthetic housing, splash protection.
Finishing colour: white
Compatible articles: 351-25065, 351-25467, 351-25469, 351-26002

Article number	Description
25335	**Cover plate RA, 30 m, round, white** Compatible articles: 351-25065, 351-25459, 351-25467, 351-25469, 351-26002
25411	**Flush mounting box with spring clips** Compatible articles: 351-25065, 351-25340, 351-25451, 351-25457, 351-25459, 351-25463, 351-25467, 351-25469, 351-26001, 351-26002, 351-26003, 351-26004
25400	**Flush surround plate for surface mounting, square, white** Compatible articles: 351-25451, 351-26001, 351-26003
25273	**Surface-mounting box, IP55, white** Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25274	**Surface-mounting box, IP55, black** Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25330	**Deco ring, white** Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-25469, 351-26004
25276	**Flush-mounting 360 housing RA, IP55, 16 m, round, white** High-quality synthetic housing, splash protection. Finishing colour: white Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25421	**Frame for surface mounting RA, IP44, round, white** Surface-mounting synthetic frame, splash protection. Finishing colour: white Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004

KNX

	Reference number	Description
	25032	Presence detector, KNX, 2 channels, 14 m, for flush-mounting box
	25034	Presence detector, KNX, 2 channels, 14 m, for flush mounting
	25020N	Presence detector, KNX, 16 m, for flush-mounting box
	25010	Motion detector, KNX, 2 channels, 8 m, IP54, for flush mounting
	25240D	Presence detector, KNX, 2 channels, 10 m, 180°, wall detector, for flush-mounting box
	25241	Presence detector, KNX, 2 channels, 10 m, 180°, IP55, wall detector, for flush-mounting box
	25245	Presence detector, KNX, 2 channels, 10 m, 180°, IP55, wall detector, for flush-mounting box
	25242	Presence detector, KNX, 2 channels, 10 m, 180°, IP55, for surface mounting
	25248	Presence detector, KNX, 2 channels, 10 m, 180°, IP55, for surface mounting
	25036	Presence detector, KNX, 2 channels, 26 m, for flush-mounting box

Master/Secondary	Protection degree	Number of channels/ number of zones	Detection angle	Mounting height	Detection range	Commissioning method	Page
Master/Secondary	IP20	2 channels	360°	2 – 6 m	ø 14 m	ETS software	32
Master/Secondary	IP20	2 channels	360°	2 – 6 m	ø 14 m	ETS software	32
-	IP20	1 channel	360°	2 – 10 m	ø 16 m	ETS software	32
Master/Secondary	IP54	2 channels	360°	2 – 5 m	ø 8 m	ETS software	32
Master/Secondary	IP20	2 channels	180°	1 – 2.2 m	10 m	ETS software	32
Master/Secondary	IP55	2 channels	180°	1 – 3 m	10 m	ETS software	33
Master/Secondary	IP55	2 channels	180°	1 – 3 m	10 m	ETS software	33
Master/Secondary	IP55	2 channels	180°	1 – 3 m	10 m	ETS software	33
Master/Secondary	IP55	2 channels	180°	1 – 3 m	10 m	ETS software	33
Master/Secondary	IP20	2 channels	360°	2 – 8 m	ø 26 m	ETS software	33

Consult the most recent
information on www.niko.eu

Article number	Description
25032	**Presence detector, KNX, 2 channels, 14 m, for flush-mounting box, white**

PIR: ø 14 m from a height of 3 m · 2 – 6 m · flush-mounting box

Master-secondary presence detector for universal use thanks to versatile accessories. daylight control for 2 zones, 1 secondary zone (ON/OFF), HVAC, brightness threshold and switch-off delay adjustable during operation, orientation light, full and semi-automatic mode.
Finishing colour: white
Compatible secondary detectors: /

| 25034 | **Presence detector, KNX, 2 channels, 14 m, for flush mounting, white** |

PIR: ø 14 m from a height of 3 m · 2 – 6 m · flush-mounting

Master-secondary presence detector with spring clip adapter for fast mounting in suspended ceilings. Daylight control for 2 zones, 1 secondary zone (ON/OFF), HVAC, brightness threshold and switch-off delay adjustable during operation, orientation light, full and semi-automatic mode.
Finishing colour: white
Compatible secondary detectors: /

| 25020N | **Presence detector, KNX, 16 m, for flush-mounting box, white** |

PIR: ø 16 m from a height of 3 m · 2 – 10 m · flush-mounting box

Presence detector with ground functionality, 1 light channel for daylight control (only KLR version) or 1 light channel for ON/OFF, HVAC, full and semi-automatic mode.
Finishing colour: white

| 25010 | **Motion detector, KNX, 2 channels, 8 m, IP54, for flush mounting, white** |

PIR: ø 8 m from a height of 4 m · 2 – 5 m · flush-mounting

Master-secondary motion detector, ideal for mounting in profile rails or wet rooms. Daylight control for 2 zones, 1 secondary zone (ON/OFF), HVAC, brightness threshold and switch-off delay adjustable during operation, orientation light, full and semi-automatic mode.
Finishing colour: white
Compatible secondary detectors: /

| 25240D | **Presence detector, KNX, 2 channels, 10 m, 180°, wall detector, for flush-mounting box, white** |

PIR: 10 m from a height of 3 m · 1 – 2.2 m · flush-mounting box

Master-secondary presence detector, wall mounting from 1.0 to 3.0 m possible thanks to its horizontal and vertical detection range, daylight control for 2 zones, 1 secondary zone (ON/OFF), HVAC, brightness threshold and switch-off delay adjustable during operation, orientation light, full and semi-automatic mode.
Finishing colour: white
Compatible secondary detectors: /

	Article number	Description
	25241	**Presence detector, KNX, 2 channels, 10 m, 180°, IP55, wall detector, for flush-mounting box, white**

PIR: 10 m from a height of 3 m   1 – 3 m   flush-mounting box

Master-secondary presence detector, wall mounting from 1.0 to 3.0 m possible thanks to its horizontal and vertical detection range, daylight control for 2 zones, 1 secondary zone (ON/OFF), HVAC, brightness threshold and switch-off delay adjustable during operation, orientation light, full and semi-automatic mode.
Finishing colour: white
Compatible secondary detectors: /

	25245	**Presence detector, KNX, 2 channels, 10 m, 180°, IP55, wall detector, for flush-mounting box, black**

PIR: 10 m from a height of 3 m   1 – 3 m   flush-mounting box

Master-secondary presence detector, wall mounting from 1.0 to 3.0 m possible thanks to its horizontal and vertical detection range, daylight control for 2 zones, 1 secondary zone (ON/OFF), HVAC, brightness threshold and switch-off delay adjustable during operation, orientation light, full and semi-automatic mode.
Finishing colour: black
Compatible secondary detectors: /

	25242	**Presence detector, KNX, 2 channels, 10 m, 180°, IP55, for surface mounting, white**

PIR: 10 m from a height of 3 m   1 – 3 m   surface mounting

Master-secondary presence detector, wall mounting from 1.0 to 3.0 m possible thanks to its horizontal and vertical detection range, daylight control for 2 zones, 1 secondary zone (ON/OFF), HVAC, brightness threshold and switch-off delay adjustable during operation, orientation light, full and semi-automatic mode.
Finishing colour: white
Compatible secondary detectors: /

	25248	**Presence detector, KNX, 2 channels, 10 m, 180°, IP55, for surface mounting, black**

PIR: 10 m from a height of 3 m   1 – 3 m   surface mounting

Master-secondary presence detector, wall mounting from 1.0 to 3.0 m possible thanks to its horizontal and vertical detection range, daylight control for 2 zones, 1 secondary zone (ON/OFF), HVAC, brightness threshold and switch-off delay adjustable during operation, orientation light, full and semi-automatic mode.
Finishing colour: black
Compatible secondary detectors: /

	25036	**Presence detector, KNX, 2 channels, 26 m, for flush-mounting box, white**

PIR: ø 26 m from a height of 3 m   2 – 8 m   flush-mounting box

Master-secondary presence detector with increased range for universal use thanks to versatile accessories. Daylight control for 2 zones, 1 secondary zone (ON/OFF), HVAC, brightness threshold and switch-off delay adjustable during operation, orientation light, full and semi-automatic mode.
Finishing colour: white
Compatible secondary detectors: /

Consult the most recent information on www.niko.eu

Accessories

Article number	Description
25276	**Flush-mounting 360 housing RA, IP55, 16 m, round, white** High-quality synthetic housing, splash protection. Finishing colour: white Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25330	**Deco ring, white** Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-25469, 351-26004
25421	**Frame for surface mounting RA, IP44, round, white** Surface-mounting synthetic frame, splash protection. Finishing colour: white Compatible articles: 351-25340, 351-25457, 351-25459, 351-25463, 351-26004
25013	**Flush-mounting box kit DA, white** Flush-mounting box kit for ceilings. Finishing colour: white
25270UP	**Set for flush mounting, IP55, white**
25400	**Flush surround plate for surface mounting, square, white** Compatible articles: 351-25451, 351-26001, 351-26003
25264	**Surface-mounting 360 housing RA, IP55, 30 m, round, white** High-quality synthetic housing, splash protection. Finishing colour: white Compatible articles: 351-25065, 351-25467, 351-25469, 351-26002
25267	**Flush-mounting 360 housing RA, IP55, 30 m, round, white** High-quality synthetic housing, splash protection. Finishing colour: white Compatible articles: 351-25065, 351-25467, 351-25469, 351-26002
25335	**Cover plate RA, 30 m, round, white** Compatible articles: 351-25065, 351-25459, 351-25467, 351-25469, 351-26002
25411	**Flush mounting box with spring clips** Compatible articles: 351-25065, 351-25340, 351-25451, 351-25457, 351-25459, 351-25463, 351-25467, 351-25469, 351-26001, 351-26002, 351-26003, 351-26004

24 V

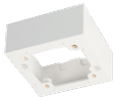| Reference number	Description
25468	Presence detector, 24 V, 14 m, for flush-mounting box

Master/Secondary	Protection degree	Number of channels/ number of zones	Detection angle	Mounting height	Detection range	Commissioning method 1	Commissioning method 2	Commissioning method 3	Page
-	IP20	1 channel	360°	2 – 8 m	ø 14 m	On the device	Remote control	App + Universal RC	40

	Article number	Description
	25468	**Presence detector, 24 V, 14 m, for flush-mounting box, white**

N.O. (max. 5 A), potential-free   PIR: ø 14 m from a height of 3 m   2 – 8 m   flush-mounting box

Presence detector for 24 V supply with potential-free switch contact. For universal use thanks to versatile accessories. Ideal for applications in building automation systems. External switch (ON).
Finishing colour: white

Accessories

	Article number	Description
	25323	**Universal remote control with lux meter**

In combination with the universal remote control, detectors can easily be configured through the app. All values and detector functions of all detectors can be controlled easily and quickly from a smartphone or tablet and adjusted to the circumstances on site. Compatible articles: 350-20072, 350-20082, 350-41657, 350-41750, 350-41751, 350-41753, 350-41761, 351-25050, 351-25065, 351-25340, 351-25451, 351-25457, 351-25463, 351-25467, 351-25475, 351-25480, 351-26001, 351-26002, 351-26003, 351-26004, 351-26450, 351-26470, 351-26480, 351-26560, 351-26562, 351-26570, 351-26572

	Article number	Description
	25400	**Flush surround plate for surface mounting, square, white**

Compatible articles: 351-25451, 351-26001, 351-26003

	Article number	Description
	25411	**Flush mounting box with spring clips**

Compatible articles: 351-25065, 351-25340, 351-25451, 351-25457, 351-25459, 351-25463, 351-25467, 351-25469, 351-26001, 351-26002, 351-26003, 351-26004

Key

		The maximum detection range when correctly installed
		The minimum and maximum mounting height of the detector
		The correct mounting of the detector
		Wall detector
		The detector contains a relay contact
		Light sensitivity
		Waterproof level

Contact us

If you require more information, contact Niko Sales at **sales.be@niko.eu** or **+32 3 778 90 20**.

When you are ready to place your order, send an e-mail to **Expedition_Central@niko.eu**.

Niko designs electr(on)ic solutions to enhance buildings to better suit the needs of the people who live and work in them. By using less energy, by improving light comfort and safety and by making sure all applications work together seamlessly. Buildings with Niko are more efficient, are controllable from a distance and interact within bigger ecosystems. Niko is a Belgian family business from Sint-Niklaas with 700 employees and 10 European branches.

At Niko, there is one question that keeps us busy every day: "How can we enhance buildings to better suit your needs?"

Take your project to the next level with DALI-2 lighting control

DALI-2 certified ceiling detectors - Niko P40 and M40 detector series

niko

DALI-2: The standard protocol for digital lighting control

Building on the long-established benefits of DALI (Digital Addressable Lighting Interface), the DALI-2 product certification by the DALI Alliance brings the promise of **significantly-improved interoperability and additional functionality** including sensing and data gathering.

DALI-2 certification involves **independent verification of test results**. In contrast, DALI version-1 product compliance is based solely on self-declaration.

Source: www.dali-alliance.org

Intelligent lighting control using DALI-2 detectors

Lighting control is more than just turning your lights on and off for energy savings. It's also about improving user comfort while still optimising the energy efficiency, and using the DALI protocol is an easy way to achieve this.

The DALI-2 certified detectors from Niko fully utilise the DALI protocol, making it easy for installers to install lighting control that is both user friendly and energy efficient. This is a strong alternative to installing light control using building management systems, as the installer can do the installation completely independently of external experts, advanced programming, controllers etc. Functionality is built into the DALI detector and commissioning only requires setup with the Niko detector tool app via wireless Bluetooth® communication to the detectors.

One design line for your entire project

Niko's DALI-2 detectors are part of the P40 and M40 series of motion and presence detectors with a discreet, contemporary look and an award-winning design that fits perfectly into any ceiling type in any building. This means you can now use the same design line for all the detectors in your project, including any combination of:

- 230 V detectors
- DALI-2 detectors
- DALI-2 secondary/BMS detectors - for extending the detection area of a DALI-2 master detector or BMS integration
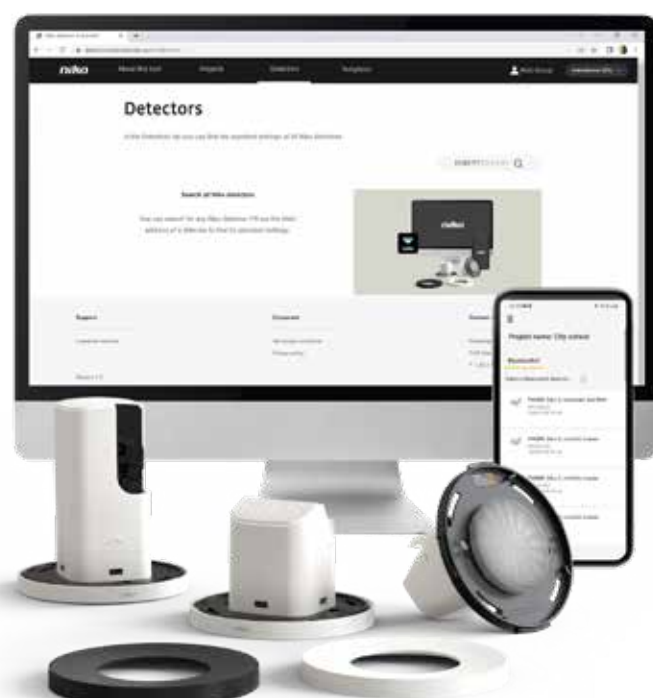
A sense for light control

Solutions that meet the needs of your entire project

The purpose of the brochure is to inspire and guide on how to apply the right functionalities into the lighting control solution you need for your project.

1 | Identify the application - building or room type that match your project
2 | Find and explore applicable the solution and function options

APPLICATION - Building or room type						
Solution & functions with Niko DALI-2 detectors	Schools and educational institutions	Offices and meeting rooms	Hotels, hospitals and nursing homes	Sports halls and arenas	Industrial buildings and warehouses	Go to page
Daylight controlled lighting	●	●	●	●	●	16
Night mode			●			18
Control HVAC	●	●	●	●		20
Minimise standby power consumption	●	●	●	●	●	20
Control lighting in adjacent areas	●	●				22
Folding door solution	●	●	●	●		24
Lighting next to screen/ smart board	●	●	●			26
Tunable white/Human centric lighting	●	●	●		●	28
Light scenes	●	●	●	●	●	30

What you need to know about Niko DALI-2 detectors:

- Introducing Niko DALI-2 detectors with 2-way bluetooth communication: P46, P47, P48..page 6-7
- A sense for easy installation - SnapFit installation and wiring without use of tools..page 8-9
- Smart commission with Niko detector tool app ....page 10-11
- Manage your detectors with the Niko detector portal...page 12-13
- Push-buttons and input devices for your DALI-2 solution..page 14-15

Niko detectors P47 and P48

A powerful line-up: DALI-2 certified detectors
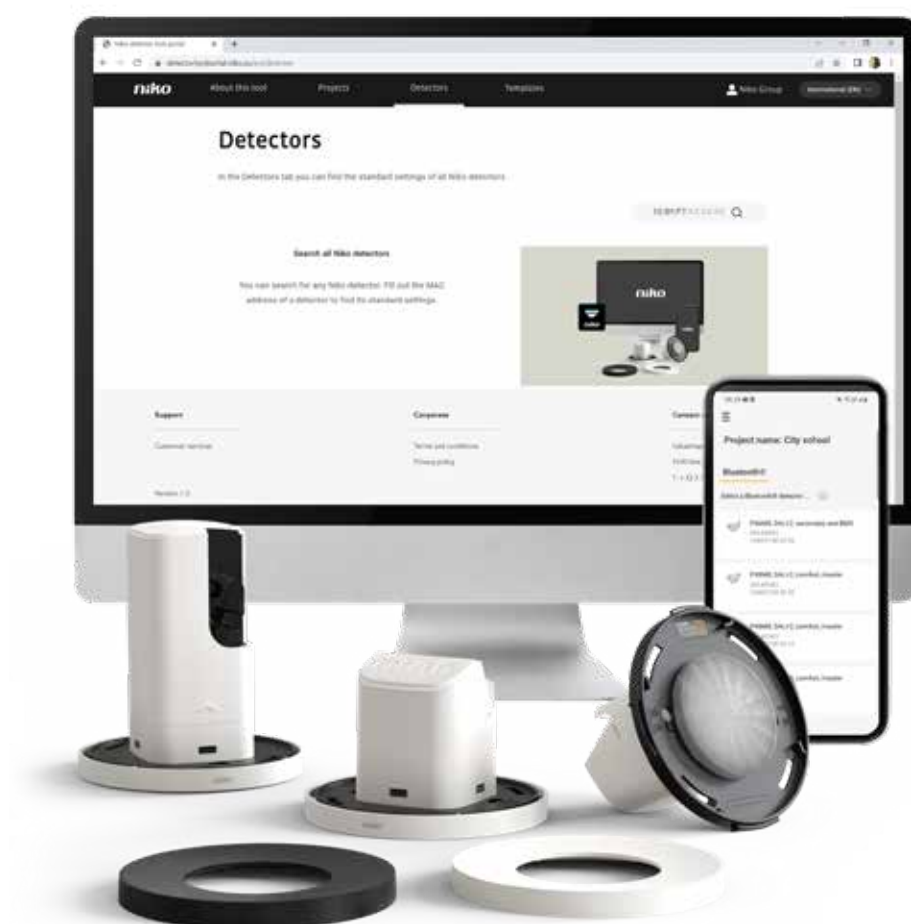
It should be easy to find the right detector for your projects. Niko offers two types of DALI-2 detectors that include many integrated functions:

- **DALI-2 P47**
  Detector for a standard daylight controlled DALI installation.
- **DALI-2 P48**
  Detector with all functions integrated, to meet highly specific requirements for a daylight controlled DALI installation.

One design line

Even though there is a difference in specifications, the design of the detectors is identical. The detectors share the same benefits of easy installation, wiring and smart commissioning using the Niko detector tool app.

DALI-2 detectors for BMS

Our range of detectors also includes DALI-2 BMS detectors designed to be controlled by BMS systems.

The DALI-2 BMS detectors P46 can communicate with BMS systems that comply with the following DALI-2 standards:

- IEC 62386-101
- IEC 62386-103
- IEC 62386-303
- IEC 62386-304

A sense for functionality

Find the DALI-2 detector that matches your project's requirements

Type		DALI-2 P47 presence detectors	DALI-2 P48 presence detectors	DALI-2 P46 Secondary/ BMS presence detectors
INPUT	230 V push-buttons	1	4	
	Free assignment of push-buttons		•	
	Wireless push-button for override of lighting control		•	
	External trigger (activation via external systems)		•	
	Wired secondary	•	•	
	External input devices via DALI bus		•	
FUNCTIONS	Automatic on/off	•	•	
	Semi-automatic on/off (manual on/off + auto off)	•	•	
	Daylight control (dimming - based on daylight)	3 zones	4 zones	
	DALI Broadcast + DALI Addressable	•	•	
	Wireless master-to-master link via Bluetooth®		•	
	Multi-zone - smart board lighting		•	
	Night mode - perfect for corridors		•	
	Fixed light level		•	
	Orientation light	•	•	
	Light scenes - define and control scenes		•	
	Folding door function- Wireless sync of lighting control		•	
	Control light in adjacent areas / corridors		•	
	Tunable white third-party integration	•	•	
	Tunable white dynamic and presets		•	
	Human Centric Lighting (HCL)		•	
	Output relay - control HVAC / standby minimisation / light (on/off)		•	
	External DALI relay for HVAC / standby minimisation		•	
	Event log	•	•	•
	Portal solution for documentation, backup and distribution of configuration files	•	•	•
	Settings and configuration can be locked with a PIN-code	•	•	•
APP	Software update of detector via app	•	•	•
	2-way Bluetooth® communication	•	•	•

A sense for easy installation with SnapFit mounting

Barbs that grab
into the ceiling

Flexible
mounting ring

Inner bracket for up
to 40 mm thick ceilings

Grab to snap on
the detector

Deco ring in
white or black (optional)

13 m detector (flat lens)
37 m detector (curved lens)
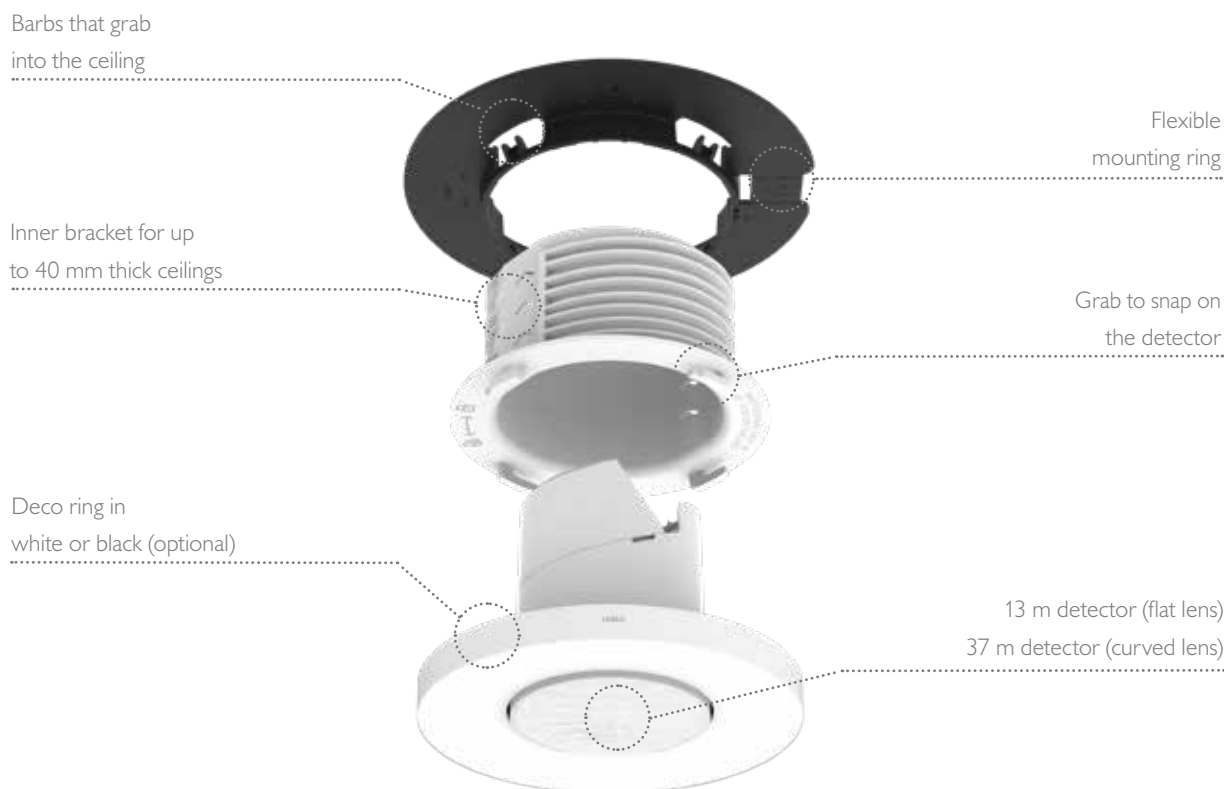
Tool-free stable installation

1. Insert inner bracket

2. Insert detector

3. Snap on deco ring
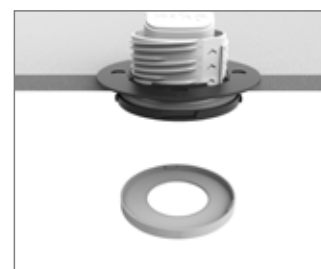
The SnapFit mounting system consists of an inner bracket which is screwed into the mounting ring above the ceiling. The detector is then simply inserted into the SnapFit mounting bracket and snapped on with a twisting action. No tools, screws or spring clips required.

For ceilings without removable tiles, simply screw the mounting ring through the hole.
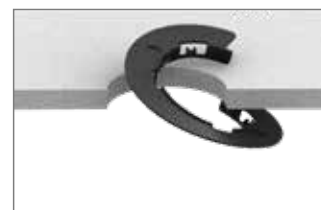
Wiring without the use of tools

Behind the surface of every Niko product, you'll find just as much attention to detail as the front. The same goes for the installer-friendly design of our P40 and M40 detector series. Easy access to plug-in wire connectors means you can install a large number of detectors quickly and easily, without the need for screws or tools. The housing is also designed to allow the cable to be routed sideways: great for ceilings with limited clearance.

A housing cover secures
wire connections

The cover is easily snapped
on without screws or tools

Cable ties for
screwless cable relief

Strip-length
indicator

Space for cables
moulded into the housing

Easy access to angled
plug-in wire connectors

Clear indications
on wire connectors

Release tool

A handy release tool is included in the detector's packaging, which
can be used to release a wire from the wire connector.
It is easier, more convenient and safer than using a screwdriver or other tools.

When using thin stranded wire, the tool can also be used to push the wire into the connector.

Smart commissioning
Connect via Bluetooth® with the user-friendly Niko detector tool app

Even the commissioning of your detectors is designed to be effortless and as automatic as possible. And it all happens wirelessly with the help of the free Niko detector tool app. When you open the app it immediately detects and displays the full list of detectors installed nearby, starting with the one nearest to you. Select the specific detector you wish to configure and the app will guide you through the configuration. You can either choose one of the templates, the last used configuration or a new customised configuration. And the app even works without an internet connection; your settings will automatically upload when you have access to the internet again.

Niko detector tool app

The Niko detector tool app is available for free on the App Store (iOS) or Google Play (Android).

2-way Bluetooth® communication ensures faster configuration

The app and detector communicate with each other wirelessly using 2-way Bluetooth® communication. This means you do not need any other tools or adaptors during the configuration process.

The 2-way Bluetooth® communication gives you instant, detailed information on the current detector settings, so you always have a complete overview in the app. This also saves time during subsequent installation service and maintenance.
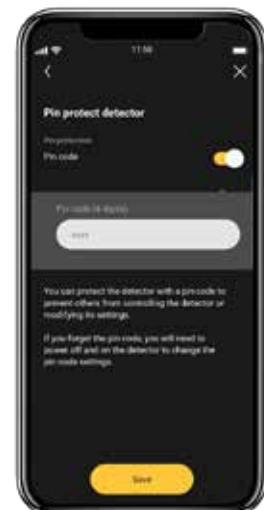
Utilize the cloud solution

All data are stored in the cloud and the detector tool portal, which you can use for documentation, backup and distribution of configuration files.

Lock detector

For security reasons it is possible to lock the detector with a PIN code.

Interface and configuration with the Niko detector tool app

Manage your detectors with the Niko detector tool portal

The Niko detector portal is the online tool that makes managing projects with the P40 and M40 detectors series easier and more efficient. In the portal you can organise detectors and commissioning information in project folders for easy re-use, sharing with colleagues or documentation for your customer. You don't need to register to use the Niko detector tool application. However, by registering for the portal and logging in to the app, you will gain several benefits.

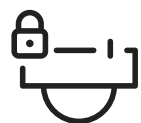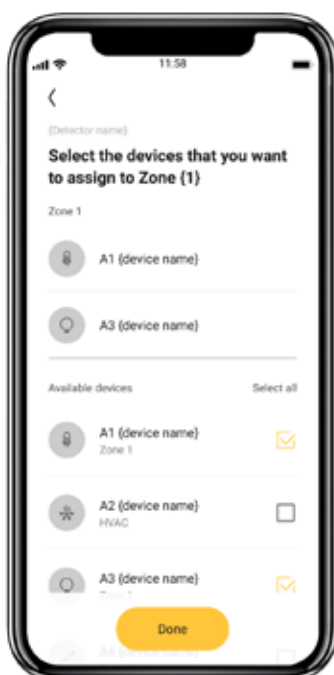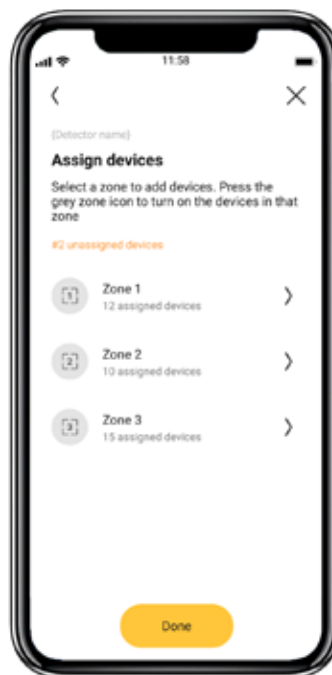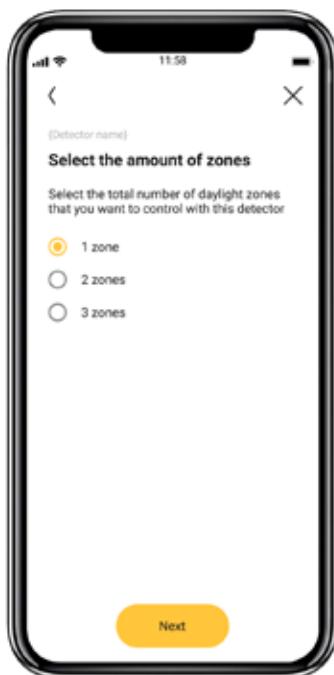### A complete overview of your detector settings

The portal allows you to efficiently find the detector configurations used in a project. And to prepare the detector configuration to upload to the detectors later while you or one of your colleagues is handling the commissioning.

Save time with templates

You can mark a detector's configuration as a template so that you can easily find it again. The configuration of this detector, created by you or your colleagues, can also be reused to commission similar detectors.

Document and organise multiple projects

You can document and organise one or multiple detector configurations into a project for easy documentation, re-use or sharing.

Share with your team

Detector configurations can be shared with colleagues, so you can collaborate when commissioning large installations or with the building owner for quality assurance purposes.

Secure data in the cloud

The information about each detector's configuration and relevant information about your installation project is automatically shared between the app and portal. This means that the configurations are accessible even if the smartphone is replaced or if access to the configurations is needed in the portal.

Enjoy the benefits of the
Niko detector tool app and portal

Features in Niko detector tool app	No account	With an account
Commissioning detectors	•	•
Project overview in Niko detector tool app	•	•
Lock/Unlock detectors with a PIN code - protect configurations with a 4-digit code		•
Save configurations in the Niko detector tool portal - ensuring backup of configurations		•
Overview of all projects/configurations in Niko detector tool portal		•
Automatically save configurations in the Niko detector tool portal - ensuring backup		•
Share configuration templates with other Niko detector tool portal users		•
Automatic creation of documentation of the settings in Niko detector tool portal - PDF- or Excel		•
Search for the settings of a detector using the MAC-address		•

You register to the Niko detector tool portal via the link in the Niko detector tool app - or via the website: detectortoolportal.niko.eu

Improved usability with push-buttons

Use as many input devices as you need

In most installations it is convenient to have one or more push-buttons to override the automatic lighting control. Push-buttons can be used to dim down the light in a multi-zone next to a screen, activate light scenes, turn on board lighting, etc.

Add input devices directly to the DALI bus

The DALI-2 P48 detectors have four inputs that can be used for either 230V push-buttons or switches (T1 - T4). However, with the DALI-2 P48 detectors you can add external input devices directly to the DALI bus, as long as they comply with the DALI-2 protocol. In most cases this will give you the ability to have all the control devices you need for your application, as the limit is 64 devices according to the DALI protocol. You can take advantage of this, by, for example, creating more scenarios, each controlled by a push-button.

Connect alarm to the lighting control

You can use one of the four 230V inputs on the DALI-2 P48 detectors to add a switch. For example, you can connect your alarm system to the lighting control, so the light turns off when the alarm is switched on, and the light turns to 100 % intensity when the alarm is deactivated.

The switch can be used for the following actions:

• Set light at a fixed light level
• Activate a light scene
• Activate light in a certain zone

Perfect solution for glass and moveable walls

Use DALI-2 P48 detector for Bluetooth® push-buttons

By combining the DALI-2 P48 detector with wireless Bluetooth® push-buttons, you can set up wireless user control of the lighting control. It allows elegant and practical lighting solutions to be created in spaces with glass and movable walls for flexible office design.

Completely wireless push-buttons

The Bluetooth® push-buttons from Niko are completely wireless and can therefore be placed anywhere. When the push-buttons are activated, enough energy is generated (using kinetic energy) to send wireless signals to the detectors. As a result push-buttons do not require a battery, which means they are completely maintenance-free.

The solution is particularly economically advantageous in renovation projects and when retrofitting push-buttons, as installation of wireless push-buttons eliminates the cost of wiring of cables, paint, etc.

DALI-2 P48 detector

- For wireless user control of lighting control
- Works with Niko Bluetooth® push-buttons
- Perfect solution for glass and movable walls
- Cost effective solution
- Easy installation and maintenance

Save energy with daylight control

Benefit from DALI-2 with daylight control

Using DALI-2 master detectors is an easy way for an installer to create energy efficient lighting control. This can be done with a daylight-controlled lighting installation that does not require any advanced programming, BMS-controllers etc.

Use incoming daylight

During the commissioning of your DALI-installation, you define the required lux level in the room. The DALI-2 master detector will automatically measure the incoming daylight from the windows and take this into account, when the detector switches on the luminaires.

Early in the morning the luminaires will automatically switch to full level to meet the set lux requirement. Later in the day, when the sun rises and shines through the windows, the luminaires are automatically dimmed to a lower light level. The lux level in the room will always be at the required level, but you will save energy by dimming the luminaires as you make use of the daylight coming in through the windows. In the evening, as the sun goes down, the luminaires will again automatically light up to compensate for the reduced daylight from the windows.
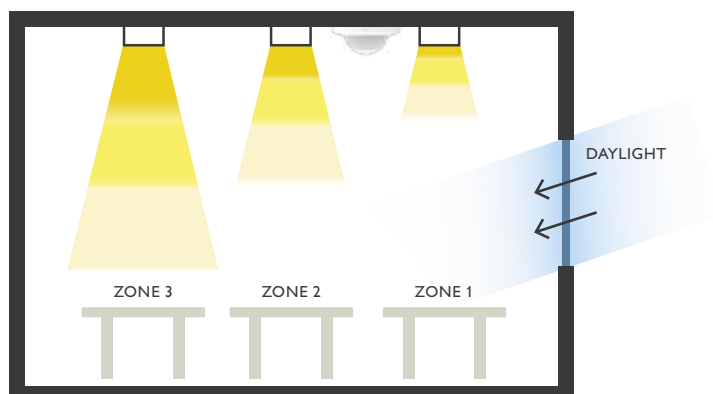
Create more daylight zones

It is obvious that the incoming daylight will mainly light up the area next to the windows. For this reason you can create up to 4 daylight zones, and the DALI-2 master detector will continuously calculate the appropriate lighting level in each zone to ensure that the required lux level is maintained throughout the room.

Easy installation of secondary detectors

It is possible to extend the detection range with up to 10 secondary detectors using DALI-2 P48 detectors. You simply connect the DALI-2 secondary detector directly to the DALI bus and the DALI-2 secondary detector will work immediately without any configuration.

If you want to modify settings e.g. the sensitivity, you can easily do this afterwards with the Niko detector tool app.
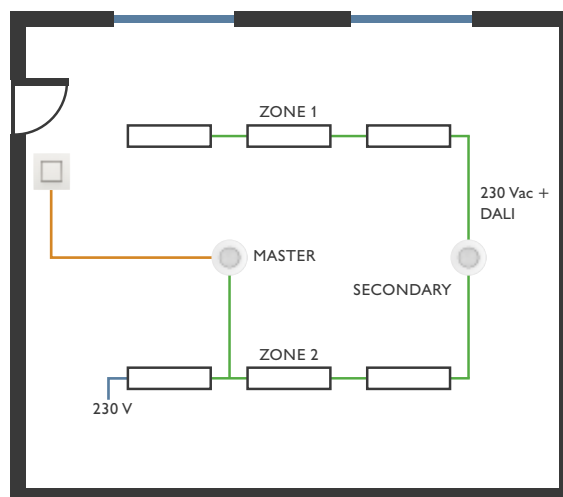
Works out-of-the-box

When the DALI-2 master detector is installed, daylight control works immediately out-of-the-box, without any further configuration. The DALI-2 detector is preset to work in "broadcast mode", i.e. basic daylight-control lighting based on factory settings, which can be easily modified at a later date.

Easy to upgrade to take full advantage of the DALI protocol

It is easy to change the basic "broadcast mode" into "addressable mode" to take full advantage of the possibilities that DALI-2 protocol offers.

In "addressable mode" you have full control over each luminaire and control gear on the DALI bus. This allows you to create more daylight zones, multi-zones, use external DALI relays, add several control gears, etc. This further increases both user comfort and energy savings.

Get the right level of light both day and night

Use night mode to optimise light in corridors

DALI-2 master detectors automatically dim the light to orientation level when no one is present. After a while the light switches off completely. This ensures that nobody gets caught in the dark when they are out of detection range. If presence is detected while the detector is in orientation light mode, full light will switch on again. Switch-off delay time and light level can be set as required.

Night mode - perfect for corridors

In corridors in hotels, hospitals/care homes etc. it can be unpleasant to have full light when entering the corridor at night. A light level of 50 % may be sufficient to pass through the corridor without bothering others with full light. To avoid full light when someone is present, you can use night mode to define the light level at night.

Night mode can be activated manually with a switch or automatically with e.g. a timer or a twilight switch. When night mode is not activated the light is controlled by daylight.

Night mode 🌙

- Energy efficient solution
- User-friendly solution
- Setup using Niko detector tool app
- Perfect for corridors at night

Save more energy with daylight control when dimming manually

Keep daylight control when light is adjusted manually

Lighting levels in a daylight-controlled DALI installation are automatically adjusted during the day by natural daylight coming through the windows. However, the automatic lighting control can be overridden if required. This can be done with a push-button control if ever the user needs more light than set automatically by the daylight control.

When you override the automatic lighting control the energy-efficient daylight control is activated by default. The light level will now follow the push button, and the daylight control will only return after the light has been switched off.
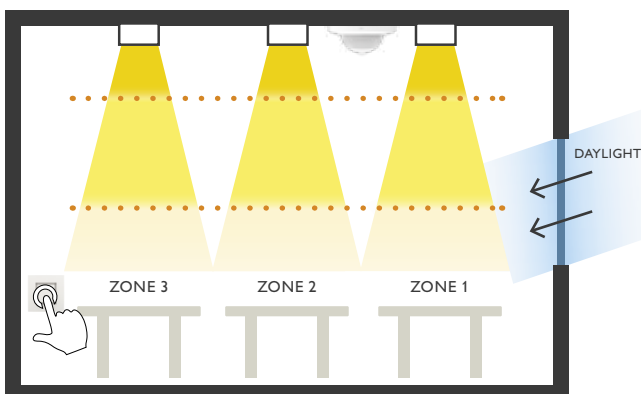
Keep the daylight control

It is possible to continue using daylight control when manually adjusting the light level. This is done by activating the daylight-control function during manual dimming. In this way, energy-efficient daylight-based control is maintained even when the light level is adjusted by the user.

Daylight control when dimming manually

LUX

- Energy efficient solution
- User friendly solution
- Setup using Niko detector tool app

The default setting for manual adjustment is for daylight control to be deactivated.
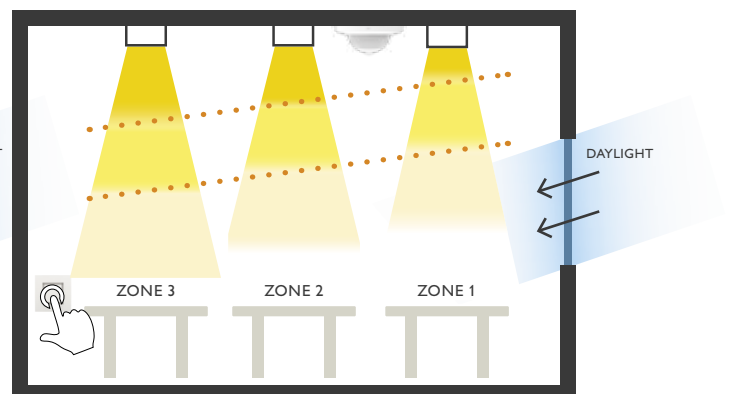
Daylight control on manual dimming has been activated in the configuration of this installation. The energy-efficient daylight control continues at the new level after manual adjustment.

Use relays to avoid energy waste

Minimise power consumption in HVAC and standby modes

All DALI-2 P48 detectors have an internal relay and can work with external relays. This allows functions to be installed to minimise power consumption. The following three functions are available when using relays:

Control HVAC

Ventilation switches on and off automatically depending on presence in the room. Switch-on/off delay time can be set as required.

Standby minimisation

If no presence is detected, power to the luminaires is disconnected and the power consumption of luminaires is 0 watts. Switch-off delay time can be set as required.

Light on/off

Add on/off lighting to the DALI installation. The light can be switched on/off either automatically or by a push-button. Switch-off time can be set as required.

Functions using internal and external relay

You can install these functions using the internal relay and combine them with one or more functions using external relays. The functions works with external DALI relays.
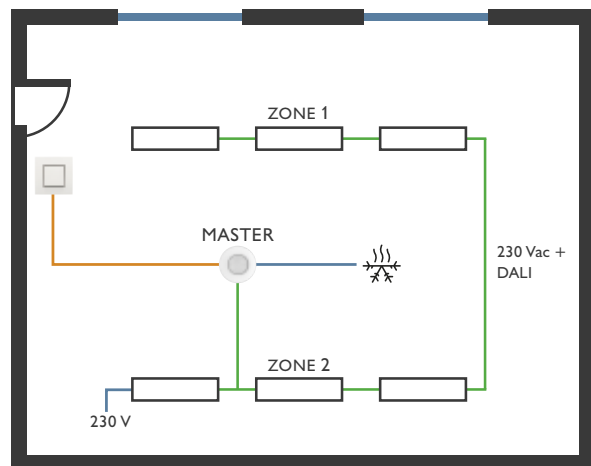
Internal/external relay

- Minimise power comsumption
- Improve user comfort
- Requires no further wiring
- Settings defined in Niko detector tool app

Meeting room with control of HVAC

In this meeting room, the ventilation is connected to the internal relay of the detector. When people enter the room, the ventilation will automatically start after a delay of e.g. 2 minutes. When people leave the room, the ventilation stops after a delay of e.g. 10 minutes. In this way, the indoor climate is maintained and you save energy on HVAC when the meeting room is unoccupied.

Open-plan office with standby minimisation

In the office, the luminaires are powered by the detector's internal relay. When there is no presence in the room, the power to the luminaires is disconnected after 60 minutes and the power consumption of luminaires will be 0 watts. This eliminates the power consumption of the luminaires in standby mode.
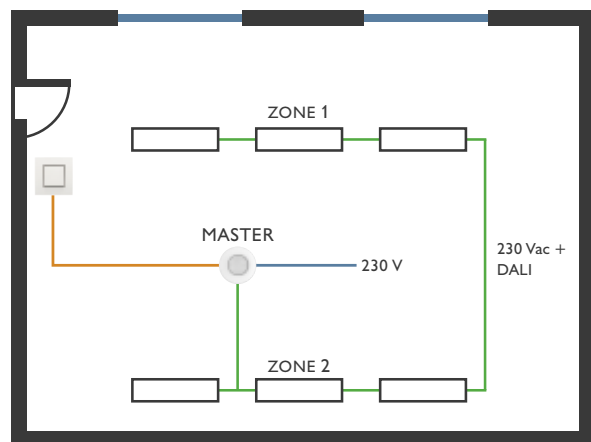
Classroom with on/off board light

In this classroom, the board light is powered by the internal relay. This is an easy way to combine on/off lighting with daylight control in a DALI-2 installation.
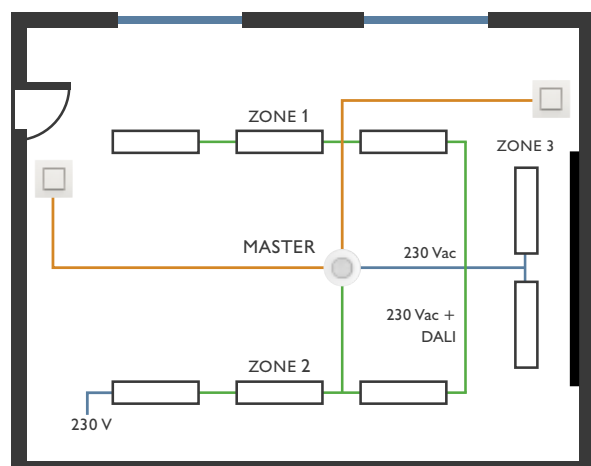
Lighting control of adjacent areas

Use master-master link to improve user comfort

To take lighting control to the next level of user convenience, you need to be able to control lighting in adjacent rooms and areas. By using the integrated Bluetooth® master-master link, you can easily install this in a simple and cost-effective way.

Avoid total darkness around you

In open-plan offices or offices with glass walls, users can have the unpleasant experience of sitting alone in the dark because the lights in adjacent areas are switched off when they are empty. An easy way to avoid this is to connect DALI segments in different adjacent areas using the integrated Bluetooth® master-master link.

The DALI-2 P48 detectors can wirelessly to transmit commands to each other to coordinate lighting control. This allows, for example, the lighting in the adjacent area to be dimmed to 10% when no one is present, rather than switching off the lights completely. This means that users are never in total darkness, even when the adjacent offices are empty.

DALI-2 MASTER   DALI-2 MASTER

Bluetooth® master-master link

- Align lighting control between two DALI segments
- Requires no wiring
- Setup using Niko detector tool app
- Perfect for lighting control of adjacent areas and rooms with folding doors

Open-plan office

In this open-plan office you will never be plunged into darkness when colleagues in other areas of the office leave. Instead, the light in the adjacent areas is dimmed to, say, 10 % while you are still in the office.

230 V   AREA A   AREA B   230 V
MASTER   MASTER

AREA C   AREA D
MASTER   MASTER
230 V   230 V
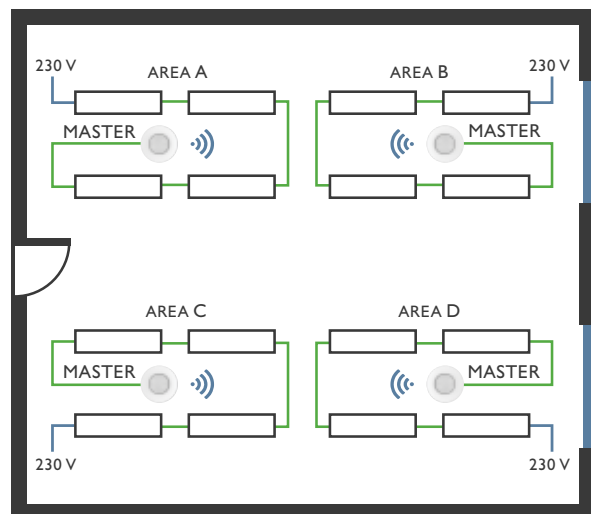
Adjacent room and corridor

The glass walls in this office will never become a "dark black wall" when the office next door is empty. Instead the light in the neighbouring office is dimmed down to, say, 10% as long as people are still in the office.

The same principle is used for the corridor to ensure you never have to walk in a dark corridor.

230 V
ZONE 3   ZONE 2   ZONE 1
MASTER

MASTER
ZONE 3   ZONE 2   ZONE 1
230 V

230 V
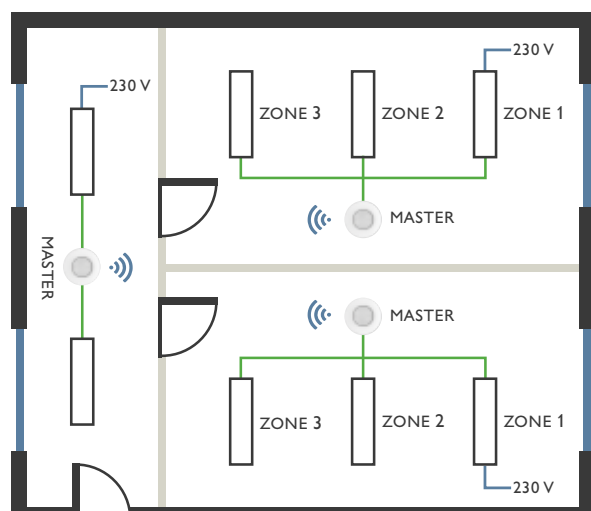
MASTER

Synchronise user control in rooms with folding doors

Master-master link is perfect for rooms with folding doors

Daylight control in rooms separated by a folding door is not a problem. Install a DALI-2 P48 detector in each room, and they will operate independently regardless of whether the folding door is open or not.

Easy to synchronise use of push-buttons

You can also add push-buttons to an installation in a room with folding doors, if you want users to be able to override the automatic lighting control.
The DALI-2 P48 detector has integrated Bluetooth® master-master link to ensure that this can be done in an easy and cost-effective way.

Using the Niko detector tool app, the two DALI-2 P48 detectors can be easily setup to communicate with each other via Bluetooth®. The master-master link ensures that the lighting is synchronised when users operate the push-button switches when the folding doors are open. When the folding doors are closed, the lighting control works independently, even if users are using the push-buttons.

Room with a folding door

When the folding door is open, the master-master link ensures that the light is controlled uniformly when users modify the lighting. A switch registers whether the folding door is open or closed. It is possible to expand up to 3 folding doors.

Bluetooth® master-master link
- Align lighting control between two DALI segments
- Requires no wiring
- Setup using Niko detector tool app
- Perfect for lighting control of adjacent areas and rooms with folding door
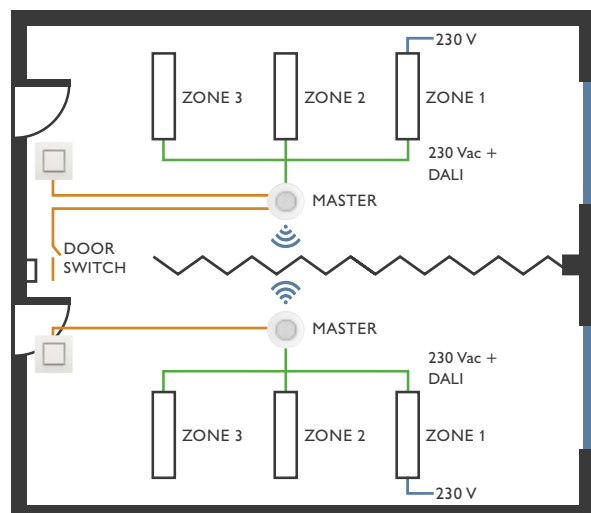
Perfect lighting next to screens

Use an extra multi-zone of luminaires

Many people have experienced how light from luminaires interferes with light from a screen. The result is that the screen appears unshared, which gives a poor user experience. This can be eliminated by defining a multi-zone next to the screen.

Multi-zone across daylight zones

Using a multi-zone it is easy to prevent light from luminaires interfering with the light from a screen, even if you have installed more than one daylight zone. You simply create a multi-zone that includes the luminaires installed next to the screen. This can be done across more than one daylight zone and that is why it is called a multi-zone.

When a presentation is to be made on the screen, the luminaires in the multi-zone next to the screen are switched off, while the dayligt-control lighting in the rest of the room continues. After the presentation, you switch on the luminaires in the multi-zone, and they become part of the daylight-control lighting again.

Save luminaires for dedicated lighting

Your imagination is your only limit to what you can do with a multi-zone. For example, you can define a multi-zone next to a whiteboard, over a workbench, a meeting table or an artwork, if you would like to have 100 % light on these occasionally. This eliminates the need to install dedicated lighting in a separate and saves on luminaire, wiring and installation costs.

Multi zone

- Extra zone across more daylight zones
- Works independently of the daylight control
- Works independently of the wiring
- Setup using Niko detector tool app
- Perfect for smart board, screen and dedicated lighting

Dedicated lighting

A multi zone is defined over a meeting table so that full lighting is available when meetings are held around this table. The daylight control of the luminaires remains in the rest of the room even when the multi-zone is activated.

This makes full use of the existing luminaires and saves the cost of installing dedicated luminaires above the meeting table.
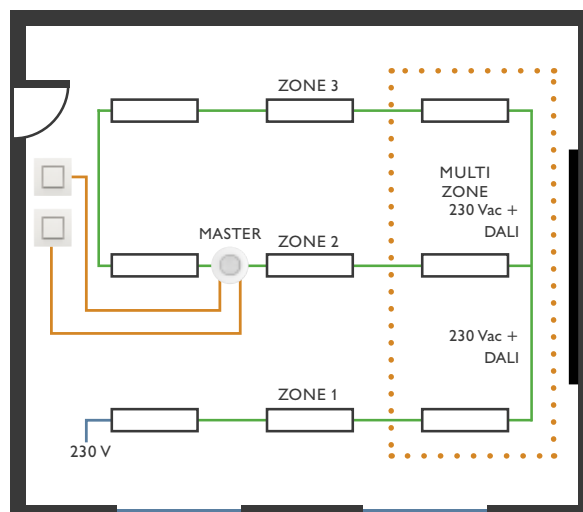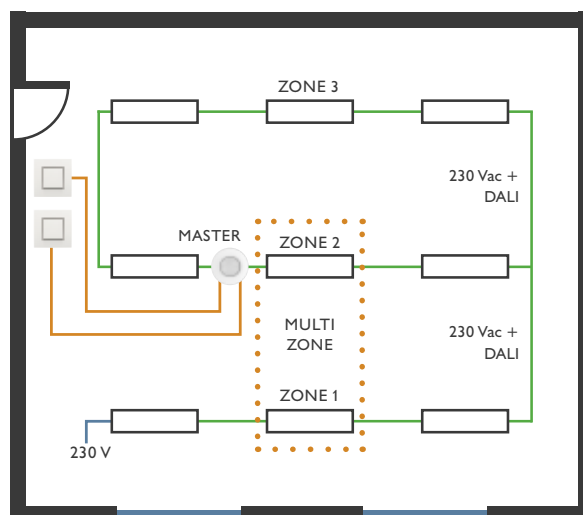

Lighting at smart boards

In this class oom a multi-zone is defined next to the board. When the smart board is in use, the luminaires can be switched off to prevent light from the luminaires interfering with light from the board. The board remains sharp and clear, while the daylight-controlled luminaires in the rest of the room continue to operate unchanged.

Improve well-being with dynamic tunable white

Use tunable white to optimise indoor environment

Studies have shown that the temperature of light affects human well-being. Tunable white makes it possible to control the light temperature to take advantage of this knowledge. This can be particularly beneficial in buildings such as schools, offices, hospitals and other institutions where dynamic lighting control has been shown to improve well-being, learning, work efficiency and faster recovery.

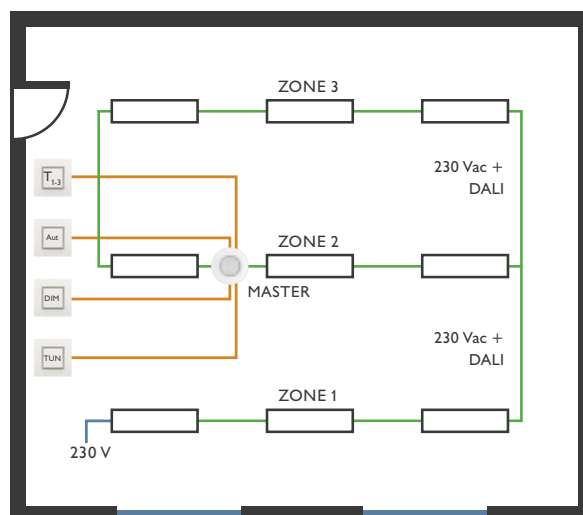### Human Centric Lighting and tunable white integrated in Niko DALI-2 detectors

A tunable white controller is integrated into the DALI-2 P48 detectors, allowing you to control light temperature without any additional components. Tunable white can be implemented in different ways:

- By push-button to call a tunable white preset
- By push-button dim cooler or warmer
- Human Centric Lighting (max. 24 presets per day)

Tunable white

- Integrated in DALI-2 P48 detectors
- Human Centric Lighting is possible
- 24 presets can be defined on Niko detector tool app
- Tunable white and daylight control can be combined
- Increase users well-being and productivity

Cost and energy efficiency solution

As the tunable white controller is integrated into the DALI-2 P48 detector, you save the cost of any other components. It is also possible to combine tunable white with daylight control to ensure an energy efficient installation. Both the DALI-2 P47 and DALI-2 P48 detectors are compatible with third party DALI-2 components to control tunable white if this is preferred. DT8 luminaires are required to install tunable white.

Activity room in a care home with Human Centric Lighting

In this activity room, tunable white is installed using the tunable white option built into the DALI-2 P48 detector. 12 of the 24 presets have been defined to fit different activities during the day. One of the presets will automatically be recalled depending on the setting and time of the day. To ensure energy efficiency the installation is combined with with up to 4-zone daylight control.

Four push buttons are installed to operate the luminaires.. Push button T1-3 operates the daylight zone. AUT is used to recall daylight control. DIM is used to dim the light up and down. TUN is used to adjust the colour temperature.
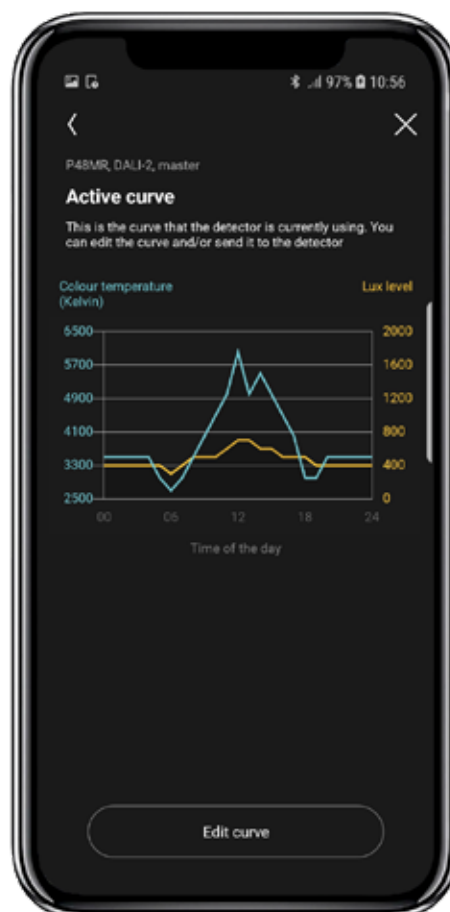
Quick settings of light scenes

Define light scenes using Niko detector tool app

Larger meeting rooms and conference halls are used for many different types of meetings and activities. The right lighting can make the difference between an event being more or less successful. Therefore it could be beneficial to define a number of lighting scenes, which can be used for different kind of activities.

Call up to 16 lighting scenes

The DALI-2 P48 detectors allow you to pre-define up to 16 different lighting scenes. This means you can change the entire lighting at the touch of a button. A light scene can be set for presentations or for a specific work situation.

Define lighting scenes in Niko detector tool app

Lighting scenes are defined using the Niko detector tool app, so there is not need for a PC or other software. Each lighting scene can include light in all lighting zones with individual light intensities. Scenes are configured independently of installation and wiring and can therefore always be changed later.

Conference room with scenarios

There are 4 zones installed in this conference room. Zones 1 + 2 are daylight zones. Zone 3 is for effect lighting and Zone 4 is for board lighting. The daylight zones are automatically switched on when you enter the conference room. Three scenes have been defined to create the perfect lighting for presentations, meetings, etc.

The scenes can be recalled using push buttons S1, S2 or S3. The AUT button deactivates the scenes and brings back daylight control.

Benefit from using lighting scenes

- Define up to 16 different scenes
- Call up scenes instantly by a push-button
- Define scenes using Niko detector tool app
- Easy to change scenes
- Works independently from wiring
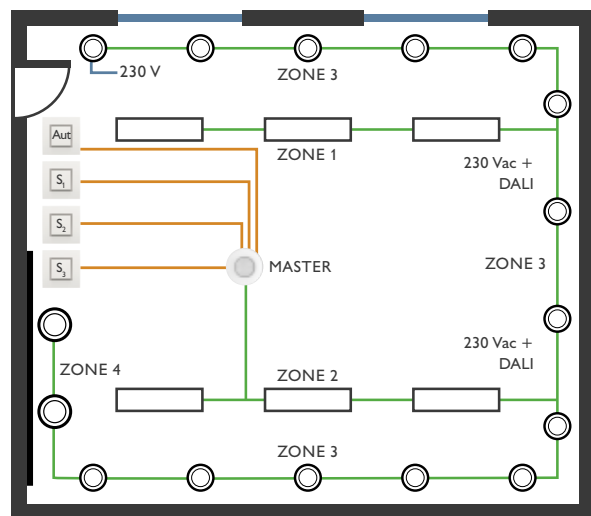
A sense for versatility

One powerful line-up that meets the needs of your entire project

The Niko P40 and M40 detector series are designed to fit every situation. This means any ceiling type, in any building, with a choice of detection ranges for all possible combinations of 230 V or DALI-2-certified detectors. And all within one, award-winning contemporary design.

	13 m detection range*	37 m detection range*	53 m detection range**
	A unique flat lens that integrates seamlessly into the ceiling	An effective dome lens with a long detection range	For high ceiling use. An effective dome lens with a long detection range
Flush-mounting with SnapFit 230 V – 1 channel (P42) DALI-2 (P47) DALI-2 secondary/BMS (P46) Secondary (230 V P41, DALI-2 P46)			
230 V – 2 channel (P42) DALI-2 (P48)			
Flush-mounting box 230 V – 1 channel (P42) DALI-2 (P47) Secondary (230 V P41, DALI-2 P46)			
Surface mounting 230 V – 1 and 2 channel (P42) DALI-2 (P47) DALI-2 (P48) Secondary (230 V P41, DALI-2 P46, DALI-2 M48) High ceiling (detection range Ø18-53 m)			

* At 3 m mounting height
** At 12 m mounting height

A sense for functionality

Explore endless possibilities via one simple solution

		DETECTORS					
Type		**1 channel** M42 230 V motion detectors	**1 channel** P42 230 V presence detectors	**2 channels** P42 230 V presence detectors	**DALI-2** P47 presence detectors	**DALI-2** P48 presence detectors	**DALI-2** P46 Secondary/ BMS presence detectors
INPUT	Inputs or push-buttons	1	1	2	1	4	
	Free assignment of push-buttons			•		•	
	Wireless push-button for override of lighting control					•	
	External trigger (activation via external systems)					•	
	Wired secondary		•	•	•	•	
	External input devices via DALI bus					•	
FUNCTIONS	Automatic on/off	•	•	•	•	•	
	Semi-automatic on/off (manual on/off + auto off)	•	•	•	•	•	
	Daylight control (dimming - based on daylight)				3 zones	4 zones	
	DALI Broadcast + DALI Addressable				•	•	
	Wireless master-to-master link via Bluetooth®					•	
	Wireless secondary-to-master link via Bluetooth®		•	•			
	Multi-zone - smart board lighting					•	
	Night mode - perfect for corridors					•	
	Turn-on level					•	
	Orientation light				•	•	
	Light scenes - define and control scenes					•	
	Folding door function- Wireless sync of lighting control					•	
	Control light in adjacent areas / corridors					•	
	Tunable white third-party integration				•	•	
	Tunable white dynamic and presets					•	
	Human Centric Lighting (HCL)					•	
	Output relay - control HVAC / standby minimisation / light (on/off)					•	
	External DALI relay for HVAC / standby minimisation					•	
	Event log	•	•	•	•	•	•
	Portal solution for documentation, backup and distribution of configuration files	•	•	•	•	•	•
	Settings and configuration can be locked with a PIN-code	•	•	•	•	•	•
APP	Software update of detector via app	•	•	•	•	•	•
	2-way Bluetooth® communication	•	•	•	•	•	•

Niko P40 and M40 detector series
One powerful line-up that meets the needs of your entire project

230 V detectors

Type		Mounting height	Output	Input for 230 V push button	Secondary detector max.	Bluetooth secondary-master link
M42MR / M42LR	Motion detector, Master 1 channel	2 - 3.5 m	µ 10 A, NO (potential free relay)	1 input		
P42MR / P42LR	Presence detector, Master 1 channel	2 - 3.5 m	µ 10 A, NO, (potential free relay)	1 input	10 secondary detectors	Yes
P42MR / P42LR	Presence detector, Master 2 channels	2 - 3.5 m	2 x µ 10 A, NO, (potential free relay)	2 inputs	10 secondary detectors	Yes
M42HC	Motion detector, Master, High ceiling	4 - 12 m	µ 10 A, NO, (potential free relay)	1 input	10 secondary detectors	Yes
P41 MR / P41 LR	Presence detector, Secondary	2 - 3.5 m	-	-	-	Yes
M41 HC	Motion detector, Secondary, High ceiling	4 - 12 m	-	-	-	Yes

DALI-2 detectors

Type		Mounting height	Output	Max. zones	Secondary detector max.	Bluetooth push button
P47MR / P47LR	Presence detector, Master	2 - 3.5 m	DALI 2	3 zones	5 secondary detectors *	-
P48MR / P48LR	Presence detector, Master	2 - 3.5 m	DALI 2 µ 10 A, NO, (potential free relay)	4 zones	10 secondary detectors *	Yes
M48HC	Motion detector, Master, High ceiling	4 - 12 m	DALI 2 µ 10 A, NO, (potential free relay)	4 zones	10 secondary detectors *	Yes
P46MR / P46LR	Presence detector, Secondary and BMS	2 - 3.5 m	DALI 2	-	-	-
M46HC	Motion detector, Secondary and BMS, High ceiling	4 - 12 m	DALI 2	-	-	-

* Be aware of the maximum guaranteed current on the DALI bus

Navigate quickly and easily through our new product range

All our detectors have been named with a:

Type of detector	Detector family	Functionality	Detection range
P or M	P4 or M4	P46 or M41	P46MR or M41LR
P = presence detector	4 = Bluetooth® generation of detectors	1 = 230 V secondary	MR = medium range
M = motion detector		2 = 230 V master 1-channel and 2-channel	LR = long range
		6 = DALI-2 BMS / secondary	HC = high ceiling
		7 = DALI-2 master default	
		8 = DALI-2 master advanced	

Medium detection range Ø12-13 m (MR)				Long detection range Ø32-37 m (LR)				High ceiling detection range Ø18-53 m (HC)
Flush-mounting box	Flush mounting SnapFit	Flush mounting SnapFit	Surface mounting	Flush-mounting box	Flush mounting SnapFit	Flush mounting SnapFit	Surface mounting	Surface mounting
353-600111 M42MR	353-601111 M42MR	-	353-602111 M42MR	353-700111 M42LR	353-701111 M42LR	-	353-702111 M42LR	-
353-600121 P42MR	353-601121 P42MR	-	353-602121 P42MR	353-700121 P42LR	353-701121 P42LR	-	353-702121 P42LR	-
-	-	353-601221 P42MR	353-602221 P42MR	-	-	353-701221 P42LR	353-702221 P42LR	-
-	-	-	-	-	-	-	-	353-802111 M42HC
353-600021 P41MR	353-601021 P41MR	-	353-602021 P41MR	353-700021 P41LR	353-701021 P41LR	-	353-702021 P41LR	-
-	-	-	-	-	-	-	-	353-802011 M41HC

Medium detection range Ø12-13 m (MR)				Long detection range Ø32-37 m (LR)				High ceiling detection range Ø18-53 m (HC)
Flush-mounting box	Flush mounting SnapFit	Flush mounting SnapFit	Surface mounting	Flush-mounting box	Flush mounting SnapFit	Flush mounting SnapFit	Surface mounting	Surface mounting
353-650321 P47MR	353-651321 P47MR	-	353-652321 P47MR	353-750321 P47LR	353-751321 P47LR	-	353-752321 P47LR	-
-	-	353-651421 P48MR	353-652421 P48MR	-	-	353-751421 P48LR	353-752421 P48LR	-
-	-	-	-	-	-	-	-	353-852411 M48HC
353-650021 P46MR	353-651021 P46MR	-	353-652021 P46MR	353-750021 P46LR	353-751021 P46LR	-	353-752021 P46LR	-
-	-	-	-	-	-	-	-	353-852011 M46HC

Niko designs electr(on)ic solutions to enhance buildings to better suit the needs of the people who live and work in them. By using less energy, by improving light comfort and safety and by making sure all applications work together seamlessly. Buildings with Niko are more efficient, are controllable from a distance and interact within bigger ecosystems. Niko is a Belgian family business from Sint-Niklaas with 700 employees and 10 European branches.

At Niko, there is one question that keeps us busy every day: "How can we enhance buildings to better suit your needs?"

New Niko KNX Detectors

All new range of KNX detectors from Niko

Niko's brand new range of KNX ceiling detectors combine all the features you could ever want in a detector, and none you don't. In total, there are 4 SKUs available, but 2 of these will cover nearly all your requirements when it comes to presence and motion detection.

Visibly striking & virtually invisible

Niko's new detectors are both beautiful and beautifully designed. The range includes a discreet flat lens version, and the new mini detector is small enough to be integrated in thin ceiling finishing profiles, making them the perfect solution for offices. But don't let their diminutive size fool you… these new KNX detectors pack a punch when it comes to performance.

High-level delivery

In some cases however, we know you'll need detectors that deliver performance at even higher ceiling heights … it's why Niko's new range includes 2 high-performance motion detectors for particularly large spaces: up to 40 m detection range and heights up to 10 metres.

Interchangeable deco rings in black or white

All SKUs come with interchangeable deco rings in either black or white, meaning it's easy to swap them if a customer changes their mind. Naturally too, all are finished to Niko's high-quality standards.

The best technology solution

Niko's new KNX detectors are precisely engineered to do the job of sensing motion and presence. This means they are not over engineered to be everything for everyone, as they don't detect temperature change and Volatile Organic Compounds (VOC sensing).

Niko firmly believes that multi-sensing is an emerging technology and needs to mature before a product can really deliver customers' needs for multi-sensing. In our opinion, it doesn't make sense to integrate temperature and VOC sensing in ceiling detectors, as these are already controlled by HVAC and heating systems, and ceilings are not necessarily the best place to monitor temperature, odours or pollutants.

Excellent value for money

Our new detectors offer excellent value for money. Following an in-depth analysis of the market, each new detector has been engineered to deliver top quality performance and yet retail at a highly competitive price.

5 available channels

All of Niko's KNX detectors offer 5 channels, so you don't have to worry about which detector to choose, and you won't have to replace them if your project manager decides on another application beyond presence and lighting control.

IEC quality in measuring detector performance

Niko is one of the first manufacturers to measure its detectors' performance according to EN/IEC63180:2020 standards. This test procedure promises to become the standard for the industry. A robot is used to emulate a human body to maximize accuracy of the measurements. The norm also specifies how to present the detection range so that it can be recognized, trusted and used for comparison to other IEC 63180 compliant products.

> It's good to have a choice of colours when it comes to finishing off an interior nicely. Niko's stylish KNX detectors — available in black and white — are just what we were looking for.
>
> *Architect at City Council*

Both individuals and companies want greater flexibility and comfort when it comes to the management of lighting and access control systems. This is only possible when you connect and monitor equipment, and then control it using an automation system that speaks a common language.

Based on interviews and market input, Niko has completely redesigned its entire KNX detector range to make life easier for everyone involved. Just four SKUs will now be able to meet all the requirements of the market, meaning it'll be easier to choose the motion and presence detector you want.

"

While we wanted the best motion and presence detectors for our project, we also wanted equipment that wasn't over engineered with features we were never going to use. Niko's new range of KNX detectors fitted the bill perfectly.

Lead engineer on building sites

P34MR KNX Mini FM
350-34001

- Flat lens
- Includes plug in connector for easy installation
- Easy configuration (well-structured ETS file)
- 5 channels: 4 channels for lighting control, alarm and HVAC + light measurement
- Various applications: presence, lux, constant light switch, HVAC, alarm
- Flat design, available in white and black finish (exchangeable deco ring)
- IP54
- Small form factor (28mm drill diameter, 40mm depth in ceiling)

Presence P34MR KNX FM/FMB
350-34002

- Flat lens
- Plug-in terminals for fast installation
- Easy configuration (well-structured ETS file)
- 5 channels: 4 channels for lighting control, alarm and HVAC + light measurement
- Various applications: presence, lux, constant light switch, HVAC, alarm
- Flat design, available in white and black finish (exchangeable deco ring)
- Up to IP54 in combination with surface mounting accessory
- For flush mounting or flush-mounting box
- Surface mounting via accessory

Motion M34LR KNX FMB
350-34003/350-34013 (black)

- High performance
- Plug-in terminals for fast installation
- Easy configuration (well-structured ETS file)
- 5 channels: 4 channels for lighting control, alarm and HVAC + light measurement
- Various applications: presence, lux, constant light switch, HVAC, alarm
- Available in white and black finish
- Up to IP54 in combination with surface mounting accessory
- For flush-mounting box
- Flush or surface mounting via accessories

Motion M34HC KNX FMB
350-34004/350-34014 (black)

- Installation height up to 10m
- Plug-in terminals for fast installation
- Easy configuration (well-structured ETS file)
- 5 channels: 4 channels for lighting control, alarm and HVAC + light measurement
- Various applications: presence, lux, constant light switch, HVAC, alarm
- Available in white and black finish
- Up to IP54 in combination with surface mounting accessory
- For flush-mounting box
- Flush or surface mounting via accessories

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