- • MD-C360i/8 mini
- • MD-C360i/12 mini
- • PD-C360i/8 mini
- • PD-C360i/12 mini
- • PD-C360i/8 mini Slave
- • PD-C360i/12 mini Slave

ESYLUX·

• TECHNICAL DATA

	230 V AC 50 - 60 Hz	Power consumption in W	Field of detection 360°	Range (diameter in metres)	Recommended installation height (in metres)	Setting via infrared remote control Mobil-PDi/MDi	Setting via infrared remote control Mobil-RG-M	Light measurement: blended light	Light value approx. 10 lux - daytime operation	"Lighting" channel	Switching capacity: 2300 W/10 A (cos φ = 1), 1150 VA/5 A (cos φ = 0,5) Capacitive load/electronic ballasts = max. inrush current 450 A/200 μs	Time setting: impulse/1 min - 15 min	Key input	Slave input	Slave device connection: PD-C360/8 mini Slave, PD-C360/12 mini Slave	Protection type: ceiling-mounted IP 55	Protection class	Operating temperature range: -10 °C/+50 °C	Housing: UV stabilised PE/PC	Colour: opal frosted
MD-C360i/8 mini	●	0,2	●	8	3	●	●			●	●	●				●	II	●	●	●
MD-C360i/12 mini	●	0,2	●	12	3	●	●			●	●	●				●	II	●	●	●
PD-C360i/8 mini	●	0,2	●	8	3	●	●	●	●	●	●	●	●	●	●	●	II	●	●	●
PD-C360i/12 mini	●	0,2	●	12	3	●	●	●	●	●	●	●	●	●	●	●	II	●	●	●
PD-C360/8 mini Slave	●	0,2	●	8	3											●	II	●	●	●
PD-C360/12 mini Slave	●	0,2	●	12	3											●	II	●	●	●

Technical and design features may be subject to change.

GB • OPERATING INSTRUCTIONS

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/8 - 12 mini
Light value = passageway (approx. 100 lux)
Time setting = 5 min

PD-C360i/8 - 12 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.

Semi-automatic mode
Function can be set using the remote control – see section 6.
Switching on must be performed manually using the external button or remote control.
Automatic switch-off if movement is no longer detected, the lighting will be switched off once the set time has elapsed.

⚠ **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.

5 • ACTIVATION – SLAVE VERSION

The purpose of a slave device is solely to register presence and transmit a signal to the master device upon detection of movement. All parameters are set on the master control device.

- **Connect the power supply**
  A warm-up phase of approx. 60 sec. is initiated.
  The **green LED** flashes slowly and indicates the status of the detector.

- **LED display after warm-up**
  After the warm-up phase the **LED** is permanently enabled to indicate motion detection.

6 • SETTINGS AND FUNCTIONS VIA MOBIL-PDi/MDi REMOTE CONTROL (EM10425509)

⚠ **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
🔓	**Entering programming mode** **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.
	Set switch-on light value using the eye button or a fixed light value
👁	**Inputting the current ambient lighting level (between 5 - 2000 lux) as the switch-on value** 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.
10 LUX — 2000 LUX	**Fixed switch-on values (10 - 2000 lux)** Confirmed by **blue and red LED** on the detector flashing alternately.
PULSE — 15 min	**Determining a time setting for channel "lighting-C1": 1 min and 15 min or short pulse:** 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.
A/M	**Alternating between "fully automatic" and "semi-automatic" operation modes** Semi-automatic mode = press button, the **blue LED** will turn off for approx. 3 seconds. Fully automatic mode = press button, the **blue LED** will flash for approx. 3 seconds.
ON/OFF	**Switching LED on/off** 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.
RESET	**Reinstating factory settings** Confirmed by **blue and red LED** on the detector flashing alternately.
🔒	**Exiting programming mode** **Blue LED** goes out; settings are now saved. The detector will now operate automatically according to the preset values. ⚠ **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.
	Additional functions via Mobil-PDi/MDi remote control
TEST	**Checking the range/detection using test mode** 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**. ⚠ **NB:** Exit test mode by pressing the "TEST" or "RESET" button.
ON/OFF	**Switch "lighting C1" on/off manually (replaces button)**
4h ON/OFF	**"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.
RESET	**Interrupting the "TEST", "light ON/OFF", "light 4 h ON/OFF" functions** The detector switches back to the corresponding set operating mode.

7 • ADDITIONAL MANUAL CONTROL BY BUTTON

The detectors have a separate "S" terminal for connecting an external button (button – operating current – with zero conductor connection). This means that the detector can be manually overridden at any time so that the **"lighting channel"** can be switched on or off individually.
Manual switch-on: the lighting will remain switched on for as long as the detector continues to detect movement. If movement is no longer detected, the preset time setting will start. Once this time has elapsed, the lighting will switch off and the detector will revert to the set operating mode.
Manual switch-off: the lighting will remain switched off for as long as the detector continues to detect movement. If movement is no longer detected, the preset time setting will start. Once this time has elapsed, the detector will revert to the set operating mode.