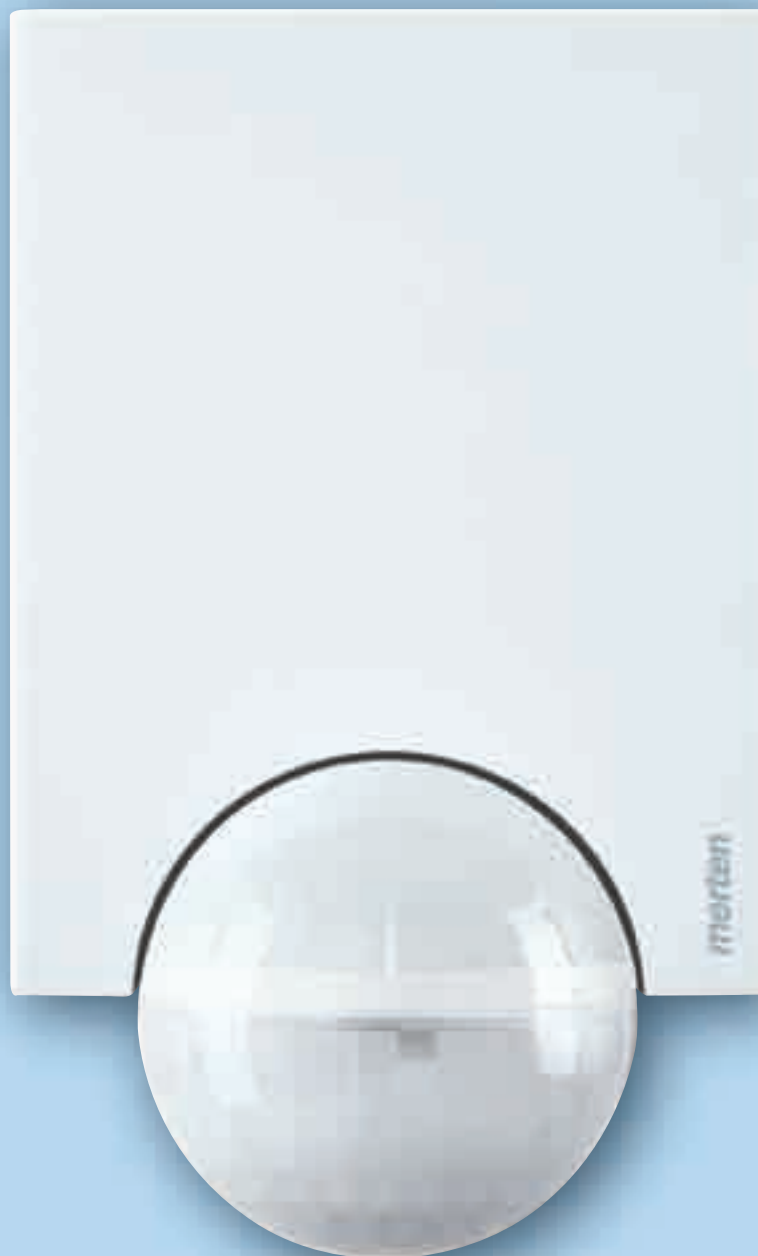


merten

ARGUS MOVEMENT DETECTORS

THE BEST OF SAFETY AND COMFORT



ARGUS MOVEMENT DETECTOR RANGE THE BEST IN ALL-ROUND PROTECTION



The desire for increased security and comfort at home is becoming more and more apparent. Particularly when it gets dark.

So it's reassuring to know that ARGUS movement detectors from Merten bring light to darkness. And it couldn't be simpler. As soon as the sensors detect a movement, the lights are turned on.

ARGUS movement detectors are available for both outdoor and indoor areas. Read on to find out how our movement detectors work and the advantages they offer you and your customers.



ARGUS SURFACE-MOUNTED MOVEMENT DETECTORS

NO ONE WILL GET PAST YOU WITHOUT YOU KNOWING



ARGUS surface-mounted movement detectors have a lot going for them. Not only do they provide adequate lighting in areas far removed from a light switch, they also put uninvited guests into the spotlight - whether they want to be or not.

The sophisticated technology for angles of detection from 70 up to 360 degrees, the option of convenient radio networking and simple installation are what make ARGUS surface-mounted movement detectors indispensable for all-round surveillance. And ideal for house fronts, warehouses, halls, underground garages, entrances and staircases, to name just a few examples. And numerous design awards prove that they look good too.



Actual size



reddot design award
winner 2004



Designpreis der
Bundesrepublik
Deutschland
Nominiert 2004

DESIGN PLUS

ARGUS surface-mounted movement detectors: The right solution for every application.



ARGUS 220 Connect:

With integrated interface for a radio module to network and connect to the Merten radio system



ARGUS 220 for 12 V Connect:

The 12 V low-voltage model, can be networked by radio



INSTABUS ARGUS 220 Connect:

For direct connection to INSTABUS EIB



ARGUS 220 Timer:

With integrated light-sensitive time switch, can be networked by radio



ARGUS 110 & 220 Basic:

The basic models that offer value for money



ARGUS 70:

For safety and security in the smallest of spaces



ARGUS 300:

Monitors two house fronts simultaneously



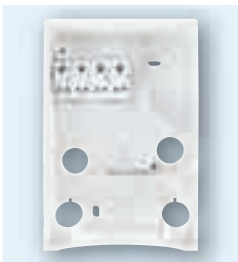
ARGUS 360:

For indoor and outdoor ceiling mounting

ADVANTAGES AT A GLANCE ILLUMINATING ARGUMENTS



ARGUS movement detectors don't just represent solutions for intelligent buildings in terms of innovative technology alone - they also prove themselves down to the smallest detail. Here are the most important advantages of ARGUS surface-mounted movement detectors:



1

A larger wiring compartment ensures sufficient room for quick wiring. Four cable inlets for looping provide for convenient installation.



2

Connectors between the insert and connection box make the installation particularly easy.



3

Wall spacers facilitate perfect installation on uneven walls or if cables are fed from overhead.



4

The mounting bracket makes it possible to mount ARGUS movement detectors on outer and inner corners and on cylindrical components without any problems.



5

The special high-resolution lens with three wide-ranging levels and 448 switching segments (ARGUS 220) provides for perfect detection quality.



6

The fully adjustable spherical lens facilitates both wall and ceiling mounting, without changing the appearance.



7

Snap-in segments make it possible to mask individual areas, without changing the appearance.



8

Intelligent evaluation electronics make it possible to adjust the switching behaviour in line with individual customer requirements. The radio controller makes teaching in quick and simple.



9

Special protection against intruders crawling on all fours is also provided.



10

Integrated rear surveillance switches the light on even before your customers exit the building.

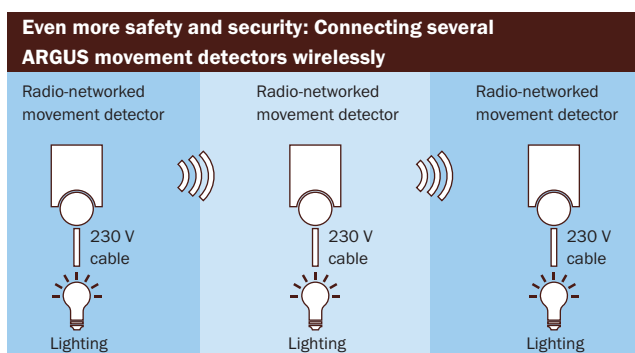
RADIO NETWORK OPTION

MAXIMUM SAFETY, FLEXIBILITY AND COMFORT

ARGUS movement detectors are among the very few systems that transmit via the interference-free 868 MHz radio frequency and that can be networked with one another. What's more,

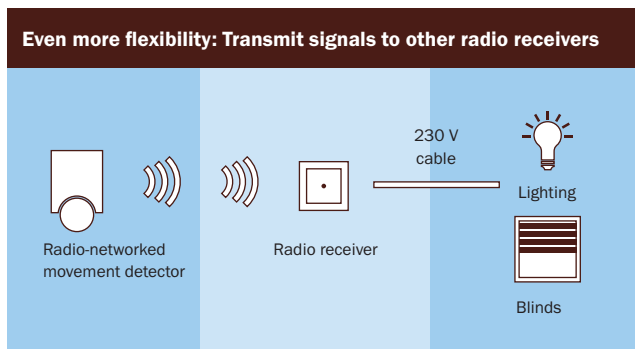
networking is quick, easy, and does not require a single metre of cable. For more safety, flexibility and comfort.

Interested? Here are a few examples:



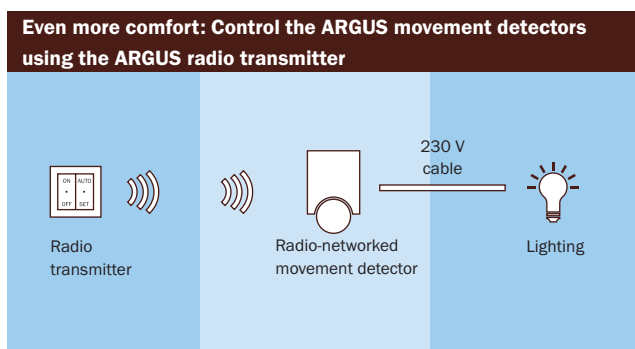
LIGHTING ALL AROUND THE HOUSE AS A DETERRENT

For example, if an ARGUS movement detector mounted on the garage registers a suspicious movement, it will transmit radio signals to all other radio-networked movement detectors. And your home will be lit up immediately. At the same time, it can also transmit another signal inside the house and let you know that someone is approaching the house by switching on another light for example.



AUTOMATIC PATH LIGHTING FROM THE GARAGE TO THE CORRIDOR

Radio-networked ARGUS movement detectors not only turn on the lights in front of the house in the evening but also those in the corridor. They will also send signals to other radio-controlled Merten products if requested. That could be a luminaire equipped with a radio receiver for example. Or a blind that automatically lowers at dusk.



CONVENIENT CONTROL OF MOVEMENT DETECTOR VIA RADIO

Many functions of the ARGUS movement detector can be remote controlled via radio transmitter. Example: Garden party. One push of a button and the lights stay on permanently. Or maybe you want to set the outdoor lights to come on automatically at a certain twilight threshold by radio? Perhaps you'd like to deactivate the ARGUS for a while? It couldn't be simpler with the pre-programmed ARGUS radio transmitter or remote control.

ARGUS FLUSH-MOUNTED MOVEMENT DETECTORS FOR A SURE FOOTING AT EVERY TURN

ARGUS flush-mounted movement detectors ensure that no one is left fumbling in the dark for the light switch - in corridors, hallways, staircases, basement corridors or infrequently used rooms. As soon as someone comes within the detection range of the ARGUS, the lighting switches on automatically. Read on to discover more advantages.



Actual size

1

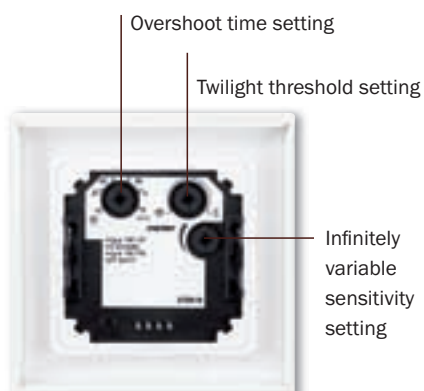
ARGUS flush-mounted indoor movement detectors don't just make life safer and more comfortable. They also help save energy. For example, you can individually set the overshoot time of the flush-mounted ARGUS 180 in increments of between one second and eight minutes. After this time has elapsed, the light switches off, saving energy and money. The infinitely adjustable sensitivity of the flush-mounted ARGUS means that it can be adjusted to suit every environment.

2

You can toggle any switch between maintained light and manual operation any time.













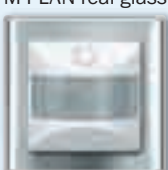
3

If you want to install ARGUS flush-mounted movement detectors in damp rooms, swimming pools, basements or on terraces, that's no problem. The flush-mounted ARGUS 180 comes in the waterproof AQUADESIGN and AQUACLASSIC versions for these special applications.








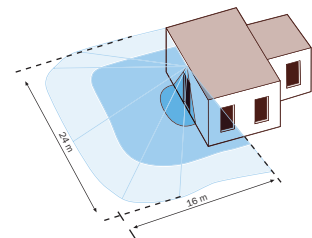
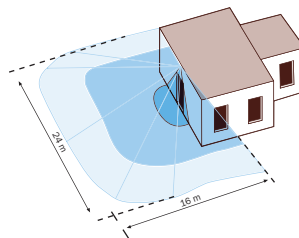
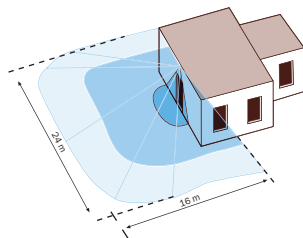
Models available




System M	System Design	System Basis	OCTOCOLOR	Other models
				
M-SMART	ARTEC	M1	OCTOCOLOR	AQUADESIGN
				
M-ARC	TRANCENT	ATELIER		AQUACLASSIC
				
M-PLAN / M-PLAN II	ANTI-K			
				
M-PLAN real glass				
				
M-STAR				

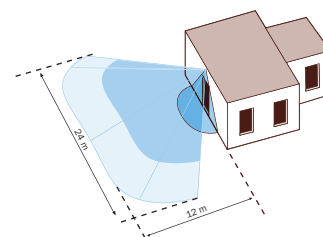
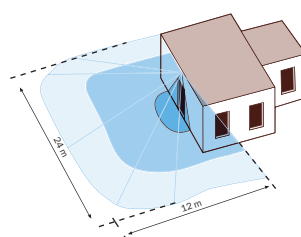
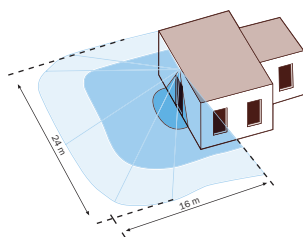
ARGUS SURFACE-MOUNTED MOVEMENT DETECTORS

TECHNICAL SPECIFICATIONS

			
	ARGUS 220 Connect	ARGUS 220 for 12 V Connect	INSTABUS ARGUS - 220 Connect
Areas of use	Detached houses, apartment buildings, commercial properties and public buildings	Holiday homes, caravans, camping vans, boats	Detached houses, apartment buildings, commercial properties and public buildings
Angle of detection	220°	220°	220°
Range	max. 16 m	max. 16 m	max. 16 m
Range of inner safety zone	max. 4 m	max. 4 m	max. 4 m
Rear surveillance	●	●	●
Number of levels	7	7	7
Number of zones	112 with 448 switching segments	112 with 448 switching segments	112 with 448 switching segments
Possible to set the sensor head	Wall mounting: 9° up, 24° down, 12° right/left, ± 12° axial ceiling mounting: 4° up, 29° down, 25° left/right, ± 8.5° axial	Wall mounting: 9° up, 24° down, 12° right/left, ± 12° axial ceiling mounting: 4° up, 29° down, 25° left/right, ± 8.5° axial	Wall mounting: 9° up, 24° down, 12° right/left, ± 12° axial ceiling mounting: 4° up, 29° down, 25° left/right, ± 8.5° axial
Type of installation	Wall, ceiling, outer/inner corners, cylindrical components	Wall, ceiling, outer/inner corners, cylindrical components	Wall, ceiling, outer/inner corners, cylindrical components
Masking	●	●	●
Fully autom. range optimisation/fault suppression	●	●	●
Radio interface	●	●	—
Integrated light-sensitive time switch	—	—	—
Voltage	AC 230 V, ±10%, 50 Hz	DC 12 V	Supply via bus
Incandescent lamps	AC 230 V, max. 2000 W	AC 230 V, max. 800 W	dependent on switch actuator
Halogen lamps	AC 230 V, max. 2000 W	AC 230 V, max. 600 W	dependent on switch actuator
Fluorescent lamps	AC 230 V, 1200 W uncompensated	—	—
Capacitive load	max. 35 µF	—	—
Max. switching current	16 A, AC 230 V, $\cos \varphi = 1$	5 A, DC 12 V, AC 230 V, $\cos \varphi = 1$	—
Type of protection	IP 55	IP 55	IP 55
Sensitivity	infinitely adjustable	infinitely adjustable	infinitely adjustable
Light sensor	3-1000 lux	3-1000 lux	3-1000 lux
Switching times	1 sec. to approx. 8 min. in 6 levels	1 sec. to approx. 8 min. in 6 levels	from 3 s to 152 h via ETS
Article number/Colour	5654 19/polar white, 5654 15/dark brazil 5654 69/aluminium	5654 26/polar white	6315 19/polar white 6315 15/dark brazil 6315 69/aluminium
Accessories	Radio module 5654 95 Radio push-buttons 5922 90/polar white Mounting bracket 5652 91/polar white 5652 92/dark brazil 5652 93/black grey	Radio module 5654 95 Radio push-buttons 5922 90/polar white Mounting bracket 5652 91/polar white	Mounting bracket 5652 91/polar white 5652 92/dark brazil 5652 93/black grey






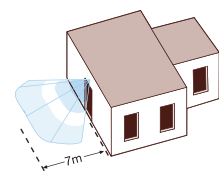
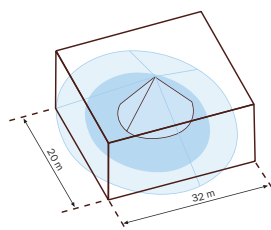
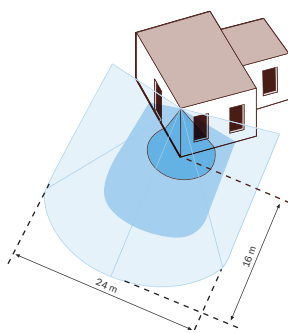
			
	ARGUS 220 Timer	ARGUS 220 Basic	ARGUS 110 Basic
Areas of use	Shop windows, shopping centres, car parks, company premises, petrol stations	Detached houses, apartment buildings, commercial properties and public buildings	Detached houses, entrances, car ports
Angle of detection	220°	220°	110°
Range	max. 16 m	max. 12 m	max. 12 m
Range of inner safety zone	max. 4 m	max. 4 m	max. 4 m
Rear surveillance	●	●	●
Number of levels	7	7	7
Number of zones	112 with 448 switching segments	112 with 448 switching segments	92 with 368 switching segments
Possible to set the sensor head	Wall mounting: 9° up, 24° down, 12° right/left, ± 12° axial ceiling mounting: 4° up, 29° down, 25° right/left, ±8.5° axial	Wall mounting: 9° up, 24° down, 12° right/left, ± 12° axial ceiling mounting: 4° up, 29° down, 25° right/left, ±8.5° axial	Wall mounting: 9° up, 24° down, 12° right/left, ± 12° axial ceiling mounting: 4° up, 29° down, 25° right/left, ± 8.5° axial
Type of installation	Wall, ceiling, outer/inner corners, cylindrical components	Wall, ceiling, outer/inner corners, cylindrical components	Wall, ceiling, outer/inner corners, cylindrical components
Masking	●	●	●
Fully autom. range optimisation/fault suppression	●	●	●
Radio interface	●	—	—
Integrated light-sensitive time switch	●	—	—
Voltage	AC 230 V, ±10%, 50 Hz	AC 230 V, ±10%, 50 Hz	AC 230 V, ±10%, 50 Hz
Incandescent lamps	AC 230 V, max. 2000 W	AC 230 V, max. 2000 W	AC 230 V, max. 2000 W
Halogen lamps	AC 230 V, max. 2000 W	AC 230 V, max. 1200 W	AC 230 V, max. 1200 W
Fluorescent lamps	AC 230 V, 1200 W uncompensated	AC 230 V, 1200 W uncompensated	AC 230 V, 1200 W uncompensated
Capacitive load	max. 35 µF	max. 35 µF	max. 35 µF
Max. switching current	16 A, AC 230 V, cos φ = 1	16 A, AC 230 V, cos φ = 1	16 A, AC 230 V, cos φ = 1
Type of protection	IP 55	IP 55	IP 55
Sensitivity	infinitely adjustable	—	—
Light sensor	3-1000 lux	3-1000 lux	3-1000 lux
Switching times	1 sec. to approx. 8 min. in 6 levels	1 sec. to approx. 8 min. in 6 levels	1 sec. to approx. 8 min. in 6 levels
Article number/Colour	5656 19/polar white 5656 15/dark brazil 5656 69/aluminium	5652 19/polar white	5651 19/polar white
Accessories	Radio module 5654 95 Radio push-buttons 5922 90/polar white Mounting bracket 5652 91/polar white 5652 92/dark brazil 5652 93/black grey	Mounting bracket 5652 91/polar white	Mounting bracket 5652 91/polar white



ARGUS SURFACE-MOUNTED MOVEMENT DETECTORS

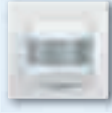


TECHNICAL SPECIFICATIONS

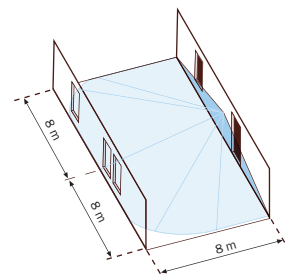
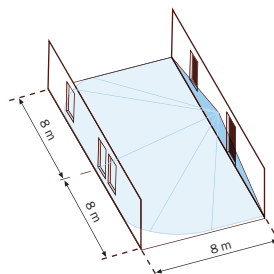
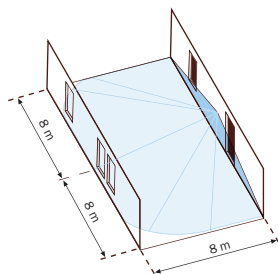
			
	ARGUS 300	ARGUS 360	ARGUS 70
Areas of use	2 house fronts simultaneously	Sheds, halls, underground garages	Entrances, stairways etc.
Angle of detection	300°	360°	70°
Range	max. 16 m	max. 16 m	max. 7 m
Range of inner safety zone	max. 4 m	max. 4 m	max. 0,8 m
Rear surveillance	●	●	—
Number of levels	7	7	4
Number of zones	123 with 492 switching segments	124 with 496 switching segments	26 with 104 switching segments
Possible to set the sensor head	Horizontal rotation 30° left and right. Swivelling of the sensor head to the right or left by 45°.	—	—
Type of installation	Wall, cross-corner Optional: Extension	Ceiling, surface-mounted	Wall
Masking	●	●	—
Fully autom. range optimisation/fault suppression	●	●	●
Radio interface			
Integrated light-sensitive time switch	—	—	—
Voltage	AC 230 V, ±10%, 50 Hz	AC 230 V, ±10%, 50 Hz	AC 230 V, ±10%, 50 Hz
Incandescent lamps	AC 230 V, max. 3000 W	AC 230 V, max. 3000 W	AC 230 V, max. 500 W
Halogen lamps	AC 230 V, max. 2500 W	AC 230 V, max. 2500 W	AC 230 V, max. 300 W
Capacitive load	max. 140 µF	max. 140 µF	max. 21 µF
Max. switching current	16 A, AC 230 V, cos φ = 0.6	16 A, AC 230 V, cos φ = 0,6	16 A, AC 230 V, cos φ = 0.6
Type of protection	IP 55	IP 55	IP 44
Sensitivity	infinitely adjustable	infinitely adjustable	—
Light sensor	3-1000 lux	3-1000 lux	3-1000 lux
Switching times	1 sec. to approx. 8 min. in 6 levels	1 sec. to approx. 8 min. in 6 levels	1 sec. to approx. 8 min. in 6 levels
Article number/Colour	5643 19/polar white 5643 15/dark brazil	5644 19/polar white 5644 15/dark brazil	5457 19/polar white 5457 15/dark brazil
Accessories	Extension 5543 99/polar white 5543 95/dark brazil	—	



ARGUS FLUSH-MOUNTED MOVEMENT DETECTORS

TECHNICAL SPECIFICATIONS

			
Use	Corridors, entrances, basements	Corridors, entrances, basements	Damp rooms in the house, swimming pools
Angle of detection	180°	180°	180°
Range	max. 8 m	max. 8 m	max. 8 m
Type of installation	Wall, flush-mounted	Wall, flush-mounted	Wall, flush-mounted
Voltage	AC 230 V, ±10%, 50 Hz	AC 230 V, ±10%, 50 Hz	AC 230 V, ±10%, 50 Hz
Incandescent lamps with electronic switch insert	AC 230 V, max. 25-300 W	AC 230 V, max. 25-300 W	AC 230 V, max. 25-300 W
Incandescent lamps with relay switch insert	AC 230 V, max. 0-1000 W	AC 230 V, max. 0-1000 W	AC 230 V, max. 0-1000 W
Halogen lamps with relay switch insert	AC 230 V, max. 500 W	AC 230 V, max. 500 W	AC 230 V, max. 500 W
Capacitive load with relay switch insert 576897	max. 140 µF	max. 140 µF	max. 140 µF
Type of protection	IP 20	IP 20	IP 44
Sensitivity	infinitely adjustable	infinitely adjustable	infinitely adjustable
Light sensor	5-1000 lux	5-1000 lux	5-1000 lux
Switching times	1 sec. to 8 min. in 6 levels	1 sec. to 8 min. in 6 levels	1 sec. to 8 min. in 6 levels
Switch PERMANENT ON/OFF/AUTOMATIC	—	●	—
Article number	See full catalogue	See full catalogue	See full catalogue
	INSTABUS movement detector version also available	INSTABUS movement detector version also available	With central screw for protection against theft



SOLUTIONS FOR INTELLIGENT BUILDINGS

merten

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