Enertex® ViTa KNX

Presence redefined.
Invisible within the push button.

Discreet in design, powerful in function.

KNX

NEW **The Enertex® ViTa KNX presence detector combines state-of-the-art radar technology with an elegant, unobtrusive push-button design.**

unlike conventional presence detectors, it is not mounted on the ceiling but replaces a classic wall-mounted push button at standard operating height. The familiar push-button function is fully retained.

The speciality:
Thanks to its discreet appearance, the Enertex® ViTa KNX blends harmoniously into any interior design entirely without the conspicuous lens typical of classic PIR detectors.

Optimized for complex room situations

Unlike conventional presence detectors, the Enertex® ViTa KNX exhibits high sensitivity not only horizontally but also vertically upwards and downwards relative to the installation position. This makes it particularly suitable for stairwells and multi-level areas, as people are reliably detected as soon as they enter the stairwell.

As a pure motion detector, it impresses with an exceptionally wide detection angle of nearly 180° (horizontal and vertical). This makes the Enertex® ViTa KNX ideal for use in door areas: the detector responds immediately when the door is opened and reliably switches on the light.

Quality made in Germany

enertex bayern gmbh
simulation entwicklung consulting

enertex® **ViTa KNX**

- *Presence and motion detector based on radar technology (HF detector)*
- *Wall mounting in a push-button format at standard operating height; no ceiling installation necessary*
- *Retains push-button functions for light switching, dimming control, and blind operation*
- *Single or double rocker operation*
- *Rocker operation separable into individual push-buttons*
- *Detection in three zones with a range of up to 10 meters (Motion detection)*
- *Detection of fast movements (e.g., walking) as well as smallest micro-movements (e.g., breathing, typing)*
- *Reliable presence detection even for people who are resting or sitting still (3m to 6m, depending on remaining activity)*
- *Differentiation of movement directions (approaching or receding) for use in passage areas, e.g., for approximate people counting*
- *Integrated sensors for temperature, humidity, and brightness*
- *Two multifunctional inputs usable as binary inputs (e.g., window contact, push-button) or for external temperature probes (e.g., Albrecht Jung Art.-Nr.: FF NTC)*
- *Option to fully deactivate the radar sensor*
- *Two status LEDs for indication when using a dome (light sensor function significantly impaired)*
- *Three separately parameterizable channels for motion/presence detection*
- *Alarm channel for motion/presence detection with filter function*
- *Additional flexibly configurable logic block*

- *Plastic housing*
  - *Fits standard flush-mounted boxes.*
  - *Variant 1181-02-AR compatible with Albrecht Jung Series A and Enertex® AluRa (Enertex® item no. 1178-xx-xx)*
  - *Variant 1181-02-LS compatible with Jung frames (Albrecht Jung item no. AC 581 xy, AV 581 xy, AS 581 xy, A 5581 xy)*
  - *Compatible with single rocker, Albrecht Jung Art.-Nr.: A 101 KO5 or single rocker Albrecht Jung Art.-Nr.: A 101 xy for single rocker operation*
  - *Compatible with double rocker, Albrecht Jung Art.-Nr.: A 102 KO5 or double rocker Albrecht Jung Art.-Nr.: A 102 xy for double rocker operation*

Features

ViTa – Vital movement detection at the highest level

The name ViTa stands for Vital Movement Detection Push Button. Its high detection performance is based on modern 60 GHz radar technology. The short wavelength enables reliable detection of even millimeter-scale movements. **With three detection zones, the Enertex® ViTa KNX provides easy-to-configure detection. For directional movements, it can identify the direction of motion and distinguish whether a person is approaching or moving away from the detector.**

Flexible wall mounting without ceiling installation

Installation offers a high degree of flexibility. The Enertex® ViTa KNX can be installed at heights of approximately 1.1 m, 1.4 m, or higher or lower without impairing detection quality. As the detector is wall-mounted, complex ceiling installation is completely eliminated, while it remains fully operable as a standard wall push button.

Detection ranges depending on type of movement

Movement is detected frontally at distances of up to 10 meters; laterally as well as upwards and downwards, the effective detection distance is up to 4 meters. The presence of a standing person is reliably detected up to approximately 6 meters, while a stationary person is detected up to 3 meters.

More than presence – integrated sensors and KNX functionality

Beyond pure presence and motion detection, the Enertex® ViTa KNX measures temperature, humidity, and brightness using integrated sensors. Two additional inputs enable further applications, for example window contacts, external push buttons, or temperature sensors.
In addition, a status LED can be controlled via KNX for indication purposes (light sensor function significantly limited). An additional logic module provides further flexibility for system integration.

The Enertex® ViTa KNX is far more than a classic presence detector. It combines high-precision radar sensing for motion and presence detection, flexible installation, extensive KNX functionality, and an elegant, understated design in a single device.

The high-quality solid aluminum frames from the Enertex® AluRa series harmonize perfectly with the sophisticated design of the Enertex® MeTa² KNX room controller. The rocker switches used are from the JUNG A series. Alternatively, frames from the JUNG A series or inserts for the JUNG LS series can be used (separate order number for the LS series).