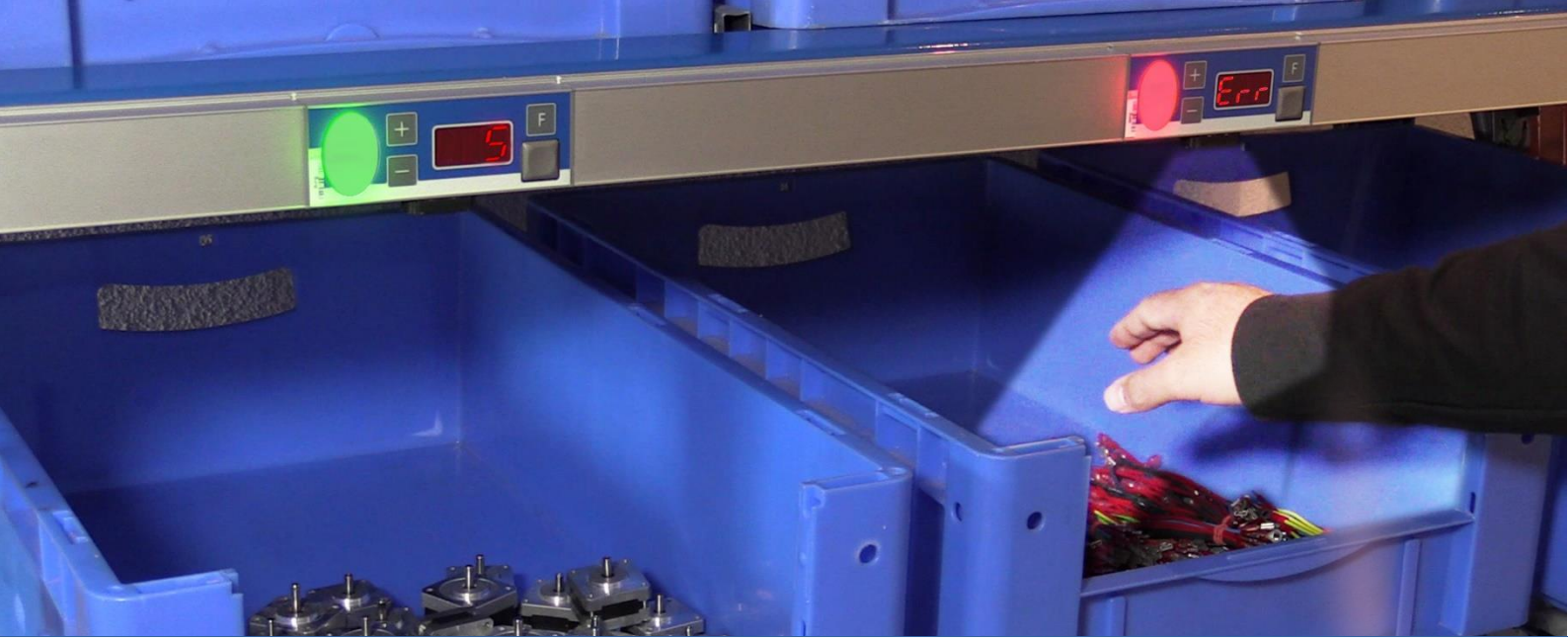


PTF-SENTINEL

Intervention monitoring with PTF-Sentinel for avoiding incorrect withdrawals

Application

Error-free order picking is particularly important in production, assembly preparation or the provision of parts. Incorrectly retrieved parts lead to defective products or subsequent reworking, which entails high costs.

Intervention sensor for the detection of picking mistakes

PTF-Sentinel was developed to detect and prevent such errors at an early stage. It detects a withdrawal or deposit from/in a bin and can immediately draw the employee's attention to it in the case of a mistake.

Innovative technology

PTF-Sentinel consists of high-performance sensors that reliably and safely detect every intervention, regardless of whether it is from the front, top or side.

The Sentinel technology features a countdown function with which the number of interventions can be displayed or monitored on the display and used for the withdrawal process.

Flexibility during evaluation

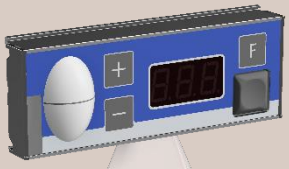
The application decides how the signal of a detected access is evaluated:
> Incorrect Picks: In the case of "access monitoring", it will check whether the affected shelf may be accessed or not. If the user reaches into a shelf that is not released, the system has different options to react (acoustically or visually). The operator is made aware of the faulty access before the wrong part can be processed.
> Withdrawal confirmation: Alternatively, the intervention signal can be used for pick or place confirmation without key acknowledgement, which can speed up picking considerably.

Flexible integration

The sensitivity of the sensors and the detection range can be individually configured for optimal adaptation to the most diverse rack and environmental conditions. This also ensures that movements outside the intervention area are not detected.

The benefits at a glance

- **Safe avoidance of faulty removals**
- **Automatic, contact-free acknowledgement**
- **High flexibility of integration even into existing systems**
- **Intervention monitoring with count down function for individual or quantity acknowledgement**



Sentinel features:

- Extra wide detection angle >60
- Extra long range up to 4 m
- Continuous intervention monitoring: up to 50 measurements per second
- Safe, invisible laser (Class 1)
- Ambient light suppression
- Up to 24 activity zones programmable

Integration of the Sentinel option possible in almost all KBS pick-by-light modules.

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