# Lifting your project to a higher level

Niko ceiling detectors

**niko**

*Illuminating ideas.*

# SnapFit mounting

Niko makes it easier than ever to ensure fast and stable mounting, thanks to the newly developed SnapFit mounting system (patent pending). The unique SnapFit mounting system uses a simple twist-and-click action, making it possible to install a large number of detectors quickly and reliably in all kinds of suspended ceilings.

Barbs to grab into the ceiling

Flexible mounting ring

Inner bracket for up to 40 mm thick ceiling

Grab to snap on the detector

Deco ring in white or black (option)

12 m detector (flat lens)
28 m detector (curved lens)

# One strong line-up
## Meet the needs of your entire project

Niko has developed a complete range of ceiling detectors with a sleek, contemporary look and a discrete design that blends perfectly into different types of interiors. This means you can now employ one and the same design line for all the detectors in your project, including any combination of:

- 230 V detectors
- DALI detectors
- DALI BMS detectors - for integration with BMS controller

### Improved lighting control with more functions

Lighting control means more than just turning your lights on and off. It's also about improving comfort for users and optimising energy efficiency. Niko makes it easy by integrating enhanced functions in our new line of detectors. As the installer can easily commission all functions via a user-friendly smartphone application, there is no need for advanced programming by an external specialist to benefit from the full functionalities of the detectors.

### Reduced installation time

The new detectors not only blend perfectly into every interior, they are also designed to be as installer-friendly as possible, taking into full account the installers' needs.
As there is no need for external specialists to implement the more advanced functions, installation time is reduced significantly and the risk of delay due to coordination between different parties is reduced to a minimum.

The Niko ceiling detectors will meet the needs of your entire project.

# Product overview
## Find the right detector for your needs

**12 m detection range**[*]
A unique flat lens that integrates
seamlessly in the ceiling

**28 m detection range**[*]
An effective curved lens
with a large detection range

### Flush-mounting with SnapFit

230 V – 1 channel
DALI standard
DALI BMS
Slaves (230 V, DALI)

230 V – 2 channel
DALI comfort

### Flush-mounting box

230 V – 1 channel
DALI standard
DALI BMS
Slaves (230 V, DALI)

### Surface-mounting

230 V – 1 and 2 channel
DALI standard
DALI comfort
DALI BMS
High ceiling (detection range 40 m)
Slaves (230 V, DALI)

[*] At 3 m mounting height

# Increased user comfort
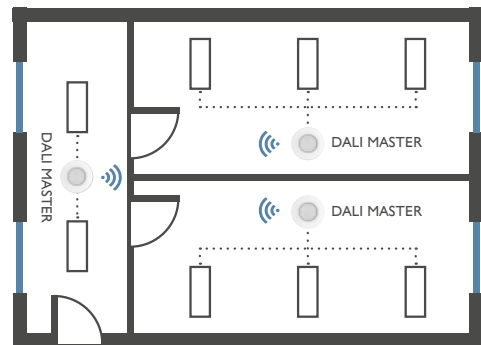## Take advantage of the integrated functions

Lighting control is all about energy efficiency and user comfort. Where energy efficiency is about dimming or turning the light on/off, user comfort can be more complex. That is why we have integrated a large number of functions into the new detectors. This gives you easy access to everything from basic lighting control to more advanced functionality than you could ever dream of with a stand-alone solution.

## Examples of integrated functions:

### Light control in adjacent areas

You may feel uneasy if you are opening a door to a dark corridor in the evening, or if you have glass walls facing a dark corridor.
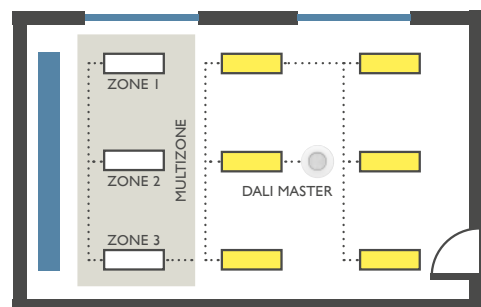
By integrating lighting control in adjacent areas there will always be a certain level of light in the corridor if you are present in a room. This is done by using the integrated Bluetooth communicaton.

### Smart board lighting

Smart boards are getting more common in schools and offices, and we all know how lights from luminaires can interfere with what is on the screen.

By using a multizone, you can turn off or dim the light at the smart board, while the light in the rest of the room remains daylight controlled.

### Tunable white for dynamic lighting control (HCL)

Light has a positive effect on people, and it has been shown that dynamic lighting control (HCL) increases wellbeing, learning, work efficiency, and faster recovery.

This can be provided by tunable white, which is included in all DALI comfort detectors. The DALI detectors are also compatible with third party components for controlling tunable white.

# Integrated functions
## Explore the endless possibilities

| Type | | 230 V motion detectors | 1 channel 230 V presence detectors | 2 channels 230 V presence detectors | DALI standard | DALI comfort | DALI BMS |
|---|---|---|---|---|---|---|---|
| | | **DETECTORS** | | | | | |
| **INPUT** | Inputs or push-buttons | 0 | I | 2 | I | 4 | |
| | Free assignment of push-buttons | | | ● | | ● | |
| | Wireless push-button for override of lighting control | | | | | Only comfort wireless | |
| | External trigger (activation via external systems) | | | | | ● | |
| | Wired slave | | ● | ● | ● | ● | |
| | 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 slave-to-master link via Bluetooth | | ● | ● | | | |
| | Multizone - smart board lighting | | | | | ● | |
| | 2-level control - perfect for corridors | | | | | ● | |
| | Turn-on level | | | | | ● | |
| | Orientation light | | | | ● | ● | |
| | Light scenarios - define and control scenarios | | | | | ● | |
| | Folding door function - Wireless sync of lighting control | | | | | ● | |
| | Control light in adjacent areas / corridors | | | | | ● | |
| | Tunable white third-party integration | | | | ● | ● | |
| | Tunable white dynamic and presets | | | | | ● | |
| | Output relay - control HVAC / standby minimisation / light | | | | | ● | |
| | External relay for HVAC / standby minimisation | | | | | ● | |
| | BMS integration | | | | ● | ● | ● |
| | Event log | ● | ● | ● | ● | ● | ● |
| | Cloud solution for documentation, backup and distribution of configuration files | ● | ● | ● | ● | ● | ● |
| | Settings and configuration can be locked with a PIN-code | ● | ● | ● | ● | ● | ● |
| **APP** | DALI command monitor | | | | ● | ● | |
| | Software update of detector via app | ● | ● | ● | ● | ● | ● |
| | 2-way Bluetooth communication | ● | ● | ● | ● | ● | ● |

# Cost-effective lighting control
## Take advantage of an open and secure solution

All DALI detectors from Niko comply with the open DALI-2 standard. This means that you are not dependent on just one supplier, as you can easily supplement with DALI-2 devices and control gears from other suppliers. You will benefit from flexible, cost-effective and future-proof solutions.
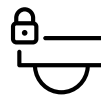
### Stand-alone or BMS solution
We offer DALI BMS detectors dedicated for BMS systems, however all our stand-alone DALI detectors also have the possibility for BMS integration if you wish to use this option.
This ensures a flexible and future-proof solution.

### Utilize the cloud solution

All data are stored in the cloud, which you can use for documentation, backup and distribution of configuration files.
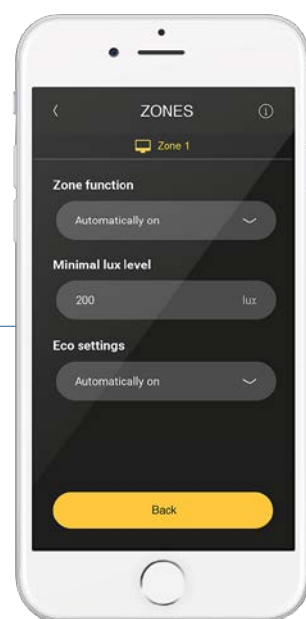
### Lock detector
For security reasons it is possible to lock the detector with a PIN code.

## )))  **Bluetooth**®  (((

**ZONES**

Zone 1

Zone function
Automatically on

Minimal lux level
200                    lux

Eco settings
Automatically on

Back

### Easy commissioning eliminates waiting time

Commissioning functions is easy thanks to the Niko detector tool app on a smartphone or tablet. It requires no further programming or commissioning tools.

The installer can easily commission on his own, independently of e.g. suppliers for programming. This eliminates waiting time on the project.

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 600 employees and 11 European branches.

At Niko we ask ourselves just one question every day:
"How can we enhance buildings to better suit your needs?"

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