

PIR movement and presence detectors 10 A



Hotel room energy management systems



Offices, swimming baths and schools



Staircase light control



Lighting control in corridors (for hotels, offices and hospitals)



18 SERIES



PIR movement detectors for internal or external installations - wall mounting

Type 18.01

- Internal installation
- Surface mounting

Type 18.11

- External installation (IP54)
- Surface mounting

Type 18.A1

- External mounting (IP55)
- Terminal for PE connection
- Push-in terminals
- Output contact connected to supply live
- Small size
- Adjustable ambient light intervention threshold
- Adjustable Light ON Time
- Universal mounting position permits the selection of any area for survey
- Wide angle of survey

18.01/18.11 Screw terminal



18.A1

NOTE: with 110...125 V AC supply, the Ratings (AC1, AC15 and lamp loads) must be reduced by 50 % (e.g. 500 W instead of 1000 W)

18.01



- 1 NO 10 A
- Internal installations

18.11



- 1 NO 10 A
- External installations
- Protection category IP 54





- 1 NO 10 A
- External installations
- Protection category IP 55
- PE terminal
- Push-in terminals

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For outline drawings see page 18	3			
Contact specification				
Number of contacts		1 NO (SPST-NO)	1 NO (SPST-NO)	1 NO (SPST-NO)
Rated current/Maximum peak cu	urrent A	10/20 (100 A - 5 ms)	10/20 (100 A - 5 ms)	10/20 (100 A - 5 ms)
Rated voltage/				
Maximum switching voltage	V AC	230/230	230/230	230/230
Rated load AC1	VA	2300	2300	2300
Rated load AC15	(230 V) VA	450	450	450
Nominal lamp rating 230 V:				
incande	scent/halogen W	1000	1000	1000
fluores	cent lamp with			
ele	ectronic ballast W	500	500	500
	cent lamp with			
electrom	agnetic ballast W	350	350	350
	CFL W	300	300	300
LED 230 V W		300	300	300
halogen or LV LED with				
electronic ballast W		300	300	300
halogen or LV LED with electromagnetic ballast W		500	500	500
Standard contact material		AgSnO ₂	AgSnO ₂	AgSnO ₂
Supply specification		/\g5\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Agano ₂	/ ig5i102
Coil specification	V AC (50/60 Hz)	120230	120230	110230
con specification	DC	120230	120230	110230
Rated power AC/DC	VA (50 Hz)/W	2.5/—	2.5/—	2/0.8
<u> </u>			96253	96253
Operating range	V AC (50/60 Hz)	96253	90253	90253
Technical data	DC	_	_	_
		100 103	100 103	400 403
Electrical life at rated load AC1	cycles	100 · 10 ³	100 · 10 ³	100 · 10 ³
Ambient light intervention thres		5350	5350	51000
Light ON time after last detectio	n	10 s12 min	10 s12 min	10 s20 min
Sensing area		See diagram page 15	See diagram page 15	See diagram page 15
Ambient temperature range	°C	-10+50	-30+50	-30+50
Protection category		IP 40	IP 54	IP 55
Approvals (according to type)		C€ E	EHE @	C€ FR EUI



PIR movement detectors for internal installations - ceiling mount

Type 18.21

- Surface mounting

Type 18.31

- Recess mounting

Type 18.31-0031

- High ceiling type (6 meter max.)
- Surface or recess mounting
- Output contact connected to supply live
- Small size
- Adjustable ambient light intervention threshold
- Adjustable Light ON Time
- Wide angle of survey

18.21/18.31/18.31...0031 Screw terminal



NOTE: with 110...125 V AC supply, the Ratings (AC1, AC15 and lamp loads) must be reduced by $50\,\%$ (e.g. $500\,W$ instead of $1000\,W)$

For outline drawings see page 18





- 1 NO 10 A
- Surface mounting

18.31



- 1 NO 10 A
- Recess mounting

18.31-0031



- 1 NO 10 A
- High ceiling applications (up to 6 meters)
- Light ON time after last detection (30 s...35 min)

Contact specification				
Number of contacts		1 NO (SPST-NO)	1 NO (SPST-NO)	1 NO (SPST-NO)
Rated current/Maximum peak current A		10/20 (100 A - 5 ms)	10/20 (100 A - 5 ms)	10/20 (100 A - 5 ms)
Rated voltage/				
Maximum switching voltage	V AC	230/230	230/230	230/230
Rated load AC1	VA	2300	2300	2300
Rated load AC15	(230 V) VA	450	450	450
Nominal lamp rating 230 V:				
incande	escent/halogen W	1000	1000	1000
	cent lamp with ectronic ballast W	500	500	500
fluores	cent lamp with			
electrom	agnetic ballast W	350	350	350
	CFL W	300	300	300
	LED 230 V W	300	300	300
3	or LV LED with			
	ectronic ballast W	300	300	300
_	or LV LED with agnetic ballast W	500	500	500
Standard contact material	lagrietic Dallast W	AgSnO ₂	AgSnO ₂	AgSnO ₂
Supply specification		Ag51102	AgSiiO ₂	Ag3iiO ₂
Coil specification	V AC (50/60 Hz)	120230	120230	120230
Con specification	DC	120230	120230	120230
Rated power AC/DC	VA (50 Hz)/W	2/1	2/1	2/1
Operating range	V AC (50/60 Hz)	96253	96253	96253
Operating range	DC	70233	50255	30233
Technical data	DC			
Electrical life at rated load AC1	cycles	100 · 10³	100 · 10³	100 · 10³
Ambient light intervention thres	shold lx	5350	5350	5350
Light ON time after last detectio	n	10 s12 min	10 s12 min	30 s35 min
Sensing area		See diagram page 15	See diagram page 15	See diagram page 15
Ambient temperature range	°C	-10+50	-10+50	-10+50
Protection category		IP 40	IP 40	IP 40
Approvals (according to type)		C€ C	SERE ®	C€ KR EHE

PIR movement detectors for internal installations, with volt-free output contact

Type 18.21-0300

- Surface mounting

Type 18.31-0300

- Recess mounting
- Applications where interface to PLC or BMS is required
- Ceiling mounting
- Small size
- Adjustable ambient light intervention threshold
- Adjustable Light ON Time
- Wide angle of survey

18.21...0300/18.31...0300 Screw terminal



NOTE: with 110...125 V AC supply, the Ratings (AC1, AC15 and lamp loads) must be reduced by 50 % (e.g. 500 W instead of 1000 W)

For outline drawings see page 17

18.21-0300



- 1 NO 10 A
- Surface mounting



finder



- 1 NO 10 A
- Recess mounting

For outline drawings see	page 17		
Contact specification			
Number of contacts		1 NO (SPST-NO)	1 NO (SPST-NO)
Rated current/Maximum	peak current A	10/20 (100 A - 5 ms)	10/20 (100 A - 5 ms)
Rated voltage/	age V AC	250/400	250/400
Maximum switching volt	age V AC	250/400	250/400
Rated load AC1		2500	2500
Rated load AC15	(230 V) VA	450	450
Nominal lamp rating 230	v: ncandescent/halogen W	1000	1000
	fluorescent lamp with	1000	1000
	electronic ballast W	500	500
	fluorescent lamp with		
el	ectromagnetic ballast W	350	350
	CFL W	300	300
	LED 230 V W	300	300
h	alogen or LV LED with		
electronic ballast W		300	300
	alogen or LV LED with	500	500
Standard contact materia	ectromagnetic ballast W	500	500
	NI	AgSnO ₂	AgSnO ₂
Supply specification			
Coil specification	V AC (50/60 Hz)	120230	120230
	V AC (50/60 Hz)/DC	24	24
Rated power AC/DC	VA (50 Hz)/W	2/1	2/1
Operating range	V AC (50/60 Hz)	96253	96253
	V AC (50/60 Hz)/DC	19.226.4	19.226.4
Technical data			
Electrical life at rated load	d AC1 cycles	100 · 10 ³	100 · 10³
Ambient light intervention	on threshold lx	5350	5350
Light ON time after last d	etection	10 s12 min	10 s12 min
Sensing area		See diagram page 15	See diagram page 15
Ambient temperature rar	nge °C	-10+50	-10+50
Protection category		IP 40	IP 40
Approvals (according to	type)	CE	PR EUC

18 SERIES PIR movement and presence detectors 10 A



Movement and presence detectors with **Push-in terminals** For internal installation

Type 18.51

- Standard version
- Volt-free output contact

Type 18.51-0040

- Possibility to connect external push-button to force the output state
- Dynamic light compensation
- Output contact connected to supply live

Type 18.51-B300

- Programmable via Bluetooth LE (Low Energy) using Android and iOS smartphones
- Extensive sensing area up to 64 m²
- Two sensing areas:
- "presence" suitable for zones of low activity, and "movement" suitable for transit areas or zones of high activity
- Modern design
- Quick installation thanks to push-in terminals
- 1 NO contact 10 A, with "zero crossing" switching
- Wall mounting compatible with 60 mm box and 2 or 3 module box
- Double terminals for easy "looping" in and out

18.51/18.51...0040/18.51...B300 Push-in terminal



NOTE: with 110...125 V AC supply, the Ratings (AC1, AC15 and lamp loads) must be reduced by 50 % (e.g. 500 W instead of 1000 W)

For outline drawings see page 17

18.51





- 1 NO 10 A (volt-free)
- Sensing area 360°







- 1 NO 10 A (connected to supply live)
- Sensing area 360°
- External push-button connection
- Dynamic Light Compensation









- 1 NO 10 A (volt-free)
- Sensing area 360°

Contact specification				
Number of contacts		1 NO (SPST-NO)	1 NO (SPST-NO)	1 NO (SPST-NO)
Rated current/Maximum peak current A		10/20 (100 A - 5 ms)	10/20 (100 A - 5 ms)	10/20 (100 A - 5 ms)
Rated voltage/				
Maximum switching voltage	/ AC	250/400	230/230	230/230
Rated load AC1	VA	2500	2300	2300
Rated load AC15 (230 \) VA	450	450	450
Nominal lamp rating 230 V:				
incandescent/haloge	n W	1000	1000	1000
fluorescent lamp wi	:h			
electronic balla		500	500	500
fluorescent lamp wi				
electromagnetic balla		350	350	350
C	LW	300	300	300
LED 230		300	300	300
halogen or LV LED wi				
electronic ballast W		300	300	300
halogen or LV LED with				
electromagnetic ballast W		500	500	500
Standard contact material		AgSnO ₂	AgSnO ₂	AgSnO ₂
Supply specification				
Coil specification V AC (50/60		110230	110230	110230
Rated power VA (50 H		1.5/1	1.5/1	1.5/1
Operating range V AC (50/60	Hz)	96253	96253	96253
Technical data				
	cles	100 · 10³	100 · 10³	100 · 10³
Ambient light intervention threshold	lx	1500	1500	41000
Light ON time after last detection		12 s35 min	12 s35 min	12 s25 min
Sensing area		See diagram page 15	See diagram page 15	See diagram page 15
Ambient temperature range	°C	-10+50	-10+50	-10+50
Protection category		IP 40	IP 40	IP 40
Approvals (according to type)		(€ ﷺ	EAL 🛆	(€ к 🎍



Movement and presence detectors with Push-in terminals. For internal installation.

Type 18.5D with DALI interface

Three selectable functions:

- Daylight-linked constant light level control
- ON/OFF control with early warning
- ON/OFF control with early warning + courtesy light level

Type 18.4K and 18.5K with KNX interface

- 5 outputs (datapoint) for load control (Lighting, HVAC etc.)
- Adjustment of ambient light threshold, and PIR sensitivity
- 1 output (datapoint) master/slave detection
- Selectable function to inhibit ambient light threshold control
- Reporting of light level and movement status (for security purposes, etc.)
- Detection of movement direction (type 18.4K)
- Internal ceiling mounting
- Suitable for ETS 4 (or latest versions)

18.5D Push-in terminal



18.4K/18.5K KNX terminal







DALI

18.4K.9.030.0001 (IFM) 18.5K.9.030.0001





KNX





- · Applications: offices, schools, zones of low activity
- Suitable for direct control of up to 8 DALI lighting ballasts
- Extensive sensing area up to 64 m^2
- Two sensing areas: "presence" suitable for zones of low activity, and "movement" suitable for transit areas or zones of high activity
- Applications: hotel and offices corridors, transit areas
- Sensing area 30 meters length and 4 meters width
- Two detection areas: right and left
- Dynamic light regulation
- Logic gates
- Up to 5 outputs
- Applications: offices, schools, zones of low activity
- Extensive sensing area up to
- Dynamic light regulation
- Logic gates
- Up to 5 outputs

For outline	drawings	see	page	17
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Supply specification				
	AC (50/60 Hz)	110230	_	_
Rated power	VA (50 Hz)/W	1.5/1	-	_
Operating range V	AC (50/60 Hz)	96253	_	_
Supply specification				
Type of BUS			KNX	KNX
Supply voltage	V DC	_	30	30
Rated consumption mA		_	10	10
Technical data				
Ambient light intervention threshold	d lx	10800	11500	11500
Light ON time after last detection		10 s35 min	0.1 s18 h	0.1 s18 h
Sensing area		See diagram page 15, 16	See diagram page 15, 16	See diagram page 15, 16
Ambient temperature range	°C	-10+50	-5+45	−5…+45
Protection category		IP 40	IP 40	IP 40
Approvals (according to type)		CE FR	CE CK	(€ к Д



Movement detectors with Push-in terminals For internal installation - with volt-free output contact

Type 18.41

- Corridor (ceiling) installation

Type 18.61

- Wall mount installation
- Extensive sensing area up to 120 m²
- Modern design
- Quick installation thanks to push-in terminals
- 1 NO contact 10 A, with "zero crossing" switching
- Wall mounting compatible with 60 mm box and 2 or 3 module box
- Double terminals for easy "looping" in and out

18.41/18.61 Push-in terminal



NOTE: with 110...125 V AC supply, the Ratings (AC1, AC15 and lamp loads) must be reduced by 50 % (e.g. $500 \, \text{W}$ instead of $1000 \, \text{W}$)

18.41





- 1 NO 10 A
- Applications: hotel and offices corridors, transit areas
- Sensing area 30 meters length and 4 meters width

18.61



- 1 NO 10 A
- Specifically for wall mounting
- Wide angle: 180°
- Wall mounting compatible with 60 mm box

For outline drawings see page 17

Contact specification

Contact specification			
Number of contacts		1 NO (SPST-NO)	1 NO (SPST-NO)
Rated current/Maximum peak curre	ent A	10/20 (100 A - 5 ms)	10/20 (100 A - 5 ms)
Rated voltage/			
Maximum switching voltage	V AC	250/400	250/400
Rated load AC1	VA	2500	2500
Rated load AC15	VA	450	450
Nominal lamp rating 230 V:			
incandesce	ent/halogen W	1000	1000
	it lamp with		
	ronic ballast W	500	500
	it lamp with	350	250
electromagi	netic ballast W	350	350
	CFL W	300	300
	LED 230 V W	300	300
3	LV LED with ronic ballast W	300	300
	LV LED with	300	300
	netic ballast W	500	500
Standard contact material		AgSnO₂	AgSnO ₂
Supply specification			_
Coil specification V	AC (50/60 Hz)	110230	110230
Rated power	VA (50 Hz)/W	1.5/1	1.5/1
Operating range V	AC (50/60 Hz)	96253	96253
Technical data			
Electrical life at rated load AC1	cycles	100 · 10³	100 · 10³
Ambient light intervention thresho	ld lx	1500	1500
Light ON time after last detection		12 s35 min	12 s35 min
Sensing area		See diagram page 15	See diagram page 15
Ambient temperature range	°C	-10+50	-10+50
Protection category		IP 40	IP 40
Approvals (according to type)		C € KH EHI △	C€ FR EUE

Movement detectors for internal installation

Type 18.91

- Wall mount installation
- External push-button connection
- Modern design
- 1 output with "zero crossing" switching
- Wall mounting compatible with 3 module housing, complete with adaptor for following frames:
- Ave S44
- BTicino series Axolute
- BTicino series Living
- BTicino series Living Light
- BTicino series Living Light Air
- BTicino series Matix
- Gewiss series Chorus
- Gewiss series System
- Simon Urmet Nea
- Vimar series Eikon
- Vimar series Idea
- Vimar series Arkè
- Vimar Plana
- White or black versions

18.91 Screw terminal









- Specifically for wall mounting
- Wide angle: 110°
- Applications: corridors, transit areas, toilets, staircases

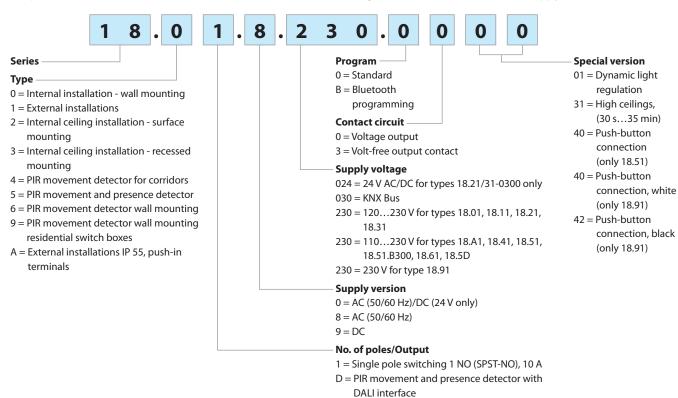
For outline drawings see page 18

Output data		
Rated voltage	V AC	230
Power max.	200	
Power min.	W	3
Nominal lamp rating 230 V:		
inc	andescent/halogen W	200
toroidal electroma	gnetic transformers for LV halogen W	200
F-core electroma	agnetic transformers	200
E core electronic	for LV halogen W	200
electronic tra	nsformers (ballasts)	
	for LV halogen W	200
compa	200	
	200	
elec		
	200	
Supply specification		
Nominal voltage (U _N)	V AC (50/60 Hz)	230
Rated power	VA(50Hz)/W	14/0.5
Operating range		(0.81.1)U _N
Technical data		
Ambient light intervention	threshold lx	5500 (black)/6600 (white)
Light ON time after last det	10 s20 min	
Sensing area	See diagram page 15	
Ambient temperature range	-10+50	
Protection category		IP 20
Approvals (according to ty	pe)	C€ FR



Ordering information

Example: 18 series, PIR movement detector for internal installations, wall mounting, 1 NO 10 A contact, 120...230 V AC supply.



interface

18.01.8.230.0000	18.31.0.024.0300	18.41.8.230.0300
18.11.8.230.0000	18.31.8.230.0000	18.51.8.230.0300
18.21.0.024.0300	18.31.8.230.0300	18.51.8.230.0040
18.21.8.230.0000	18.31.8.230.0031	18.51.8.230.B300
18.21.8.230.0300		18.61.8.230.0300
		18.91.8.230.0040
		18.91.8.230.0042
		18.A1.8.230.0000
		18.5D.8.230.0000
		18.4K.9.030.0001
		18.5K.9.030.0001

K = PIR movement and presence detector with KNX

Technical data

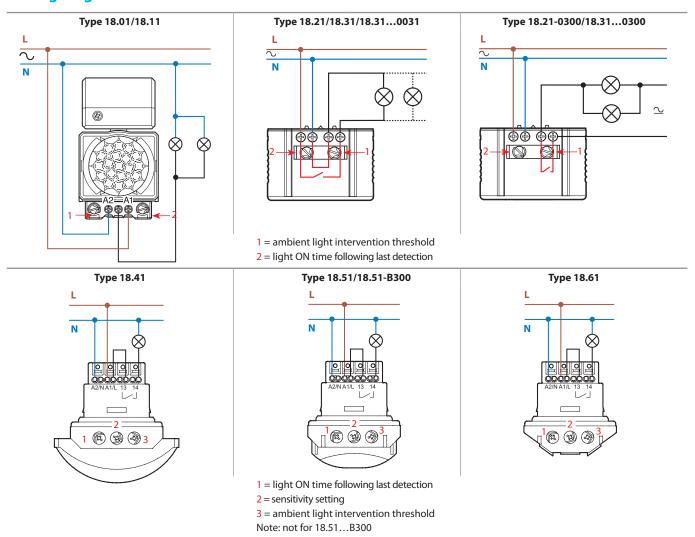
Insulation							
Dielectric strength between open contacts V AC					1000 (except for type 18.91 TRIAC output)		
Between supply and contact			V AC	1500 (types 18.	1500 (types 18.210300, 18.310300, 18.41, 18.51, 18.61)		
EMC specifications							
Type of test		Reference stand	dard				
Electrostatic discharge	contact discharge	EN 61000-4-2		4 kV			
	air discharge	EN 61000-4-2		8 kV			
Radiated electromagnetic field (802000	MHz)	EN 61000-4-3		3 V/m			
Fast transients (burst 5/50 ns, 5 and 100 kHz)	on supply terminals	EN 61000-4-4		1 kV			
Voltage pulses on supply terminals	common mode	EN 61000-4-5		4 kV (2 kV for 1	8.91)		
(surge 1.2/50 μs)	differential mode	EN 61000-4-5		4 kV (2.5 kV for	18.01/11, 1 kV fo	or 18.91)	
Radiofrequency common mode voltage (0.15230 MHz)	on supply terminals	EN 61000-4-6		3 V			
Voltage dips	70% U _N , 40% U _N	EN 61000-4-11		10 cycles			
Short interruptions		EN 61000-4-11		10 cycles			
Radiofrequency conducted emissions	(0.1530)MHz	EN 55014		class B			
Radiated emissions	(301000)MHz	EN 55014		class B			
Terminals				18.01, 18.11, 1 18.31,18.91	8.21,	18.41, 18.51, 18.61, 18.A1	18.51B300,
Туре				Screw tern	ninal	Push-in (see pa	ag. 19)
Screw torque			Nm	0.5		_	
Max. wire size				solid cable	stranded cable	solid cable	stranded cable
			mm ²	1x6/2x4	1 x 4 / 2 x 2.5	2.5	2.5
			AWG	1 x 10 / 2 x 12	1 x 12 / 2 x 14	14	14
Wire strip length			mm	9	9	8	8
Other data							
Power lost to the environment	without	t output current	W	0.3			
	with rat	ed output currer	nt W	1.4			
Cable grip (type 18.11)			Ø mm	(8.912)			

Following the initial power-on, and power-on following a power interruption, the detector makes a hardware-software initialisation for approximately

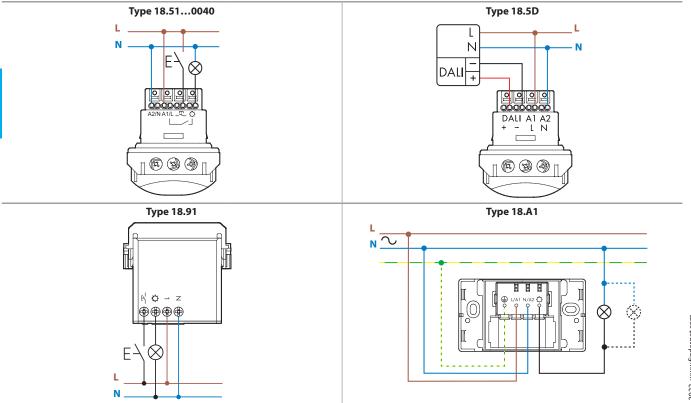
The behaviour of the output during this period can vary depending on the product type, and in some cases on the state of the detector before the power interruption and on the lighting level.



Wiring diagram

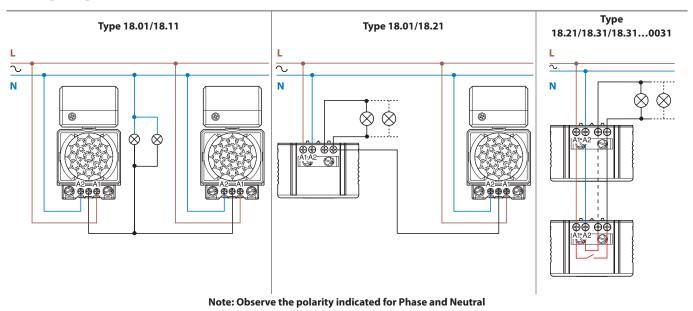


The nominal lamp rating as stated in the contact specification applies when wiring is realized in accordance with the diagrams above. If the load is powered from a phase different to that powering the Movement detector, then a 50% reduction in the lamp rating must be considered.





Wiring diagram



Type 18.51-B300 - Bluetooth

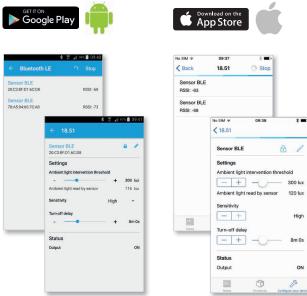
Through the use of Bluetooth LE (Low Energy) technology programming the detector's operating characteristics can be easily and conveniently done using an Android or iOS smartphone.

After installing the 18.51, simply download the Free **App Finder Toolbox** from Google and Apple's official stores and set all the required parameters.



Finder Toolbox

Android, Google Play and the Google Play logo are trademarks of Google Inc. Apple is a trademark of Apple Inc. App Store is a service mark of Apple Inc.



Detectors can be named and uniquely identified within a building. The ambient light level threshold can be adjusted between 4 lux and 1000 lux, the Light On delay time can be set from 12 seconds to 25 minutes, and the movement detector set to one of three sensitivity levels. When Bluetooth connection is made to a detector a red LED signals the correct pairing and that all the set parameters have been transferred. The detector then responds with two feedback values - brightness as read by the light sensor in the detector and the contact status, if closed (On) or open (Off). For security, the detectors can be locked by a selector switch and a 4-digit PIN - preventing parameter changes by unauthorized persons.

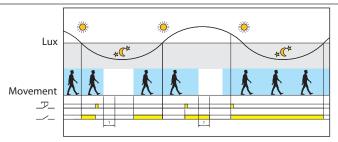


Functions

Type

Functions

18.51...0040



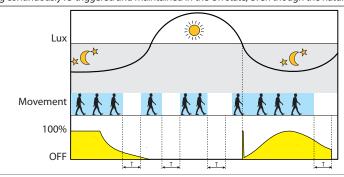
Push-button function

A control pulse on the push-button inverts the status of the output relay, until the timing after the last movement detected is elapsed. **Dynamic Light Compensation**

By incorporating Finder's Patented "light feedback compensation" principle, the 18.51...0040 is able to calculate the artificial light contributed by the lamps controlled by the output relay. In effect, this means the 18.51...0040 is able to continuously monitor the natural ambient light level, even when the output is On. As a consequence, whenever the natural light level exceeds the threshold setting the output is forced Off.

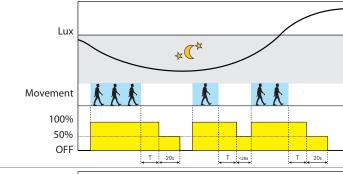
This can significantly minimises the time the lighting is On, particularly where there is a high level of traffic - and cost savings can be considerable. This is an advance over other types of movement detectors, which are unable to identify the natural ambient light level when the output is On and so can only turn Off after the time delay that follows the last detected movement. In busy areas this may mean that the movement detector is being continuously re-triggered and maintained in the On state, even though the natural light level has long risen above the threshold.

18.5D



Comfort - Daylight-linked constant light level control

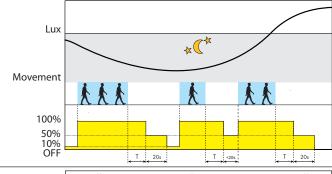
Adjusts to maintain a constant brightness level considering the detection of movement and the level of daylight - increasing or decreasing the power of the artificial light as appropriate. Suitable for small offices, classrooms or workplaces. This allows considerable energy saving while maintaining a comfortable level of illumination.



Simplicity - ON/OFF control with early warning

Works as a simple movement detector, activating the lamps at 100% power. But provides an early warning of the next shutdown with a power reduction to 50% for 20 seconds.

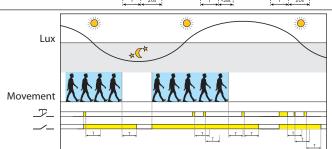
Avoids a sudden total shutdown of lighting.



Courtesy - ON/OFF control with early warning + courtesy light level

If the brightness level is lower than the set value, artificial light is maintained at 10% power, guaranteeing a minimum level of illumination at all times. When movement is detected, the power of the lamps is raised to 100%. There is an early warning of any reduction from the 100% power level by a reduction to 50% for 20 seconds. Suitable for common areas, lobbies, corridors, elevator zones.

18.91



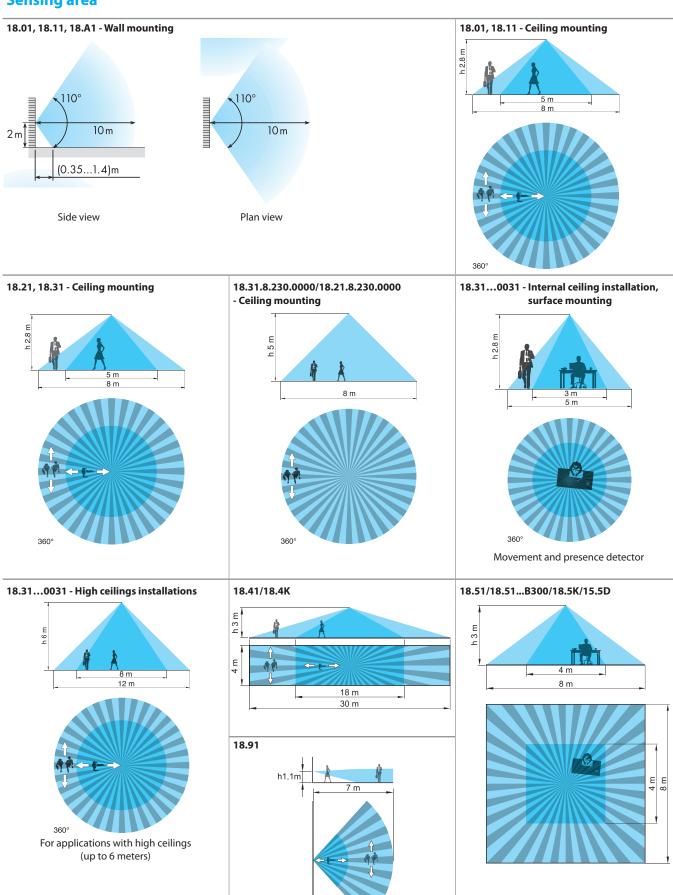
Detection of movement

Detected movement closes, or keeps closed, the output contact.

Operating the push-button closes, or keeps closed, the output contact - for the set time T.

XII-2022, www.findernet.com

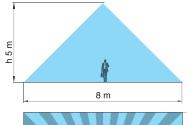
Sensing area





Sensing area

18.51/18.51...B300/18.5K/15.5D

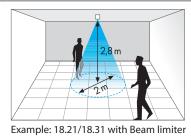




18.61 h1.1m 9 m

Accessories





Beam limiter (supplied with the types 18.21/31/41/51)

At an installation height of 2.8 meters the area of survey will reduce at: 18.21/18.31: diameter 2 meters

18.41: 2.5 x 6 meters 18.51: 2 x 2 meters

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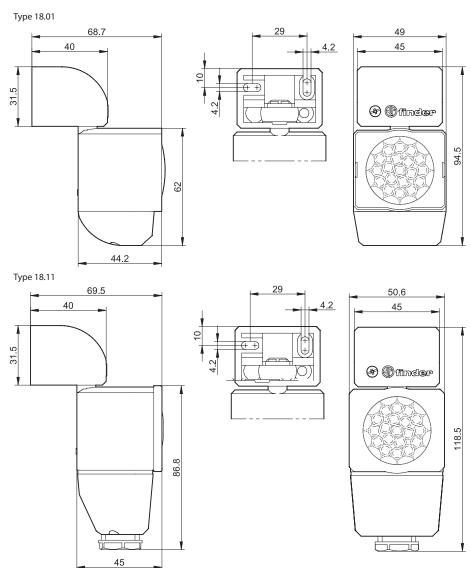
Outline drawings

XII-2022, www.findernet.com

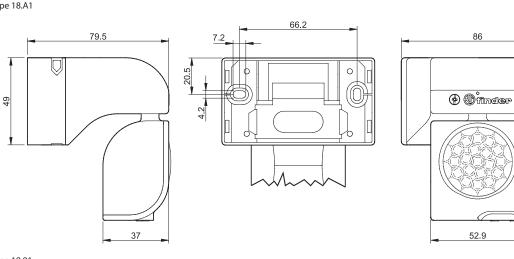
Type	Suspended ceiling mounting	Recess mounting	Surface mounting
18.21			Ø 56 Ø 75.1
18.31	Ø 70 Ø 63 Ø 56 Ø 80		
18.310031	25 max 0 20 0 20		Ø 56 Ø 75.1
18.41	© 60 © 60 9 E9 9 B4	© 60	85.6 x 70.6
18.51 18.5D 18.51B300	Ø 60 9 60 1 9 84	Ø 60 138 1 84	85.6 x 70.6
18.4K	25 max 43 60 86 5 86	36 1 max	85.6 x 70.6
18.5K	Ø 60 Ø 60 9 84	Ø 60 Ø 60 30.1 max	85.6 x 70.6
18.61	36.5 27.7 36.5 27.7 36.5 27.7	31.6 27.7	

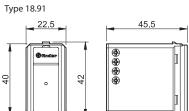


Outline drawings



Type 18.A1

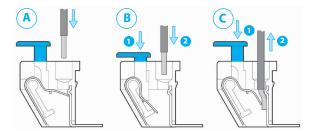






Push-in terminals for 18.41, 18.51, 18.5D, 18.61 and 18.A1

The push-in terminals permit the quick connection of solid wires or ferrules by their simple insertion into the terminal (A). It is possible to open the terminal to extract the wire by first pushing down on the push-button using a screwdriver or fingers (C). For stranded cable it is necessary first to open the terminal using the push button, both for the extraction (C) and insertion (B).





Double terminals for the easy "looping" between multiple 18 Series. The Max. wire size for each terminal is 2.5 mm².

The terminals are equipped with a test hole to take a test probe.