

- MD-C360i/6 mini
- PD-C360i/6 mini



**Note on presence detectors:** However, should the natural lighting level increase and the ambient lighting level exceed the preset light value, the detector will automatically switch the lighting off 5 minutes after reaching the preset light value, regardless of any movement/presence. The lighting can subsequently be switched back on manually at any time.

**Delay**

When persons are present, in order to avoid sudden changes in brightness caused by undesired switching on/off of the lighting, the detector will only be triggered after a time delay. Example: A passing cloud could potentially cause unnecessary switching.

Time delay from light to dark: 10 sec. = red LED lights up during this period.  
Time delay from dark to light: 5 min. = red LED flashes slowly during this period.



**“Continuous lighting 4 h ON/OFF” for “lighting-C1”**  
The lighting can be switched on or off at any time for a duration of 4 hours by pressing the button. Once the 4 hours have expired, the detector switches back to the corresponding set operating mode.



**NB: When the “4 h ON/OFF” feature is activated, the detector no longer responds to movement and is not controlled by the light value.**



**Interrupting the “TEST”, “light ON/OFF”, “light 4 h ON/OFF” functions**  
The detector switches back to the corresponding set operating mode.

Congratulations on your purchase of this high-quality ESYLUX product. To ensure proper operation, please read these user instructions carefully and keep them for future reference.

1 • SAFETY INSTRUCTIONS



**CAUTION: Work on the 230 V power system must be carried out by authorised personnel only with due regard to the applicable installation regulations. Switch off the power supply before installing the system.**

Use this product only as intended (as described in the user instructions). Changes or modifications to the product or painting it will result in loss of warranty. You should check the device for damage immediately after unpacking it. If there is any damage, you should not install the device under any circumstances.

If you suspect that safe operation of the device cannot be guaranteed, you should turn the device off immediately and make sure that it cannot be operated unintentionally.

2 • DESCRIPTION

Motion and presence detectors are passive infrared detectors that automatically switch connected lighting depending on natural light and presence/movement and are suitable for use indoors and outdoors (motion detector only).

3 • INSTALLATION / ASSEMBLY / CONNECTION

Please refer to the supplied leaflet for instructions.

4 • START-UP

• Connect the power supply

A warm-up phase of approx. 60 seconds is initiated during which the red and blue LEDs flash alternately. The connected lighting is turned on.

The detectors are preset to “factory settings/remote control” and are therefore immediately ready for use after the warm-up phase.

Overview of factory settings:

**MD-C360i/6 mini**  
Light value = passageway (approx. 100 lux)  
Time setting = 5 min

**PD-C360i/6 mini**  
Light value = working area (approx. 400 lux)  
Time setting = 5 min

4.1 Function after the warm-up phase

Fully automatic mode

If the ambient lighting level is higher than the default light value, the red LED and the connected lighting will be switched off.

**Automatic switch-on:** if the detector has been triggered by movement and the ambient lighting level has fallen below the default light value. The red LED is enabled to indicate motion detection: two short flashes each time movement is detected.

**Automatic switch-off:** if movement is no longer detected, the lighting will be switched off once the set time has elapsed.



**NB: For optimum reception, when programming the settings, point the remote control at the detector. Please note that if the sun shines directly on the sensor, the standard detection range of approx. 8 m may be dramatically reduced owing to the sun’s infrared rays.**

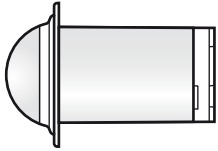
Button	Customised setting
	<b>Entering programming mode</b> Blue LED lights up on the detector, indicating “blue mode” (programming mode). The connected lighting turns on. Whilst in programming mode, the detector’s movement sensor is disabled.
	<b>Set switch-on light value using the eye button or a fixed light value</b>
	<b>Inputting the current ambient lighting level (between 5 - 2000 lux) as the switch-on value</b> Connected lighting and the blue LED switch off. Once the input process has been successfully completed, the lighting turns on and the blue LED lights up continuously.
	<b>Fixed switch-on values (10 - 2000 lux)</b> Confirmed by blue and red LED on the detector flashing alternately.
	<b>Determining a time setting for channel “lighting-C1”: 1 min and 15 min or short pulse:</b> once the detector has been triggered by movement (lighting is below preset ambient lighting level), the lighting and the red LED will be switched on for 1 second and then off for 9 seconds. Confirmed by blue and red LED on the detector flashing alternately.
	<b>Switching LED on/off</b> To switch LED off = press button, the blue LED will turn off for approx. 3 seconds. To switch LED on = press button, the blue LED will flash for approx. 3 seconds.
	<b>Reinstating factory settings</b> Confirmed by blue and red LED on the detector flashing alternately.
	<b>Exiting programming mode</b> Blue LED goes out; settings are now saved. The detector will now operate automatically according to the preset values.  <b>NB: If the programming mode is not exited by pressing the button, the detector automatically exits the programming mode 10 minutes after the last button was pressed.</b>
	<b>Additional functions via Mobil-PDi/MDi remote control</b>
	<b>Checking the range/detection using test mode</b> Connected lighting turns on – for clear inspection/pacing out of a detector’s field of detection. Real-time, load-free indication of movement given by 2 flashes of the blue LED.  <b>NB: Exit test mode by pressing the “TEST” or “RESET” button.</b>
	<b>Switch “lighting C1” on/off manually (replaces button)</b>

• TECHNICAL DATA

Mains voltage	230 V AC 50 - 60 Hz
Power consumption	approx. 0.2 W
Field of detection	360°
Range	Ø 6 m
Recommended installation height	3 m
Settings	via remote control Mobil-PDi/MDi
Switching capacity	230 V AC 50 - 60 Hz 690 W/3 A (cos φ = 1), 345 VA/1,5 A (cos φ = 0,5) capacitive load/electronic ballasts – max. inrush current 30 A/20 ms
Time setting	impulse/approx. 1 - 15 min.
Approx. light value	10 lux - daytime operation
Light measurement	blended light
Protection type	ceiling-mounted/wall-mounted IP 65 (accessory)
Protection class	II
Test symbol	TÜV/SÜD
Operating temperature range	0 °C/+50 °C
Housing	UV-stabilised PE
Colour	opal frosted

Technical and design features may be subject to change.





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GB INSTALLATION INSTRUCTIONS

**CAUTION:** Work on the 230 V power system must be carried out by authorised personnel only, with due regard to the applicable installation regulations. Before installing the product, switch off the power supply.

- The greater the mounting height, the bigger the range, but the lower the sensitivity. Movements diagonal to the detector are optimal for triggering the detector. In the case of a direct and head-on approach, it is more difficult for the detector to detect movement; the range is thus significantly reduced.
- The detector should be positioned according to spatial conditions and requirements (see illustrations):

- 1 = Working area
- 2 = Head-on to detector
- 3 = Diagonally to detector

Connect the detector in accordance with the wiring diagram for the particular type of device (see illustrations):

L = brown N = blue L' ⊗ = grey

EXPLANATION OF CIRCUIT DIAGRAMS

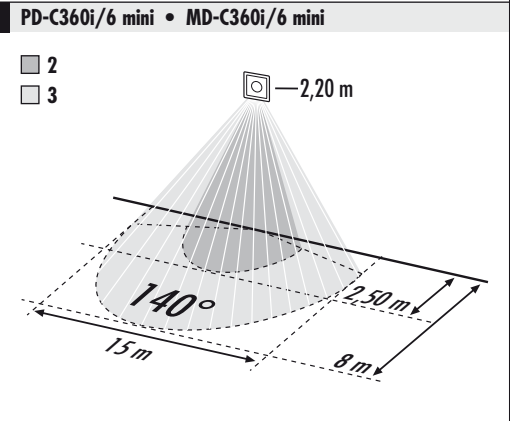
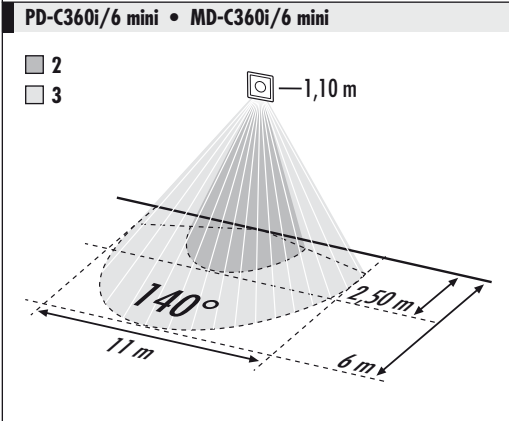
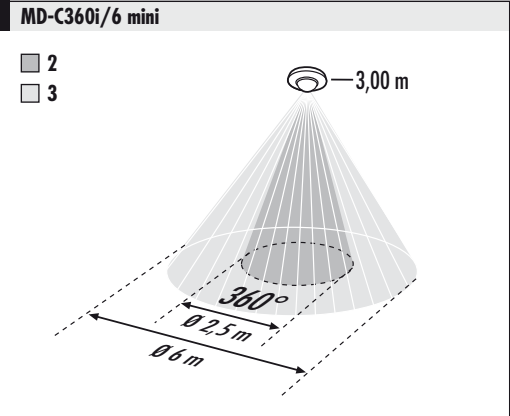
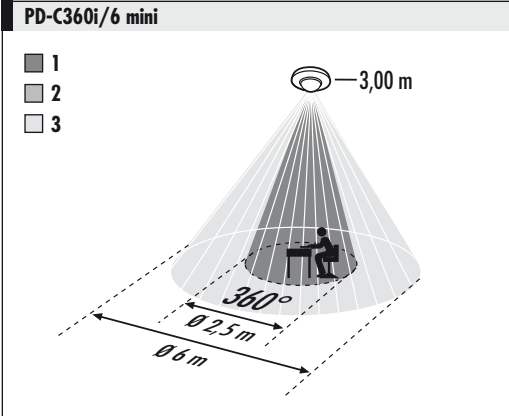
- 1 Standard operation
- 2 Parallel connection of max. 5 motion detectors. Parallel connection of two or more presence detectors is not possible
- 3 Standard operation with the additional possibility of switching on by hand

Switching capacity: 230 V AC, 690 W/3 A (cos φ = 1), 345 VA (cos φ = 0.5)  
 Capacitive load/electronic ballasts – max. inrush current 30 A/20 ms  
 When using electronic ballasts, an up to 40-fold inrush current is to be expected. External relays, contactors, a relay module or a current-limiting module should be used for full load.

- 4 ESYLUX SRM-230V relay module (item no. EP10426346), max. inrush current 450 A/200 μs (2300 W/10 A (cos φ = 1))
- 5 ESYLUX ILR-230V current-limiting module (item no. EP10426353), 10 A/40 ms (make contact) full load max. 690 W

Installation options

- A Installation in suspended ceilings, fitted cupboards, surface- and recessed-mounted boxes
- B Installation in closed, suspended ceilings
- C Compatible with brand switches if mounted in a wall
- D Masking out of fields of detection using lens mask (included)



<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>

