

1 INSTRUCTIONS AND RECOMMENDATIONS



Switch off the mains before commencing any work



Strip the wires back for about 12mm

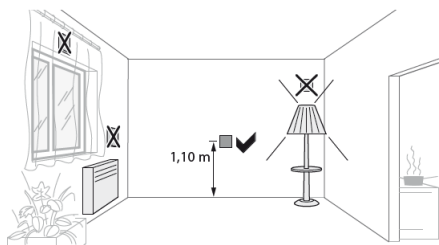
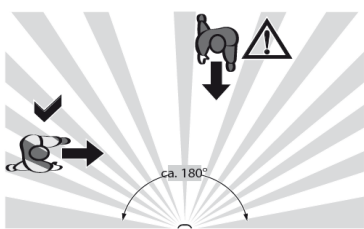


No limit on the number of PDs mounted in master/slave configuration, up to a limit of 40m between the master and the last slave PD



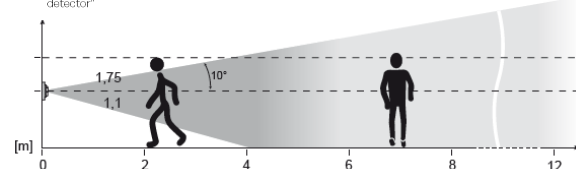
For single units, use casings 50mm deep, diameter 67 or 68mm

2 INSTRUCTIONS AND RECOMMENDATIONS



Detection zone in case of:

■ "frontal movements towards the detector" □ "crossing movements"



- Respect the recommended fitting height: 1.1m
- Take the direction of movement into account: there will be differences between frontal and transverse movements. Movements across the detector are detected more easily than movements towards the motion detector.
- Choose a vibration-free installation site. Vibration can cause unwanted detection triggers.
- Avoid any source of interference in the detection zone (image 5). Interference sources such as radiators, ventilation systems, air conditioners and cooling lamps can cause unintentional triggers (image 4)

2 INSTRUCTIONS AND RECOMMENDATIONS

Nominal voltage	230V~ +10%/-15%
Frequency	50Hz
Standby power consumption	<0.3W
Activation light level	approx. 5 ... 1000 lux
Switching time (pulse)	200ms; approx. 10s ... 30min
Sensitivity	approx. 10 ... 100%
Detection angle	approx. 90 ... 180°
Detection zone (1.1m)	approx. 12x16m
Protection index	IP20
Relative humidity	95% max at 20°C
Operating temperature	-5°C to +45°C
Storage/transport temperature	-20°C to +60°C
Thermal protection	Non-resettable thermal fuse
Short-circuit protection	via circuit breaker max. 16A
Length of extension units line	max. 50m
Length of load line	max. 100m
Connection terminals for conductor cross-sections	- Rigid 1x1.5 ... 2.5mm ² / 2x1.5mm ² - Flexible 1x1.5 ... 2.5mm ²
Filament lamps, HV halogen lamps, VLV halogen lamps with electronic or dual mode transformer	1500W
VLV halogen lamps with conventional transformer	150VA
Fluorescent lamps	300VA
Compact fluorescent lamps	400W
230V dimmable LED lamps	400W
Number of extension units	1
Type of contact	relay, microswitch, NO contact

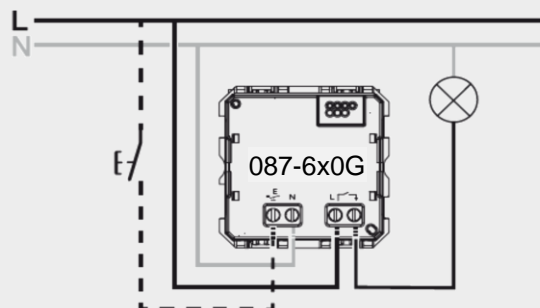
3 WIRING

— N neutral – blue cable

— L phase – red cable

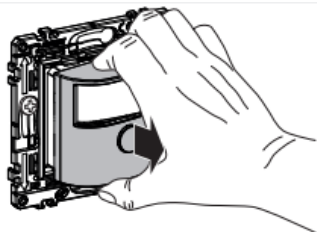
— earth – green/yellow cable

- Wire the neutral and/or a pilot light
- Wire the phase to the detector
- Switches can also be wired as an option (see diagram on the right)

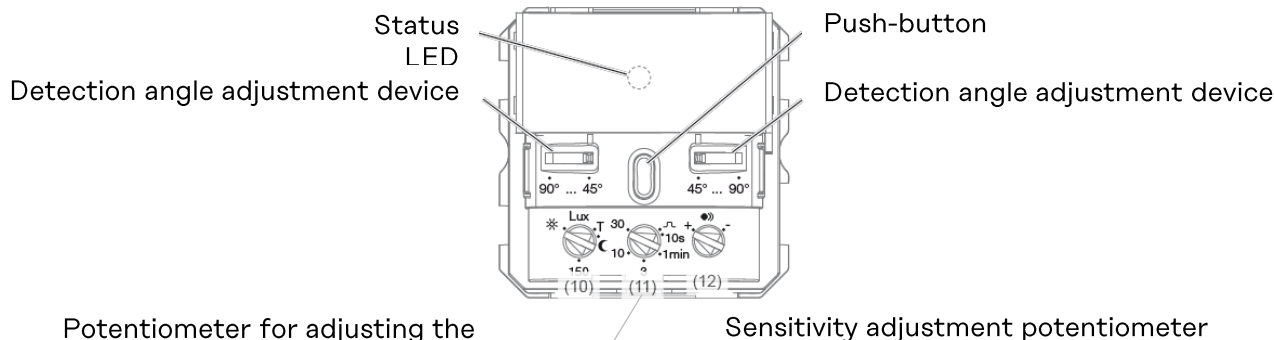


4 ADJUSTING THE DETECTOR

- Remove the detector's cover plate to access the adjustment functions



- The following adjustments are possible:



Automatic mode:

- Pressing the button briefly switches the function types. The type of function is indicated by the status LED behind the bezel of the motion detector.

Selection of the type of function via the push-button (automatic mode)

The control push-button is not locked (see Locking/unlocking the function type selection via the push-button).

- Press the push-button (5) briefly and repeatedly until the desired function type is selected. (Table 1)

Button functions	LED indicator	Type of function
Press the button repeatedly and briefly	—	Automatic
	Green	Continuous operation
	Red	Permanent stop

Table 1: Selection of function types and LED indicator

Semi-automatic mode:

- The lighting is activated manually via the push-button on the device or on an extension unit push-button for the period set. Each movement detected or button pushed restarts the timer.
- At the end of the switching period, the lighting will turn off automatically if no further movement is detected in the detection zone.

Locking/unlocking of the function type selection using the push-button

The push-button facility for selecting function type can be locked, e.g. for use in public buildings.

- Press and hold the push-button for more than 15 sec. until the status LED flashes green (picture 3).

This locks the selection of the function type via the push-button.

Or else, when in locked mode:

- Press and hold the push-button for more than 15 sec. until the status LED flashes green (picture 3).

Selection of the function type via the push-button is enabled again.

Switching on the lighting via the push-button on the extension unit (table 2)

Lighting may be switched on with the push-button on a mechanical extension unit. When controlled from an extension unit, the lighting is switched on irrespective of the light level trigger setting.

Lighting status	Push-button control	Module behaviour
OFF	Short press	The load is switched on for the set period
ON	Short press	The operating time is extended by the set delay time

Table 2: Control via the push-button on the extension unit

Activating/interrupting party mode

Party mode switches the lights on for 2 hours. During this time, no extension unit commands are carried out.

- Press and hold the push-button for more than 5 seconds until the status LED flashes red (image 3).

The light remains on for 2 hours. During this time, the status LED flashes red. After 2 hours, the motion detector switches to automatic/semi-automatic mode.

- Briefly press the push-button or the extension unit.

Party mode is cancelled, the motion detector returns to automatic/semi-automatic operation.

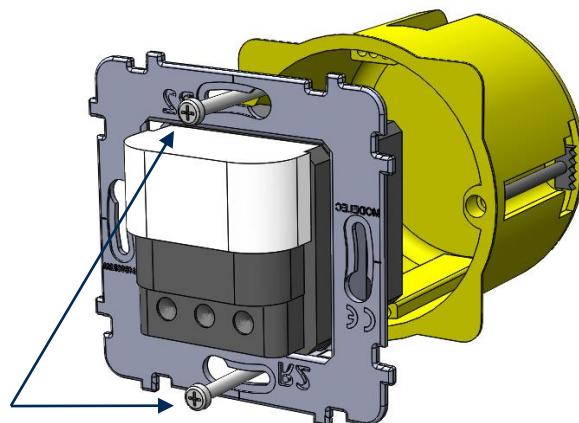
Function	Party mode	Learning mode	Locking push-buttons	Presence simulation
Display LED	Red	Amber	Green	Red
Control push-button hold time	> 5 s	> 10 s	> 15 s	> 20 s

Image 3: Selecting special functions and LED indicator

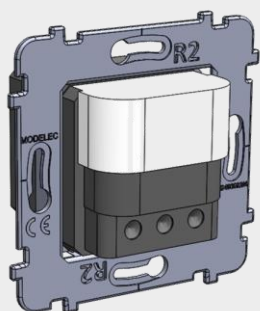
5 FITTING

After wiring is completed according to the instructions, place the mechanism in the flush-mount box and screw on the plate, as shown in the diagram opposite.

Screws supplied with the flush-mount box.



6 TABLE OF RELEVANT REFERENCES



Reference and description:

087-640G PD 3-WIRE WHITE

087-650G PD 3-WIRE BLACK

Compatible with:

Confidence Collection

7 CERTIFICATIONS

The product complies with EN 60669-1:1999 + A1:2002 + A2:2008