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Detection &
Automatic
lighting systems

the Hager group

With more than 9000 employees worldwide and a line of innovative products, the Hager Group is one of the leading manufacturers of electrical distribution system for homes, tertiary buildings and industrial premises.

Our goals

Making an important contribution by supplying households with safe, economic and comfortable electric power.

Our ambition is to offer the market a complete range of products and services for homes, tertiary buildings and industrial premises.

Established almost 50 years ago and still an independent family owned business, Hager is a major worldwide player in electrical control and distribution systems.

A global company

The expansion of the Hager Group worldwide was not only limited to creating commercial agencies, but included the set up of a global industrial organisation with full design and production capabilities to offer the various markets suitable products.

Today the Hager Group is present in 60 countries with more than 2300 sales points and offers various products and systems meeting very different needs.

Telford - UK

Our quality standard is about people

Although Hager's success was based on the relevance of its offer and the performance of its industrial organization, Human Resources are its basic and fundamental assets. Hager's renowned quality for products, services and sales organisation was made possible by the use of advanced equipment and a Quality Assurance System registered to ISO 9001. But it was made possible first and foremost by the involvement of the highly qualified men and women of the Company using such equipment and implementing such Quality Organisation.

Obernai - France

Ensheim - Germany

Tehalit headquarters in Heltersberg - Germany

Detection Automatic Lighting Systems

This family groups together all the devices for automatic control of lighting in both the residential and private/public industry sectors.
They enhance security for exterior accesses to residential homes, garages and halls, and guarantee significant savings in lighting power consumption by illuminating only when necessary.

**The movement detectors
pages 4, 5, 6 and 7**
automatically switch on lighting in case a person in movement is detected.

**The presence detectors
page 8**
detect the presence of a person even in a static position and automatically switch on lighting.

Features

- A solution for each type of application.
- A design of pleasant and harmonious curves.
- An integration of the control function at the lighting level.
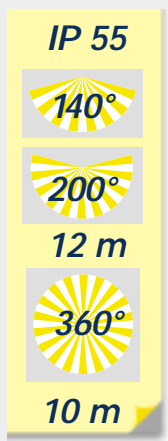
- An IP55 reinforced waterproofing.

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Lumimat D

**Infrared detectors
for interior and exterior lighting**

ref.: EE801

ref.: 52363

IP 55

140°

200°

12 m

360°

10 m

Features

- Detectors sensitive to infrared radiation linked to heat emitted by any body in movement such as people, animals, etc.
- Devices designed for the automatic control of lighting around or inside the home.
- Easy to install, for any type of mounting: wall, interior corner, exterior corner, ceiling for Lumimat D140 and 200; wall or exterior corner for Lumimat D360.
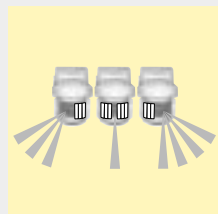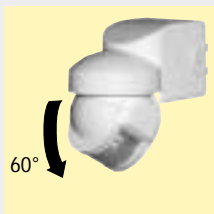
References

Reference	Name	Detection angle	Cutoff power	Contact
EE800	Lumimat D140 white	140°	1000 W incan.	─✓─
EE802	Lumimat D140 black	140°	1000 W incan.	─✓─
EE801	Lumimat D200 white	200°	1000 W incan.	─✓─
EE803	Lumimat D200 black	200°	1000 W incan.	─✓─
52362	Lumimat D360 white	360°	1000 W incan.	─✓─
52363	Lumimat D360 black	360°	1000 W incan.	─✓─

• **Increases your security by dissuading undesirable visitors.**

• **Improves your comfort by lighting your arrival and that of your friends.**
• **Saves you money …**
   … by saving energy, since your lamp is only switched on when necessary after detection; and no forgotten switch-offs; it is automatically switched off after a time setting you preset.
• **And more … !**
   These small details make the difference. For example,
   for the 140° and 200° detectors:
   - vertical pivoting
   - horizontal rotation
   - limitation of the detection zone.

60°

± 80°

The detection zone is adjustable by vertically pivoting the detection head 60° and horizontally rotating it ± 80°.

Limiting the detection zone by using the caps supplied prevents undesirable lighting caused by neighbours, passing cars, etc.

Flash

Lumimat P

**Halogen floodlights equipped
with an infrared detector**

ref.: 52546

ref.: 52545

IP 55

140°

200°

12 m

Features

- Halogen floodlights equipped with an infrared detector, allowing easy replacement of an existing lighting device, in order to ensure automatic lighting when a person or an animal approaches.
- Integrated detector sensitive to infrared radiation, for functioning day and night, or only at night.
- Also allows controlling additional lamps for a total maximum supplementary load of 500 W.

References

Reference	Name	Detection angle	Cutoff power	Contact
52035	Lumimat P150 black	140°	150 W	⌐✎ ▬
52038	Lumimat P150 white	140°	150 W	⌐✎ ▬
52545	Lumimat P150 black	200°	150 W	⌐✎ ▬
52546	Lumimat P150 white	200°	150 W	⌐✎ ▬
52031	Lumimat P500 black	140°	500 W	⌐✎ ▬
52032	Lumimat P500 white	140°	500 W	⌐✎ ▬
52541	Lumimat P500 black	200°	500 W	⌐✎ ▬
52542	Lumimat P500 white	200°	500 W	⌐✎ ▬

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Tectomat 360

Infrared movement detectors for interior lighting, ceiling mounted
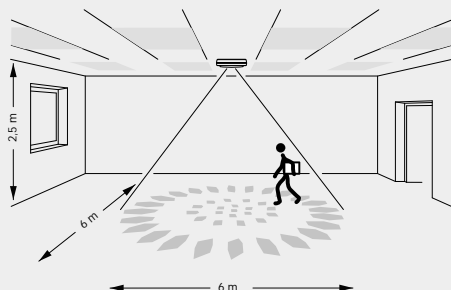

ref.: EE804 / 52370

ref.: EE805 / 52371

360°

6m x 6m

Features

- Movement detector for the automatic control of lighting in walk circulation zones. Flush fitting or surface mounting.
- Adjustable integrated twilight switch function.
- Mounting of Tectomat 360 SE in a standard 75 mm dia. wall box and fastening by two spring clips.
- Mounting of Tectomat 360 S flush fit on wire outlet, on connecting box or on mouldings thanks to side pre-cutouts.
- Control of lighting by 8 A volt-free contact.
- Mounting in parallel possible.

References

Reference	Name	Mounting	Cutoff power	Contact
EE804/52370	Tectomat 360S	Surface mounting	1000 W incand.	⌇–
EE805/52371	Tectomat 360SE	Flush fitting	1000 W incand.	⌇–

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Tectomat Presio

Presence detectors over 360° for interior lighting, ceiling mounted
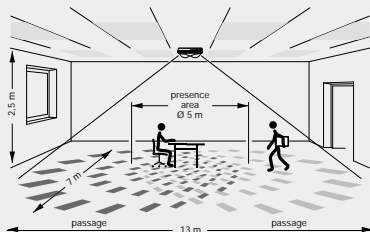
ref.: EE810

ref.: EE813

IP 41

360°

7m x 13m

Features

- The double lens of the Tectomat Presios (Flash patent) offers an exceptional fineness in infrared detection. Micro movements are sufficient to switch on and maintain the light on. They are particularly adapted for controlling the lighting of offices, conference rooms, class rooms, etc.
- Lights are inhibited from being switched on if natural light is sufficient in the room.
- Master/slave operation, to synchronise several detectors.
- The orientable head allows adapting the detection zone according to the room's configuration.
- The Tectomat Presio IR version allows maintaining, in addition to presence detection, a constant illumination level by variation, regardless of the lighting conditions.
- The 2 S version allows, in addition, controlling another lighting circuit or ventilation. A pushbutton input is used to override.

References

Ref.	Name	Output
EE810	Tectomat Presio 1S	1 lighting output
EE811	Tectomat Presio 2S	2 output
EE812	Tectomat Presio 1R	1 x 1/10 V output for light regulation
EE813	Accessories for surface mounting	

Presence detector

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Comments

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Your distributor

This mini-catalogue presents to you Hager solutions in passage detection and automatic lighting, which will facilitate installation and make life more comfortable in the home, office and commercial premises. Flash is part of the Hager Group