STEiNEL®
PROFESSIONAL

True Presence®
The digital sensor revolution

True Presence®
People at the centre of a digital sensor revolution.

To be or not to be? What counts? What is really important? These are the questions we asked ourselves when we were pushing the further evolution of our sensor technology. Today's presence detectors actually are nothing more than enhanced motion sensors. And how can a motion sensor be improved even further? The answer came quickly: By concentrating on presence instead of motion. True presence means that a person is present – even when he is not moving. That really changes things. We took on the challenge. We met it.

True Presence® is the world's first true presence detector. It reliably detects the presence of a person. No matter what this person is doing: walking, standing, sitting, reading, resting or sleeping. This is real digital knowledge of presence or absence. This is essential information for existing or future building management.

True Presence® detects micro-movements resulting from the vital functions of a human. Even the slightest movement of the chest or shoulders when breathing is sufficient for a reliable detection.

The evolution of precision sensors.

True Presence®

IR Quattro HD

Presence detectors

Motion detectors

True Presence® detects micro-movements resulting from the vital functions of a human.

True Presence®
Sensory organs for digitalisation.

Our True Presence® technology is based on detailed high-frequency measurements of the surroundings. The presence of humans is indicated when 3-dimensional breathing patterns (micro-movement resulting from vital functions) are detected. The combination of a highly sensitive antenna with unique sensor software results in a 100% detection of humans. The distance of the person to the sensor, the movement vector and the body posture is registered as well. And all of this so quickly and so precisely that an additional stay ON time is no longer required.

Sometimes it's the little details that result in major changes. Even when most people hardly notice presence detectors on the ceiling: the new True Presence® detectors will leave a lasting impression. The outstanding design indicates a revolution on the inside. True Presence® is the flagship of the presence detector evolution and opens up a new era in building sensor technology.

The true presence® product family combines revolutionary technology with an enhanced sensor design on a digital basis. And easy to control via app and Bluetooth.

Advanced high-frequency antenna with the highest resolution.

Digital configuration of the detection zones and the sensor specifications.

High-speed CPUs for sensor data evaluation.

True Presence®

It is the first detector for identifying human presence. It reliably detects presence and absence of people in a 64 m² area, the "True Presence®". At a previously unattainable 177 m², it has even been possible to triple its total presence detection zone over conventional presence detectors.

True Presence® Multisensor KNX

True Presence® technology with enhanced senses for brightness, room temperature, humidity, CO2, VOC and air pressure – no secrets for this sensor.

Multisensor Air KNX

Good air makes people active and keeps people healthy. This extension of the True Presence® family concentrates on the detection of temperature, humidity, air pressure, volatile organic compounds (VOC), CO_2 and brightness.
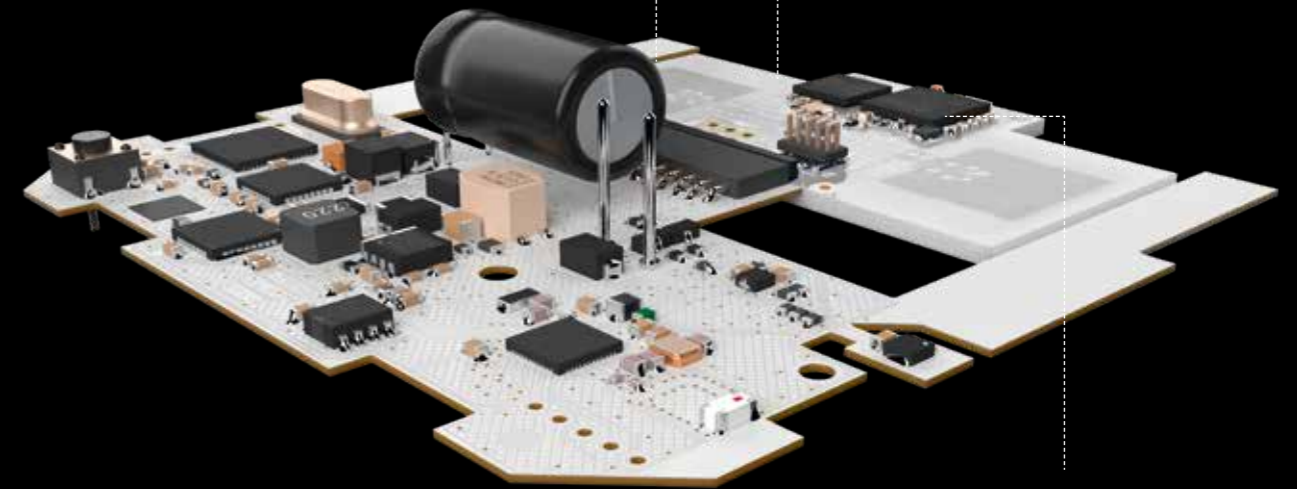
Hallway

Specialists are needed for long hallways and aisles. Hallway detects the movement vector as well as if someone is on the left or the right with a detection zone of 25 m.

True Presence®
Solutions for more efficiency, health, safety and comfort.

Building intelligence starts with a sense, just like with humans. Sensors record data and transmit this to a central processing unit where it is analysed and evaluated. The information resulting from this analysis is then available for the technical actuators within the building. The intelligent building continuously collects this knowledge and continuously optimises the performance automatically.

True Presence® can detect true human presence in the room no matter what these people are doing. Long follow-up timing is not necessary anymore. The information "presence of humans" now becomes a control parameter for building automation. And even when this technology is already available on the market, it still has not revealed its full potential yet. Combining true presence® with the detection of temperature, humidity, VOC and brightness makes sensors real sensory organs and gives your building the information that is necessary for true **building intelligence**.
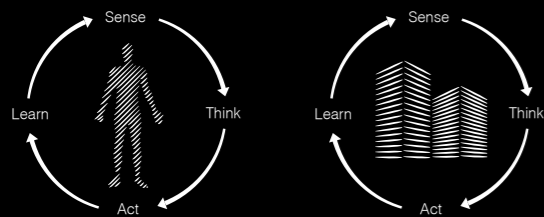
Occupancy and service management. Which room is available, which room is still occupied? It is embarrassing and inefficient when service personnel enter a room that is still occupied. The Hospitality-Solution lets you easily detect which rooms still have guests present and which do not. The Service is optimised and is much quicker.

Care room monitoring.
The number of elderly people is constantly increasing. The special Elderly Care solutions let True Presence® reliably detect the vital functions of people that require care - it detects presence and absence as well as deviations from normal situations and problematic conditions,

Creating a good interior climate.
The true presence® Multisensor KNX reliably analyses the room and provides the basis for optimal ventilation, air conditioning, shading and more. It creates a healthy atmosphere and makes sure that the lights stay on during classroom work.

Wireless interconnection
and configuration via
Bluetooth.

The first true
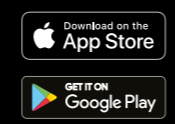presence detector!

True Presence®
The first true presence detector.

Looking forward follows looking up. true presence® was developed to be the first true presence detector. It reliably indicates if a person is in the room or not. This means that reliable absence detection is possible for the first time. This information allows the reliable activation and deactivation of lighting without the need for stay ON times and without any waste of electricity. The detailed knowledge concerning presence and absence results in numerous other applications that can be very valuable for building management.
This sets a new standard in advanced building automation.

New, unique design

Mounting
height 2 - 12 m

Detection can be digitally
configured.

True Presence Ø 9 m	presence Ø 15 m	movement Ø 15 m	360°	**5 YEAR** MANUFACTURER'S WARRANTY manufacturer's warranty
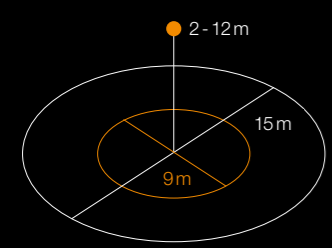
Surface-mounted
installation

Concealed
installation

Concealed
installation (KNX)

2 - 12 m

15 m

9 m

Mounting height 2 - 12 m
True Presence®-zone Ø 9 m / 64 m^2
Presence zone Ø 15 m / 177 m^2

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GET IT ON **Google Play**

Technical specifications
Dimensions (L x W x H):
Surface installation 122.7 x 122.7 x 45 mm
Concealed installation 103 x 103 x 50 mm
Power supply: 220 - 240 V, 50 / 60 Hz

COM1 / COM2:
Output COM1/COM2: max. 2000 W, max. 8
fluorescent lamps / LED lamps C < 176 µF
Output COM2: max. 230 W / 230 V, max. 1 A

DALI:
Output DALI: 1 x 2-conductor DALI-control line /
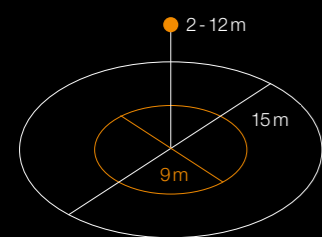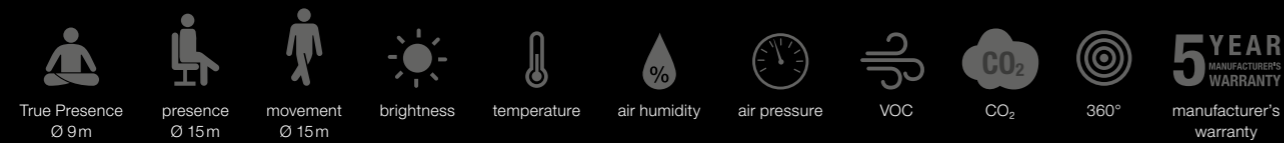broadcast for 64 electronic ballast

KNX:
Power supply: KNX bus voltage

Sensor type: high frequency
Angle of coverage: 360°
Reach: Ø 9 m true presence®, Ø 15 m presence,
Ø 15 m motion (mounted at a height of 2.8 m)
Twilight setting: 2 - 1000 lx
Time setting: COM1 / COM2 / DALI:
0 sec - 30 min, KNX: 0 - 255 min
IP rating: IP20 (surface mounted) / IP54 (concealed mounting)
Mounting height: 2 - 12 m
Temperature: -20 to +50 °C; 0 to +40 °C (KNX)
Material: UV-resistant plastic
Network: wireless connection via Bluetooth
KNX version - sensor detection variables:
True Presence®, temperature, humidity

True Presence®
COM1 AP EAN 4007841 057916
COM1 UP EAN 4007841 057923

COM2 AP EAN 4007841 057930
COM2 UP EAN 4007841 057947

DALI AP EAN 4007841 057954
DALI UP EAN 4007841 057961

KNX UP EAN 4007841 056339

True Presence® Multisensor KNX.
Seven senses for intelligent buildings.

The most precise presence detector ever becomes the ultimate sensory organ. Additionally to the true detection of people, brightness, ambient temperature, humidity, air pressure, volatile organic compounds (VOC) and CO_2 are available. Information that brings the digitalisation of building automation a great deal further. This combination makes the true presence® Multisensor KNX a good investment in building intelligence, a comfortable environment for people and real efficiency. The best comes from above – precise, digital information for an advanced building management.

True Presence Ø 9 m	presence Ø 15 m	movement Ø 15 m	brightness	temperature	air humidity	air pressure	VOC	CO_2	360°	5 YEAR MANUFACTURER'S WARRANTY manufacturer's warranty

The first true presence detector!

KNX interface for easy integration.

Configuration via Bluetooth.

Mounting height 2 - 12 m

7 sensor detection variables: true presence®, brightness, temperature, humidity, air pressure, volatile organic compounds (VOC), CO_2

Detection can be digitally configured.

2 - 12 m

15 m

9 m

Mounting height 2 - 12 m
True Presence®-zone Ø 9 m / 64 m²
Presence zone Ø 15 m / 177 m²

Technical specifications
Dimensions (L x W x H): 123 x 123 x 31 mm
Power supply: KNX bus voltage
Sensor type: Multisensor
Angle of coverage: 360°
Reach: Ø 9 m true presence®, Ø 15 m presence, Ø 15 m motion (mounted at a height of 2.8 m)
Twilight setting: 2 - 1000 lx
Timer setting: 0 - 255 min
IP rating: IP20
Mounting height: 2 - 12 m
Temperature: 0 to +40 °C

Sensor detection variables:
true presence®, brightness, temperature, humidity, air pressure, volatile organic compounds (VOC), CO_2
Material: UV-resistant plastic
Network: wireless connection via Bluetooth

True Presence® Multisensor KNX
EAN 4007841 056353

Configuration via
Bluetooth.

KNX interface for easy
integration.

Multisensor Air KNX
## Concentrating on a healthy interior climate.

The true presence® product family sets new standards. The system is rounded off with sensors that provide additional information reliably. The Multisensor AIR KNX specialises in air, brightness and temperature detection. Without true presence® detection, but still with the modern unique look, it easily fits into the appearance of a modern building. The sensor with a sense for a good atmosphere.

| brightness | temperature | air humidity | air pressure | VOC | CO₂ | manufacturer's warranty |

brightness | temperature | air humidity | air pressure | VOC | CO$_2$ | 5 YEAR MANUFACTURER'S WARRANTY manufacturer's warranty

6 sensor detection variables:
temperature, humidity, air pressure,
volatile organic compounds (VOC), CO$_2$,
brightness
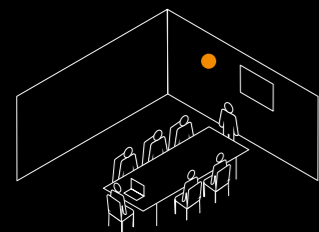
6 sensor detection variables for
customised measurement

Technical specifications
Dimensions (L x W x H): 123 x 123 x 31 mm
Power supply: KNX bus voltage
Sensor type: Multisensor
IP rating: IP20
Temperature: 0 to +40°C
Sensor detection variables:
Brightness, temperature, humidity, air pressure,
volatile organic compounds (VOC), CO$_2$,
Material: UV-resistant plastic
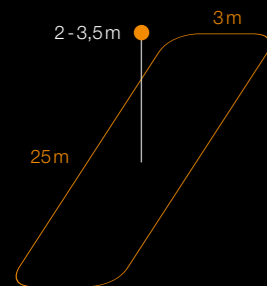Network: wireless connection via Bluetooth

Multisensor Air KNX
EAN 4007841 056346

Interfaces for
COM 1, COM 2,
DALI and KNX

Wireless interconnection
via Bluetooth.

Hallway
The specialist for long hallways and aisles.

The better hallway sensor knows more. Movement vector (coming and going) as well as if someone is on the left or the right. And this with a detection zone of 25 m. Naturally, the reach can also be adjusted in both directions. It provides more information than any other hallway sensor. Bluetooth technology ensures that the Hallway can be configured and interconnected into existing networks conveniently. And the distinguished design makes it an important member of the true presence® family.

360°　　max. 25 x 3 m　　2 - 1000 Lux　　5 sec - 15 min　　0 - 255 min KNX-Version

5 YEAR MANUFACTURER'S WARRANTY
manufacturer's warranty

Reach can be adjusted separately in two directions.

Perfect radial detection up to 25 m hallway length.

Surface-mounted installation

Concealed installation

Concealed installation (KNX)

2 - 3,5 m　　3 m

25 m

Mounting height 2 - 4 m
Detection zone 25 m / 75 m²

Download on the **App Store**

GET IT ON **Google Play**

Technical specifications
Dimensions (L x W x H):
Surface mounting: 122.7 x 122.7 x 61.9 mm
Concealed installation: 102.7 x 102.7 x 66.5 mm
Power supply: 220 - 240 V, 50 / 60 Hz

COM1 / COM2
Output COM1/COM2: max. 2000 W, max.
8 fluorescent lamps / LED lamps C < 176 µF
Output COM2: max. 230 W / 230 V, max. 1 A

DALI:
Output DALI: 1 x 2-conductor DALI-control line / broadcast for 64 electronic ballast

KNX:
Power supply: KNX bus voltage

Sensor type: high frequency
Angle of coverage: corridor, both directions
Reach: min. 3 x 2 m, max. 3 x 12.5 m in all directions
Twilight setting: 2 - 1000 lx
Time setting: COM1 / COM2 / DALI:
0 sec - 30 min, KNX: 0 - 255 min
IP rating: IP54 concealed installation / IP20 surface installation
Mounting height: 2 - 4 m
Temperature: -20 to +50 °C; 0 to +40 °C (KNX)
Material: UV-resistant plastic
Network: wireless connection via Bluetooth

Hallway
COM1 AP EAN 4007841 057978
COM1 UP EAN 4007841 057985

COM2 AP EAN 4007841 057992
COM2 UP EAN 4007841 058005

DALI AP EAN 4007841 058012
DALI UP EAN 4007841 058029

KNX UP EAN 4007841 058036

STEINEL®