

SELECTION GUIDE

Movement and presence detectors

A wide range of versatile and functional products







ABOUT US





Finder was founded in Italy in 1954. Since then it has been designing and manufacturing a wide range of electromechanical and electronic components for both the residential and industrial sectors. Today, thanks to its global vision, Finder now distributes its products around the world through a network of 29 company-owned subsidiaries and more than 80 trade partnerships.

Finder is an international family made up of more than 1300 individuals, all united by the same values and passion for our products.



14 500

Different products to satisfy a myriad of applications. From products at the heart of automation to the control of machines, power, time, temperature, liquid level, light and much more.

OUR PRODUCTS CARRY MORE CERTIFICATIONS THAN ANY OTHER RELAY MANUFACTURER



FINDER IS AN ITALIAN BRAND WITH A WORLDWIDE PRESENCE



LIGHT WHEN YOU NEED IT

MOVEMENT AND PRESENCE DETECTORS

Light has long been synonymous with comfort, safety and security, whether in **offices**, **apartment buildings** or homes, either **indoors** or **outdoors**.

FINDER movement and presence detectors offer the possibility to have light exactly when it is needed. As soon as FINDER detectors sense movement within their detection area, they switch the lights on for your comfort and safety wherever you are, i.e. in the office, corridor, staircase, garage or garden. With a product range including 14 different models, FINDER always has the right solution for you. From wall or ceiling mounted to recessed solutions and outdoor mounting options, **Finder has the detector you need for all your requirements**.

MOVEMENT DETECTORS

These detectors are suitable for installation in corridors, staircases, halls, garages, cellars and transit or service areas in general.

PRESENCE DETECTORS

Fitted with a sophisticated ultra sensitive lens, these detectors can even read minor movements of people within their detection area.

This feature makes them suitable in places where lighting controlled by minor movements is required, including offices, school rooms or washrooms.

MOVEMENT DETECTORS FOR OUTDOOR INSTALLATION

Having protection levels of IP 54 and IP 55, these detectors are the ideal solution for outdoor installation in areas such as porches and gardens or in damp or wet indoor areas such as garages, washrooms and changing rooms in gyms.



WHY CHOOSE FINDER MOVEMENT AND PRESENCE DETECTORS?

SAFETY

Finder movement detectors are designed to automatically **switch on the lights as soon as someone passes by**. This feature helps avoid the need for switches to control the lights.

COMFORT

All the light you need, only when you need it. This is the philosophy on which Finder designers have developed our movement and presence detectors. Thanks to their wide field of view, highly sensitive lenses and proper integration with the lighting system, Finder detectors are designed to switch on the light(s) at the right time in order for users to enjoy the utmost comfort.

ENERGY SAVING

Finder movement detectors switch on the lights when you access the room and switch them off when you leave: no more lights left on, as is often the case in staircases, washrooms or transit areas. Needless to say, the immediate result is **energy savings**.





DESIGN & COMFORT

FUNCTIONALITY AND AESTHETICS EVERYWHERE

Made in Italy - Design, engineering and manufacture are the distinguishing values of Finder movement detectors. Specifically designed keeping in mind their place of installation, these devices are compact in size and have a stylish design that fits perfectly in all contexts.

HOW MUCH LIGHT DO YOU NEED?

Finder movement detectors are designed to make your life comfortable and to avoid unnecessary waste of energy. They keep the lighting level in the room at the threshold the user has set up. Dynamic light compensation provides for uninterrupted comfort.

Finder movement detectors are also supplied with a light dependent sensor which prevents the lights from being switched on when natural light is still strong enough. When the day comes, the lights go out automatically and they are switched on again in the evening. The only thing the user needs to do is to enjoy comfort in his or her favourite place!

THE RIGHT MODEL FOR YOU, AT ALL TIMES

The perfect solution for you is always at hand with Finder detectors, thanks to our wide range and flexible applications.





false ceiling mounting



Kit for recessed ceiling mounting



Kit for recessed wall mounting



(adjustable) Kit for wall mounting



Custom fit beam limiter

ADVANTAGES FOR THE USER

finder

- Convenient and safe in any type of environment
- Energy saving and cost-effective
- Quality and reliability Made in Italy
- Compact and essential design



ADVANTAGES FOR THE INSTALLER

- Ultra-quick set up with the APP (only for type 18.51.8.230.B300)
- Finder quality assured
- Installation flexibility: ceiling, wall and recessed mounting options (boxes ø60 mm, 2 and 3 modules)
- Products available in Bluetooth, KNX and DALI versions

SELECTION OF PROGRAMMING TECHNOLOGY

Presence detectors are available in programmable versions with KNX, DALI or Bluetooth technology - the latter requires downloading the free APP **Finder Toolbox Plus** for iOS and Android devices.



18.51

Ceiling-mounted version

Recessed version 18.51



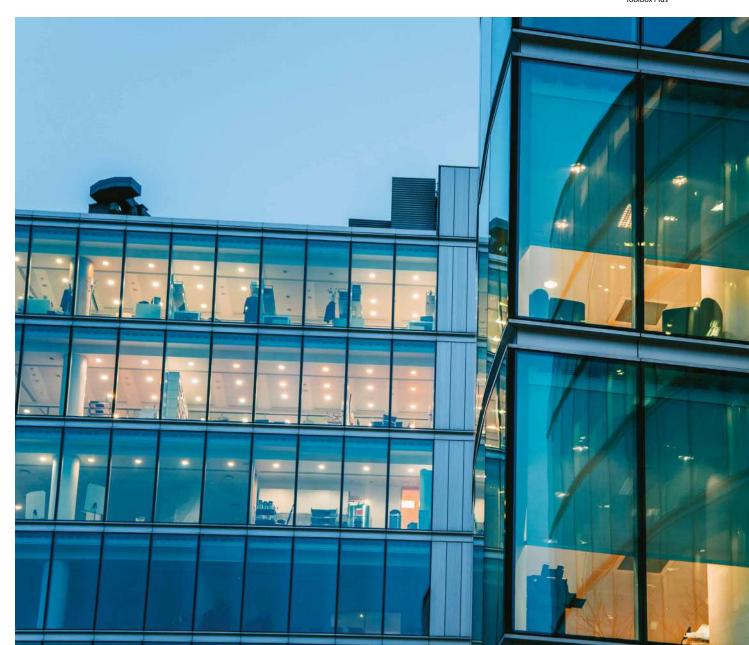


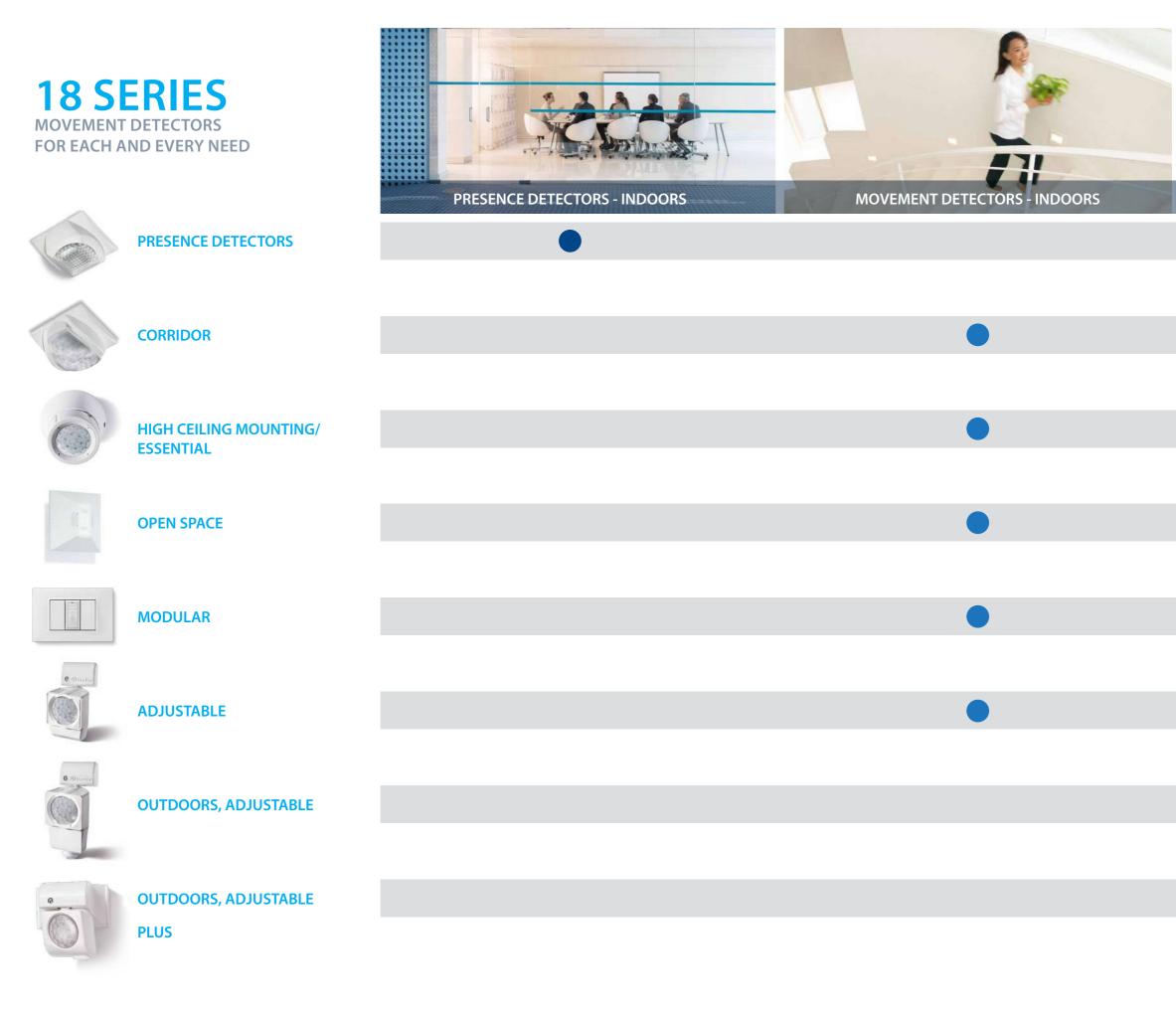
😵 Bluetooth

Programmable and settable via Bluetooth technology through the APP FINDER TOOLBOX PLUS Available for iOS and Android devices









finder









LIGHT AT THE RIGHT TIME FOR A BUSY MULTI-FUNCTION, MULTI-PURPOSED BUILDING







ESSENTIAL Garages, cellars Type 18.21



CORRIDOR

Areas up to 30m x 4m



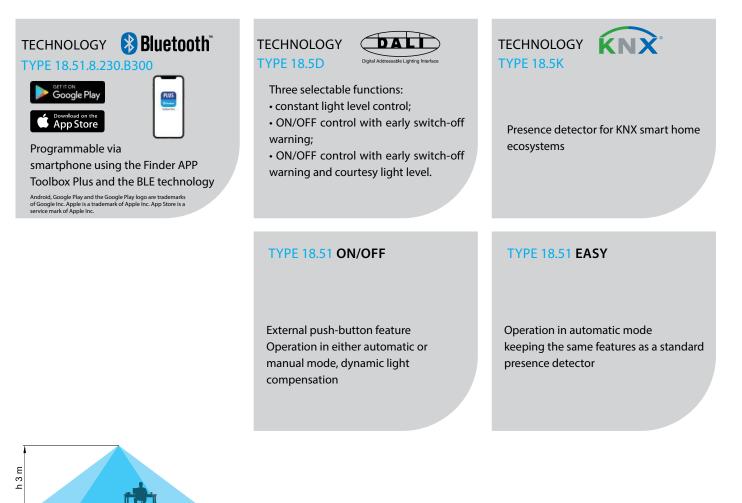
PRESENCE DETECTORS

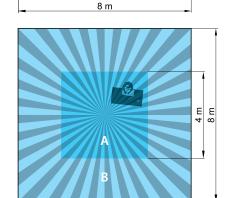
All presence detectors from the 18.5x series are designed to sense micro movements. They are the ideal solution in offices, conference rooms, classrooms and generally in all places where the need exists to keep the lights on while people are in them. With their compact and functional design, these products are

perfect for any indoor ceiling-mounting application. Looking exactly the same from the outside, they feature version-specific internal technology to offer five different versions.



SELECT THE VERSION OUT OF THE FIVE AVAILABLE OPTIONS TO CREATE YOUR IDEAL SYSTEM:





4 m

Detection area (all 18.5x models)

- Zone "A": sensing of micro movements (presence)
- Zone "B": sensing of wider movements (movement)

Settable

ambient light

threshold



Easy to

install and

programme







Kit for false ceiling mounting



Kit for recessed mounting



Suitable for

LED lights

as well





Built-in light

dependent

sensor





Settable light Custon OFF delay lir

Custom fit beam limiter



BLUETOOTH TECHNOLOGY

TYPE 18.51.8.230.B300

Bluetooth LE (Low Energy) technology enables easy detector setup using a smartphone with either Android or iOS operating system.

Install 18.51 and then download the free application Finder Plus from the official Google and Apple stores, and finally set all the parameters.



😵 Bluetooth

Specifications

- Detection area up to 64 sq.m: movement detection 8x8 m, presence detection 4x4 m
- Power supply voltage: 110 to 230 V AC (50/60Hz)
- Ambient light threshold range: 4 lx to 1000 lx
- Light OFF delay from 12 s to 25 min
- 1 NO contact, 10A
- · Push-in terminals for quick and safe wiring
- Ceiling, false ceiling or recessed mounting
- Ambient temperature range: -10 to +50°C



App Store

Detectors may be re-named to more easily associate them with their location.

The following parameters may be set: light level between 4 lux to 1000 lux, delay time from 12 seconds to 25 minutes, and reading sensitivity on three levels.

Whenever a connection is made to a detector, a red LED confirms correct linking and all the set values are thereby shared. The detector responds with two feedback values: the light level read by the light sensor fitted on the device and the status of the contact, whether closed (ON) or open (OFF).

For security reasons, the detectors can also be locked with a selector switch and a 4-digit PIN to prevent the parameters from being changed by unauthorized users.



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finder

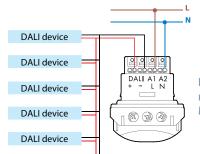
DALITECHNOLOGY

TYPE 18.5D.8.230.0000

Detector with DALI technology and three selectable options: Constant light level control;

ON/OFF control with early switch-off warning;

ON/OFF control with early switch-off warning and courtesy light level.



Programmable via DALI interface: possibility to connect up to 8 devices

Broadcast mode connection Max. 8 DALI device



Digital Addressable Lighting Interfac

presence detection 4x4 m

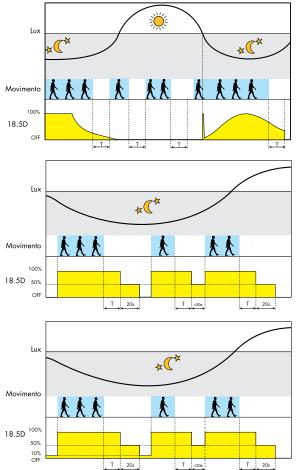
Specifications

• Power supply voltage: 110 to 230 V AC (50/60Hz)

Three selectable functions: Comfort, Simplicity & Courtesy
Detection area up to 64 sq.m: movement detection 8x8 m,

- Ambient light threshold range: 10 lx to 800 lx
- Light OFF delay: 10 s to 35 min
- Push-in terminals for quick and safe wiring
- Ceiling, false ceiling or recessed mounting
- Ambient temperature range: -10 to +50°C

Functions



Comfort - Constant light level control

This product is designed to set the light level and keep it constant, based on movement detection and daylight - the power of artificial light is either increased or reduced as appropriate.

It is suitable for small offices, classrooms or workplaces. Remarkable energy saving and enhanced comfort are guaranteed.

Simplicity - ON/OFF control with early switch-off warning This product is designed to work as a simple movement detector and to switch the lights on at 100% power. It will warn of a pending switch-off by reducing the lighting level to 50% for 20 seconds.

Courtesy

ON/OFF control with early switch-off warning and courtesy light level If the light level is lower than the stored setpoint, artificial light is activated at 10% power so as to provide for a minimum lighting level. When movement is detected, the power

of the lights is set at 100%. It will warn of a pending switch-off by reducing the lighting level to 50% for 20 seconds, suitable for common areas, lobbies, corridors, elevator zones.



KNX TECHNOLOGY TYPE 18.5K.9.030.0001

The KNX protocol is the most popular international standard for device connection in smart home ecosystems. It is designed for use in residential or industrial buildings to implement flexible systems that are energy efficient and comfortable.

Model 18.5K PRO is KNX-certified and it is perfect for integration in KNX smart home systems.

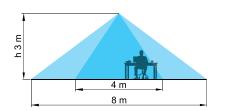


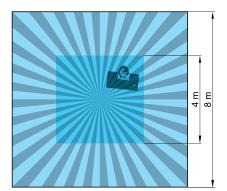


- Programmable via an interface KNX
- Up to 5 outputs
- HVAC management
- Dynamic Constant Light Regulation (it can be set even without initial calibration)
- Brightness sensor calibration
- Master/Slave connection to expand the detection area
- Detection area up to 64 sq.m: movement detection 8x8 m, presence detection 4x4 m
- Ambient light threshold range: 1 lx to 1500 lx
- Light OFF delay: 0.1 s to 18 h
- Suspended ceiling, recessed and surface mounting
- Ambient temperature range: -5 to +45°C
- Logic gates
- Cyclical sending LUX and percentage of engaged area
- TÜV approval



<u>User Manual</u>



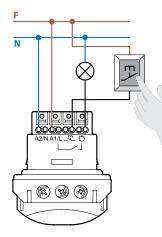




EASY TYPE 18.51.8.230.0300



EASY & ON/OFF detectors



These detectors share the same basic functions, but the ON/OFF model is supplied with an external push-button input to override the current lighting state when needed.

TYPE 18.51.8.230.0040

ON/OFF

EASY & ON/OFF detector specifications

- Detection area up to 64 sq.m: movement detection 8x8 m, presence detection 4x4 m
- Ambient light threshold range: 1 lx to 500 lx
- · Light OFF delay: 12 s to 35 min
- · Push-in terminals for quick and safe wiring
- Ceiling, false ceiling or recessed mounting
- Ambient temperature range: -10 to +50°C

ON/OFF - manual mode using external push-button

While operating in "Automatic" mode, the current lighting state can be overridden by pressing an external push-button.

"Manual" mode is active until the timing after the last detected movement has elapsed.

When pressed, the push-button always reverses the status of the contact.

Dynamic light compensation

This function is designed for the ON/OFF model to take into account the ambient light level when the lights are switched on in "Automatic" mode and to contribute to the max. energy saving possible.

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Model 18.51 automatically switches the lights on when the light level is low and movement is detected.

It switches them off when nobody is in the workplace for enhanced energy saving.

OVERRIDDEN SWITCH-ON



The push-button is used to override light switch-on, when needed.







MOVEMENT DETECTORS

Movement detectors are designed to detect when light is needed in all transit or service areas such as staircases, corridors, washrooms and garages for safe and comfortable access.

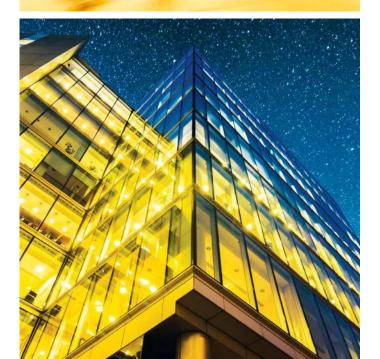
They are fit for any and all mounting options: ceiling, false ceiling, wall and recessed, and their design is perfectly integrated in all contexts.













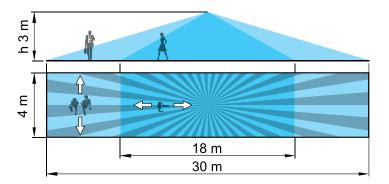
SPECIAL DETECTORS CORRIDOR TYPE 18.41.8.230.0300

Specific product for rooms and areas up to 30 metres long x 4 metres wide, such as corridors and common areas of passage.



Specifications

- Ambient light threshold range: 1 lx to 500 lx
- Light OFF delay: 12 s to 35 min
- · Push-in terminals for quick and safe wiring
- Ceiling, false ceiling or recessed mounting
- Ambient temperature range: -10 to +50°C
- 1 NO contact, 10A 230V
- Nominal lamp rating 230V:
 - incandescent/halogen W: 1000
 - fluorescent lamp with electronic ballast W: 500
 - fluorescent lamp with electro-magnetic ballast W: 350
 - CFL W: 300
 - LED 230V W: 300
 - halogen or LV LED w/ electronic ballast W: 300
 - halogen or LV LED w/ electro-magnetic ballast W: 500
- AgSnO₂ contacts



Detection area



install and

programme



Kit for ceiling mounting

Kit for false ceiling

mounting



Kit for recessed mounting



Suitable for LED lights as well



Built-in light dependent sensor



Settable light

OFF delay



SPECIAL DETECTORS CORRIDOR - KNX TYPE 18.4K.9.030.0000

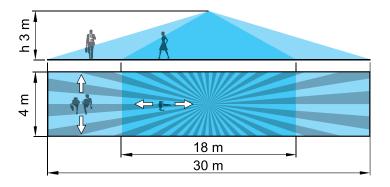
This model has the same functions as type 18.41, in addition to which it can be integrated in a KNX system. The KNX protocol is the most popular international standard for device connection in smart home ecosystems. It is designed for use in residential or industrial buildings to implement flexible systems that are energy efficient and comfortable.





Specifications

- Power supplied through KNX bus
- Detection area 120 sq.m: 30x4 m
- Two areas and two sensors independent and separate
- Independent setup of movement detection sensitivity in each area
- Independent digital outputs for each sensor/area to identify the direction of movement
- Light level sensor
- Master/Slave connection to expand the detection area
- Compatible with ETS 4 (or higher)



Detection area

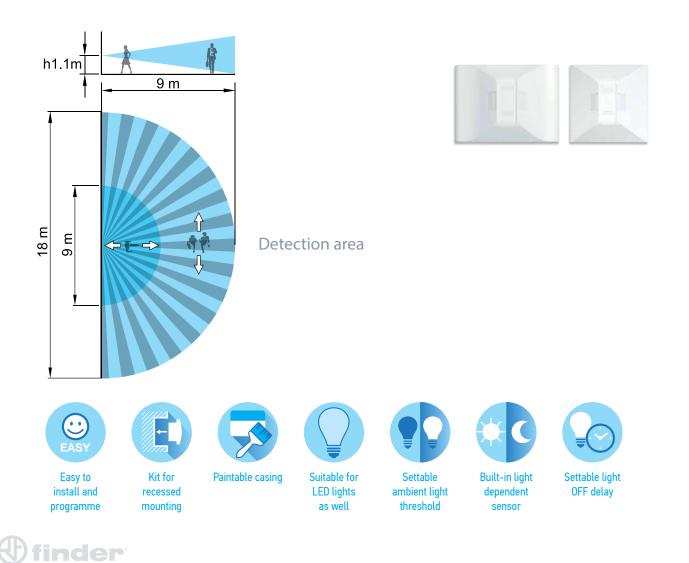


RECESSED DETECTORS OPEN SPACE TYPE 18.61.8.230.0300

This model is the ideal solution for wall mounted applications. The two-lens design expands the detection area to 180° and the diameter up to 18 metres. It is compatible with 60 mm junction boxes and box types 502 and 503.



- Detection area up to 120 sq.m: 9 metre detection in all directions plus 9 additional metres sideways
- Ambient light threshold range: 1 lx to 500 lx
- Light OFF delay: 12 s to 35 min
- Push-in terminals for quick and safe wiring
- Wall mounted
- Ambient temperature range: -10 to +50°C





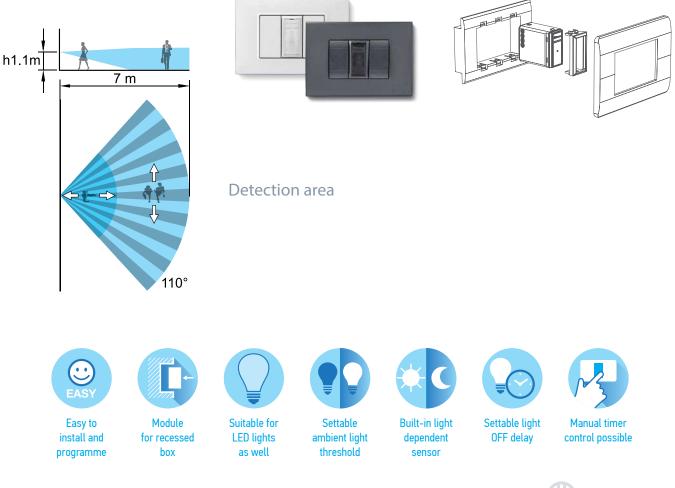
RECESSED DETECTORS MODULAR

TYPE 18.91.8.230.0040 White TYPE 18.91.8.230.0042 Anthracite grey

Compact, versatile and unobtrusive, this detector can be mounted in a type 503 box and is compatible with the most popular wiring systems: AVE, BTicino, Gewiss, Simon-Urmet, Vimar thanks to the adapters that are supplied as standard with the product.



- Detection angle up to 110 degrees; detection range up to 7 metres
- Ambient light threshold range:
 - 5 lx to 500 lx (anthracite grey)
 - 6 lx to 600 lx (white)
- 1 output with "zero crossing" switching
- Light OFF delay: 10 s to 20 min
- Screw terminals
- Recessed mounting
- Ambient temperature range: -10 to +50°C
- · Available in colours anthracite grey and white
- Suitable for connection to an external override pushbutton



ESSENTIAL

TYPE 18.21, ceiling mounting TYPE 18.31, false ceiling mounting



ESSENTIAL (ceiling-mounting)



ESSENTIAL (false ceiling-mounting)

The differentiating element of these two detectors is the mounting: one is for ceiling mounting and the other is for recessed or false ceiling mounting.

- Detection area up to 50 sq.m: detection diameter 5 metres in all directions plus 3 additional metres for sideways movement detection
- Ambient light threshold range: 5 lx to 350 lx
- Light OFF delay: 10 s to 12 min
- Screw terminals
- Ceiling, false ceiling or recessed mounting
- Ambient temperature range: -10 to +50°C
- 1 NO contact, 10A 230V
- Nominal lamp rating 230V
 - incandescent/halogen W: 1000
 - fluorescent lamp with electronic ballast W: 500
 - fluorescent lamp with electro-magnetic ballast W: 350
 - CFL W: 300
 - LED 230V W: 300
 - halogen or LV LED with electronic ballast W: 300
 - halogen or LV LED with electro-magnetic ballast W: 500
- AgSnO₂ contacts



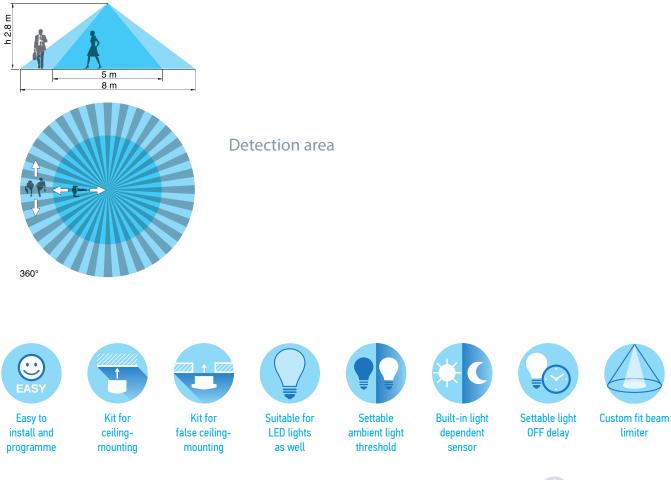
THE ESSENTIAL MODEL OFFERS SIX DIFFERENT VERSIONS.

18.21 CEILING MOUNTING

Type 18.21.8.230.0000 - 120 to 230 V AC, (50/60Hz) live contact Type 18.21.8.230.0300 - 120 to 230 V AC, (50/60Hz) volt-free contact Type 18.21.0.024.0300 - 24 V AC (50/60Hz)/DC volt-free contact

18.31 FALSE CEILING / RECESSED MOUNTING

Type 18.31.8.230.0000 - 120 to 230 V AC, (50/60Hz) live contact Type 18.31.8.230.0300 - 120 to 230 V AC, (50/60Hz) volt-free contact Type 18.31.0.024.0300 - 24 V AC (50/60Hz)/DC volt-free contact



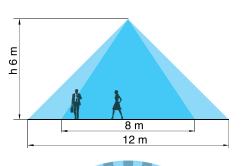
SPECIAL DETECTORS FOR HIGH CEILING

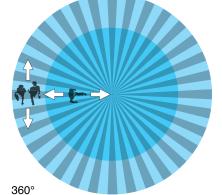
TYPE 18.31.8.230.0031

This product was specifically designed for rooms with a high ceiling (up to 6 m).



- Detection area up to 110 sq.m: detection diameter 5 metres in all directions plus 4 additional metres for sideways movement detection
- Ambient light threshold range: 5 lx to 350 lx
- Light OFF delay: 30 s to 35 min
- Screw terminals
- · Ceiling, false ceiling or recessed mounting
- Ambient temperature range: -10 to +50°C





Detection area

 \odot Easy to

install and

programme



Kit for

ceiling-

mounting



Kit for

mounting



Suitable for LED lights as well



Settable ambient light threshold







OFF delay

Custom fit beam limiter



ADJUSTABLE TYPE 18.01.8.230.0000

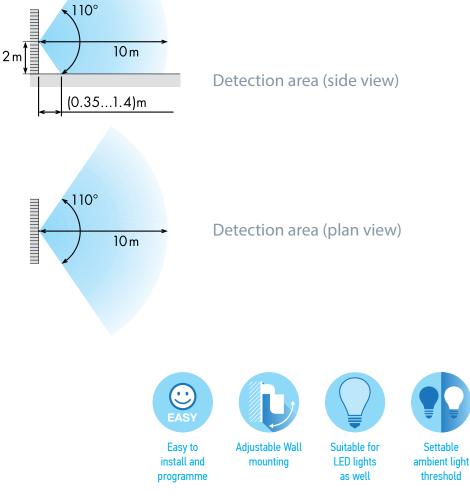
Wall mounted and directionally adjustable

C (1) Hoder



- Detection angle up to 110 degrees; detection range up to 10 metres
- Ambient light threshold range: 5 lx to 350 lx
- Light OFF delay: 10 s to 12 min
- Screw terminals
- Wall-mounting
- Ambient temperature range: -10 to +50°C





Built-in light

dependent

sensor



finder



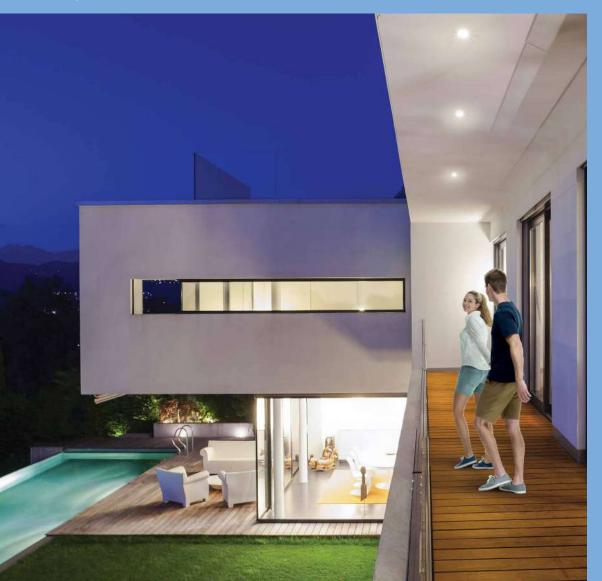
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OUTDOOR DETECTORS

Functionality and comfort guaranteed in outdoor, wet or damp spaces, including garages, cellars, washrooms and changing rooms in gyms.

These detectors are the ideal solution for wall-mounting and they are adjustable.







OUTDOORS - ADJUSTABLE

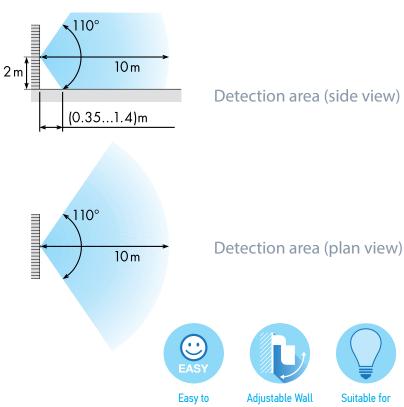
TYPE 18.11.8.230.0000

This movement detector has a clean and functional design and is suitable for outdoor applications.



Specifications

- Detection angle 110 degrees; detection range up to 10 metres
- Ambient light threshold range: 5 lx to 350 lx
- Light OFF delay: 10 s to 12 min
- Screw terminals
- Wall-mounting, outdoors
- Ambient temperature range: -30 to +50°C
- Level of protection IP 54
- 1 NO contact, 10A 230V
- Nominal lamp rating 230V:
 - incandescent/halogen W: 1000
 - fluorescent lamp with electronic ballast W: 500
 - fluorescent lamp with electro-magnetic ballast W: 350
 - CFL W: 300
 - LED 230V W: 300
 - halogen or LV LED with electronic ballast W: 300
 - halogen or LV LED with electro-magnetic ballast W: 500
- AgSnO₂ contacts



mounting







dependent

sensor



Settable light OFF delay





finder

install and programme



as well



ambient light threshold

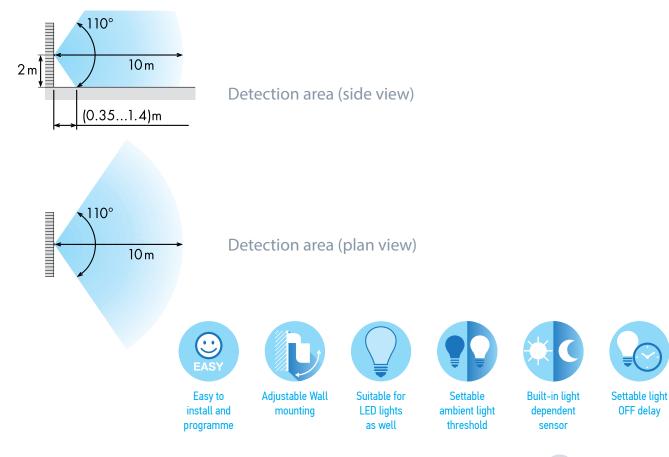
OUTDOORS - ADJUSTABLE PLUS

TYPE 18.A1.8.230.0000

The compact body of this outdoor detector makes it the perfect solution for quick and efficient mounting.



- Detection angle 110 degrees; detection range up to 10 metres
- Ambient light threshold range: 5 lx to 1000 lx
- Light OFF delay: 10 s to 20 min
- Push-in terminals for quick and safe wiring
- Wall-mounting, outdoors
- Ambient temperature range: -30 to +50°C
- Level of protection IP 55
- 1 NO contact, 10A 230V
- Nominal lamp rating 230V:
 - incandescent/halogen W: 1000
 - fluorescent lamp with electronic ballast W: 500
 - fluorescent lamp with electro-magnetic ballast W: 350
- CFL W: 300
- LED 230V W: 300
- halogen or LV LED with electronic ballast W: 300
- halogen or LV LED with electro-magnetic ballast W: 500
- AgSnO, contacts







findernet.com