Data sheet

STEINEL®
PROFESSIONAL

Optical sensor

HPD2

EAN 4007841033200

Functional description

It has taken the world's best specialists and universities over 5 years to develop this system that analyses images directly in the sensor. With the HPD2 – HPD stands for "Human Presence Detection" – STEINEL is making a quantum leap in sensor technology. Because HPD2 is the world's first presence detector that is not only capable of detecting whether people are present but can also count them. No matter whether moving about or not. At the heart of the human presence detector is innovative technology that uses a highly sensitive optical system in combination with a complex mathematical algorithm. The HPD2 also has integrated temperature and humidity sensors, opening up completely new possibilities in building automation. At last, not only light but also heating and air-conditioning can now be controlled in line with demand for the number of people present in a room. Identifying actual room use, the HPD2 can also be used for managing meeting rooms or for detecting unused office workstations for flexible desk management.

Technical specifications

Type of accessory	Adapter
Dimensions (L x W x H)	52 x 86 x 156 mm
Mains power supply	21.0 – 30,0 V
Power supply, detail	KNX bus, additional voltage of 18-57 V DC, 130 mA bus current
Sensor Technology	Optical sensor
Application, place	Indoors
Application, place, room	One-person office, corridor, aisle, equipment room, Open-plan office, conference room
Installation site	wall
Type of installation	Surface wiring
Electronic scalability	Yes
Mounting height	2,30 – 6,00 m
Optimum mounting height	2,80 m
Detection angle	110 °
Angle of aperture	110 °
Reach, radial	r = 10 m (96 m²)
Reach, tangential	r = 10 m (96 m²)
Reach, presence	r = 10 m (96 m²)
Time setting	1 s – 255 min
Constant-lighting control	Yes
KNX functions	Light level, Humidity output, Presence output, Temperature output
With bus coupling	Yes
Settings via	Bus
With remote control	No
IP rating	IP20
Material	Plastic
Ambient temperature	0 – 40 °C
Colour	white
Colour, RAL	9010
Manufacturer's Warranty	5 years

https://www.steinel-professional.de/

Data sheet

HPD2

EAN 4007841033200

Model	KNX