



## 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® 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.



True Presence®

It is the first detector for identifying human presence. It reliably detects presence and absence of people in a 64m² 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, radial object distance, approaching and moving away, 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), CO₂ 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.

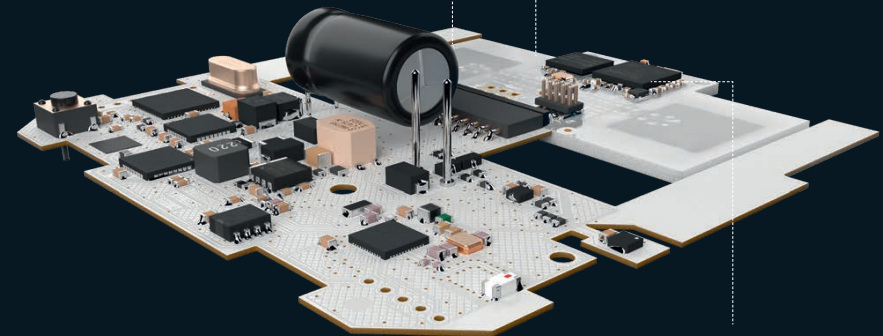


True Presence® detects micro-movements resulting from the vital functions of a human.



Digital configuration of the detection zones and the sensor specifications.

Advanced high-frequency antenna with the highest resolution.

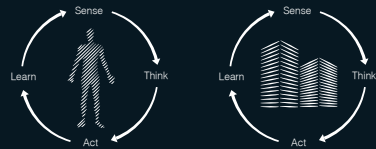


High-speed CPUs for sensor data evaluation.

## 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.



**Effective evacuation.** Worst case scenario: A cruise ship or a Hotel need to be evacuated. But how can you ensure that no passengers are left behind? True Presence® can help determine which rooms still have people inside and which do not.

