

FLAT IS **ESY,**
BECAUSE IT REPRESENTS
MAXIMUM PERFORMANCE
WITH SLIM DESIGN

**FLAT SERIES PRESENCE
AND MOTION DETECTORS**



OUTSTANDINGLY FLAT

6 MILLIMETRES: ADDED HEIGHT WITH NO COMPROMISE ON EFFICIENCY

With the flat presence and motion detectors from the FLAT series, there is finally something to shout about when it comes to room aesthetics: The housing and lenses have been flattened to achieve a height of just 6 mm when surface-mounted on ceilings for a minimum obtrusive look. The clear lines also fit seamlessly into even the most challenging room architecture. Your planning freedom therefore knows no limits.

If you are searching for a first-class range of designs, you will always find the perfect variety with the ultra-flat FLAT detectors: available in white and black, and in a choice of round or square contours. For use on exposed concrete, the covers are also available in concrete grey* or, for even greater design freedom, with a high-quality glass surface.*

*Available as a separate accessory.



AUTOMATICALLY EFFICIENT

EFFICIENT AUTOMATION SAVES COSTS

The FLAT detectors not only save height, they also save costs: because they only use light where someone is actually present, this significantly reduces energy consumption. The one-part detectors also guarantee simple installation and the durable quality makes the automation solution maintenance-free.

MINIMUM INSTALLATION DEPTH AND MOUNTING HEIGHT

The FLAT presence and motion detectors are ideally suited for indoor use – including close to doors, thanks to the minimum mounting height of 6 mm. The low overall height of the power box results in an installation depth of only 24 mm, leaving enough space for quick and simple wiring.

POWERFUL DETECTION

Despite its flat lens, the FLAT series also demonstrates high output in detection: Thanks to the passive IR sensor, at an installation height of 2.5 to 3 m, the average range extends over 8 m with a 360° detection angle. This means that a large workspace with a variety of different movement processes can be covered with a single detector. The connection of several detectors in parallel for an even greater range is easy, thanks to the push terminals with through-wiring function, including a master-slave mode. The switch-off delay time can be flexibly and easily adjusted by infrared remote control.

THREE FIELDS OF DETECTION FOR OPTIMUM ROOM COVERAGE

Operating area up to 4 m Ø

- High-precision detection of small movements
- Ideal over workplaces

Head-on passage area up to 6 m Ø

- Field of detection of walking movements
- In all directions
- Ideal for the area between desks

Diagonal passage up to 8 m Ø

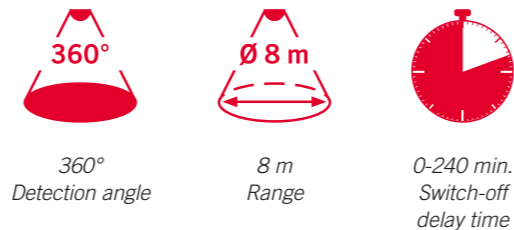
- Detection of walking movements across the detector
- Ideal for the edges of office space



**RADIATION-FREE PIR SENSORS
WITHOUT ELECTROSMOG**

ALSO HIGHLY VERSATILE INSTALLATION OPTIONS

The white variant of the round FLAT detector is also available as FLAT LARGE (104 mm Ø) for larger recessed boxes. In combination with the matching ESYLUX surface-mounted box C IP 20, the FLAT LARGE detectors also have an additional installation option.



POWER IN PERFECT HARMONY

The FLAT detectors not only control the lighting, but also show the room aesthetics in the right light – particularly in harmonious interplay with subtle downlights such as the ELSA or STINA models from ESYLUX.



ELSA with round or square housing



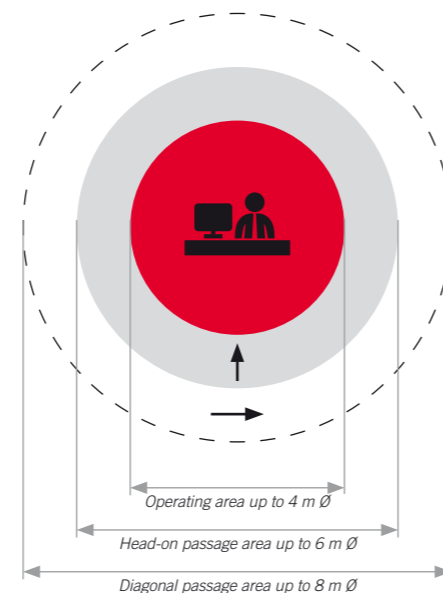
STINA available in black or white



PD-FLAT 360i/8 GLASS SQUARED WHITE,
ELSA 125



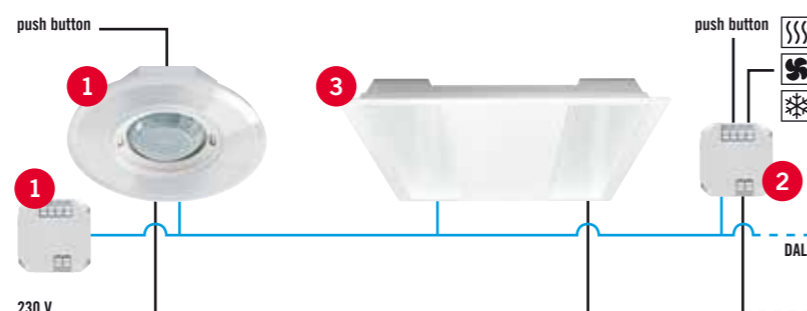
PD-FLAT 360i/8 GLASS ROUND BLACK,
STINA 90



ALWAYS FLEXIBLE

DIGITAL ROOM AUTOMATION WITH THE DALI-SWITCH

In combination with the DALI-Switch, the FLAT presence detectors offer the perfect introduction to digital room automation. The individual requirements can be adjusted manually at any time. The DALI-Switch's additional switching channel allows conventional consumers such as ventilation, multimedia devices or air conditioning units to be integrated and controlled, enabling them to automate all the room technology with even lower power consumption. Another advantage of the DALI bus is the simple cabling and wiring – and broadcast operation dispenses with complicated software configuration.



- 1 PD-FLAT-S 360i/8 RW DALI incl. CU PS DALI power supply, item no.: EP10428708
- 2 SW DALI Full Automation, item no.: EP10427473
- 3 ESYLUX ceiling lights, NOVA series

DALI	
Product designation	Item no.
PD-FLAT 360i/8 RW DALI	EP10427541
PD-FLAT 360i/8 SW DALI	EP10427558
PD-FLAT 360i/8 RB DALI	EP10427916
PD-FLAT 360i/8 SB DALI	EP10427909
PD-FLAT-S 360i/8 RW DALI	EP10428708
PD-FLAT-S 360i/8 SW DALI	EP10428715
PD-FLAT-LS 360i/8 RW DALI	EP10428661

230 V	
Product designation	Item no.
MD-FLAT 360i/8 RW	EP10427886
MD-FLAT 360i/8 SW	EP10427893
MD-FLAT 360i/8 RB	EP10428074
MD-FLAT 360i/8 SB	EP10428081
MD-FLAT-E 360i/8 RW	EP10428548
MD-FLAT-E 360i/8 RW GST	EP10427862
MD-FLAT-L 360i/8 RW	EP10428609
PD-FLAT 360i/8 RW	EP10427930
PD-FLAT 360i/8 SW	EP10427923
PD-FLAT 360i/8 RB	EP10427954
PD-FLAT 360i/8 SB	EP10427947
PD-FLAT-E 360i/8 RW	EP10428555
PD-FLAT-E 360i/8 RW GST	EP10427879
PD-FLAT-L 360i/8 RW	EP10428623

KNX	
Product designation	Item no.
PD-FLAT 360i/8 RW KNX	EP10451706
PD-FLAT 360i/8 SW KNX	EP10451713
PD-FLAT 360i/8 RB KNX	EP10451768
PD-FLAT 360i/8 SB KNX	EP10451775
PD-FLAT-L 360i/8 RW KNX	EP10428685

For all their versatility, the FLAT detectors all follow one single principle: efficient automation for any building. After all, the variety of their connection options with such slim design is unrivalled on the market.



FURTHER ADVANTAGES

- Also available as a set including DALI bus power supply (e.g. PD-FLAT-S 360i/8 RW DALI)
- DALI broadcast for easy commissioning, independent configuration of the electronic ballast
- Field of detection can be extended using master-slave communication
- HVAC systems can be expanded with the ESYLUX DALI-Switch
- Input for conventional switches



The 230 V devices are characterised by their particular durability: Zero-cross switching reliably protects the relay of the detector against high in-rush currents.

FURTHER ADVANTAGES

- Zero-cross switching for switching behaviour that protects the relay
- Field of detection can be extended using parallel wiring
- Includes push button input
- Also includes PD-FLAT mounting box and pre-assembled GST18i3 inlet and outlet



A night-light feature is integrated into the FLAT KNX detector, which can be simply activated and deactivated using a push button. Seven different colours are available for the night light thanks to the three RGB LEDs installed behind the lens.

FURTHER ADVANTAGES

- Extensive configuration options from 47 communication objects
- Presence and daylight dependent constant light control
- Detector can be configured as master or slave
- Two orientation levels
- Night-light feature with 7 selectable colours
- Separate presence detector in the KNX system

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