



**Sensors**

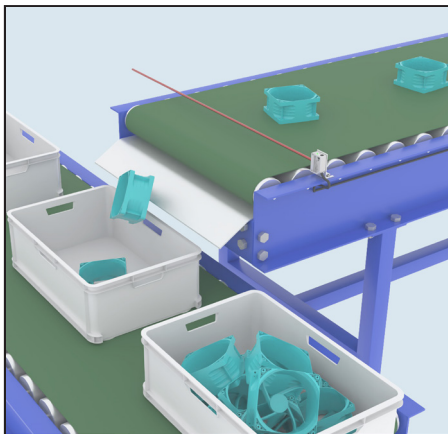


**Switches**



**Controls**

## Application notes



**Application Note : June 2021**

**Market involved : Materials handling**

**Product : PD30CT...IO**

**Customer : OEMs**

**Subject : Counting of the items in each box on the conveyor**

### CUSTOMER ISSUE :

A specific number of items need to be packed into each box.

Once the right number in the box is reached, a new box must be placed below the main conveyor.

There is no preference about the sensing principle to be used.

### OUR SOLUTION :

The PD30CT...IO or the PD30ET...IO are available in Diffuse reflective, Background suppression or Retro-reflective versions that can be suitable for this application.

By means of the IO-Link the sensor can be configured to run the operation as a stand-alone solution.

An implemented Divider function allows the possibility to enter a specific number into the sensor and once the sensor has counted the correct items, the sensor replies with its output.

### BENEFITS :

- A PLC is no longer necessary to run this operation. The sensor itself will count down from the preset value and, once the number is reached, gives information to the lower conveyor that a new box is required
- The IO-Link allows easy customization of distance, timer, logic functions as well as different output configurations