

Solutions for Zero Pressure Accumulation



Solutions for Zero Pressure Accumulation

WTR



WLR



Benefits for the customer:

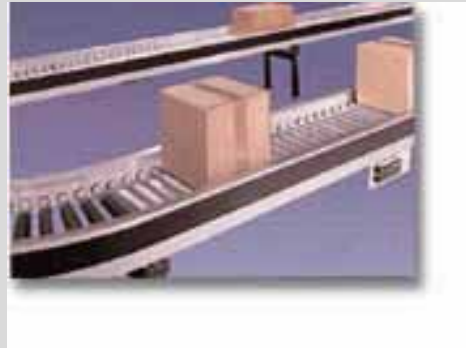
- Control the flow of goods on conveyor systems
- increase the availability of conveyor systems
- improve efficiency

ZLM

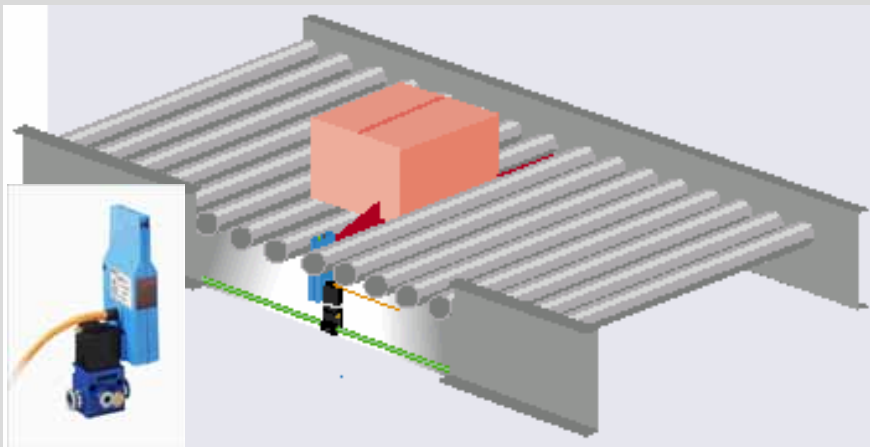


Application example 1

Conveyed goods



WTR: Under-the-conveyor



Benefits for the customer:

- 3 in 1: proximity switch, logic, solenoid valve or connection to motorized roller
- only one device has to be installed, no reflector
- well protected against damage during transport and operation due to the position between the rollers

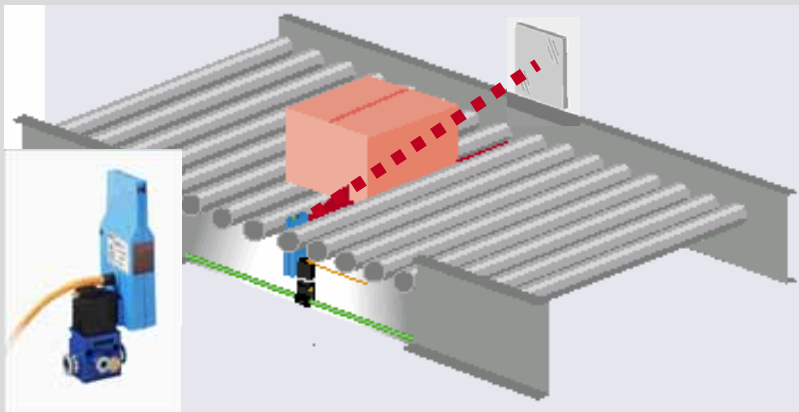
Application example 2

Conveyed goods



wrapped with a foil

WLR: Over-the-conveyor



Benefits for the customer:

- reliable detection of objects with mirroring, reflecting, shiny, depolarizing surfaces
- 3 in 1: special reflex switch, logic, solenoid valve or connection to motorized roller
- well protected against damage during transport and operation due to the position between the rollers

Application example 3



small width of conveyor

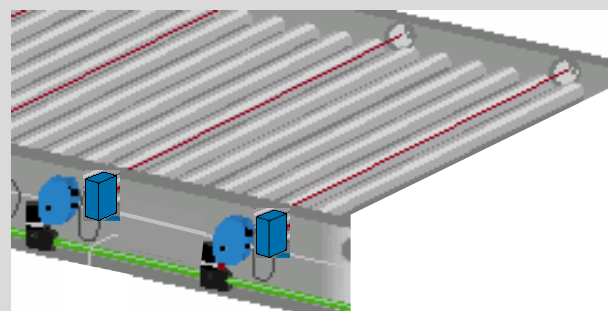
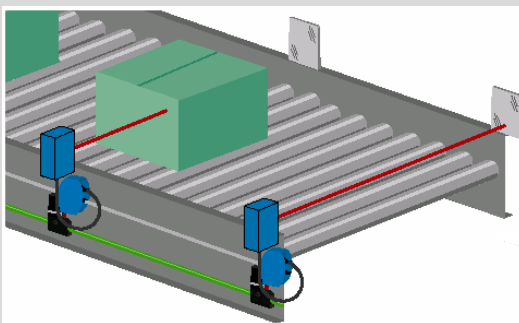
Different dimensions
of conveyed goods



Benefits for the customer:

- high flexibility
- ZLM1 in combination with optical or inductive sensors covers application in which the WTR or WLR is not suitable

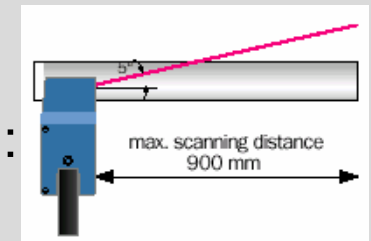
ZLM1: Over-the-conveyor Integrated in conveyor



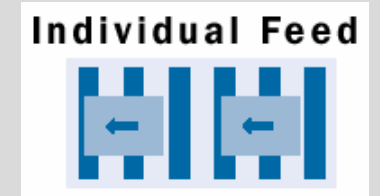


WTR: 3 in 1

1. Proximity switch with background suppression:



2. Logic:



3. Solenoid valve: Start or stop of the roller via cylinder

WTR - product range



Different types of valves



Connection for motor / valve





WLR - Special reflex switch

- Special reflex switch in combination with Diamond Grade foil
- Logic
- solenoid valve

WLR1 stands for the very good detection of mirroring, reflecting, shiny, depolarizing surfaces.



ZLM1 - and be flexible

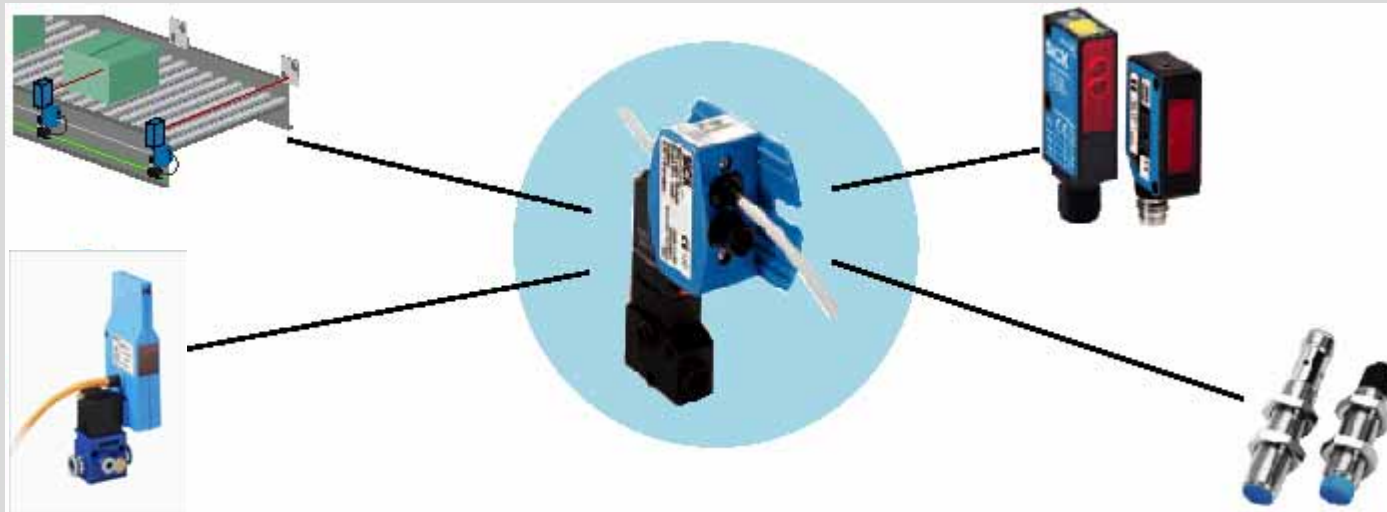
- high flexibility
- ZLM1 in combination with optical or inductive sensors covers application in which the WTR or WLR is not suitable

ZLM1 - and be flexible

ZLM: high flexibility → Different sensors can be used:

In combination with ZLM1

Opto-electronic sensors



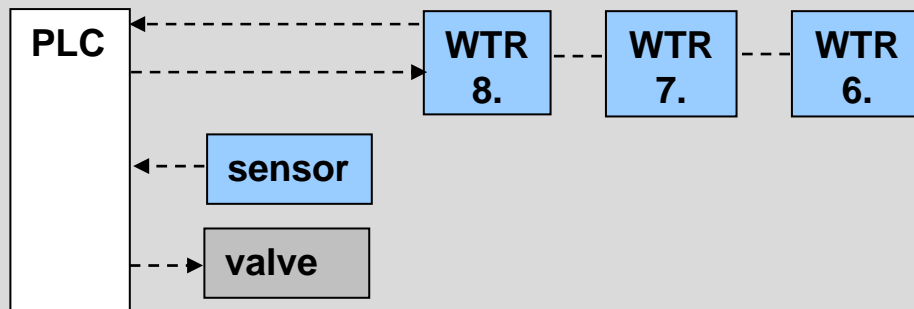
**In combination
with WTR / WLR**

Electromagnetic sensor

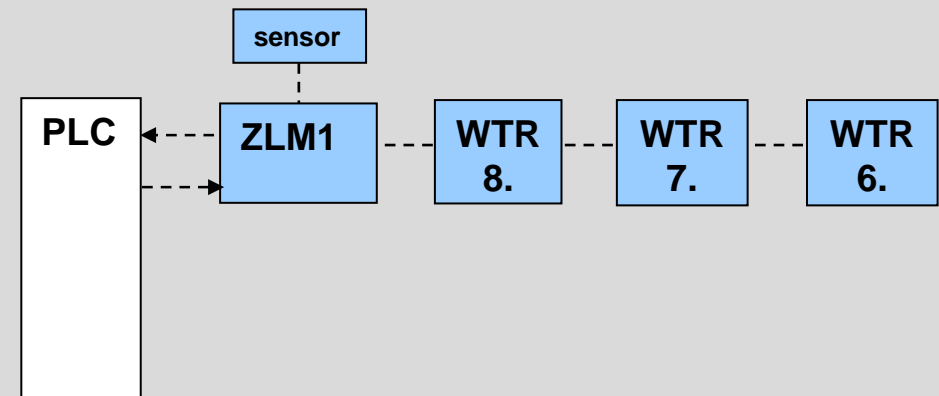
ZLM1 in combination with WTR

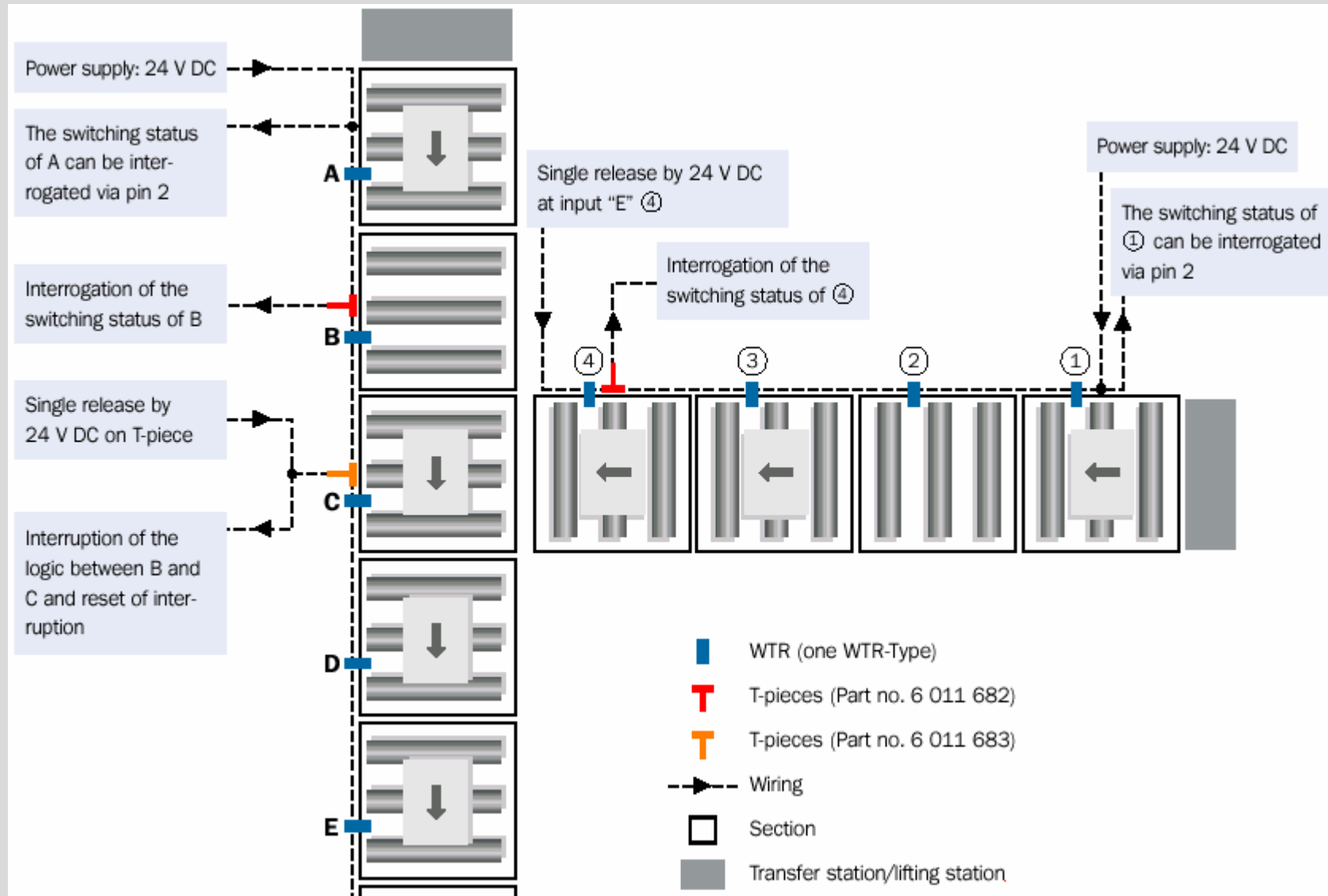
Reason: no space for WTR between the rollers at a turning station / lift station

Without ZLM1

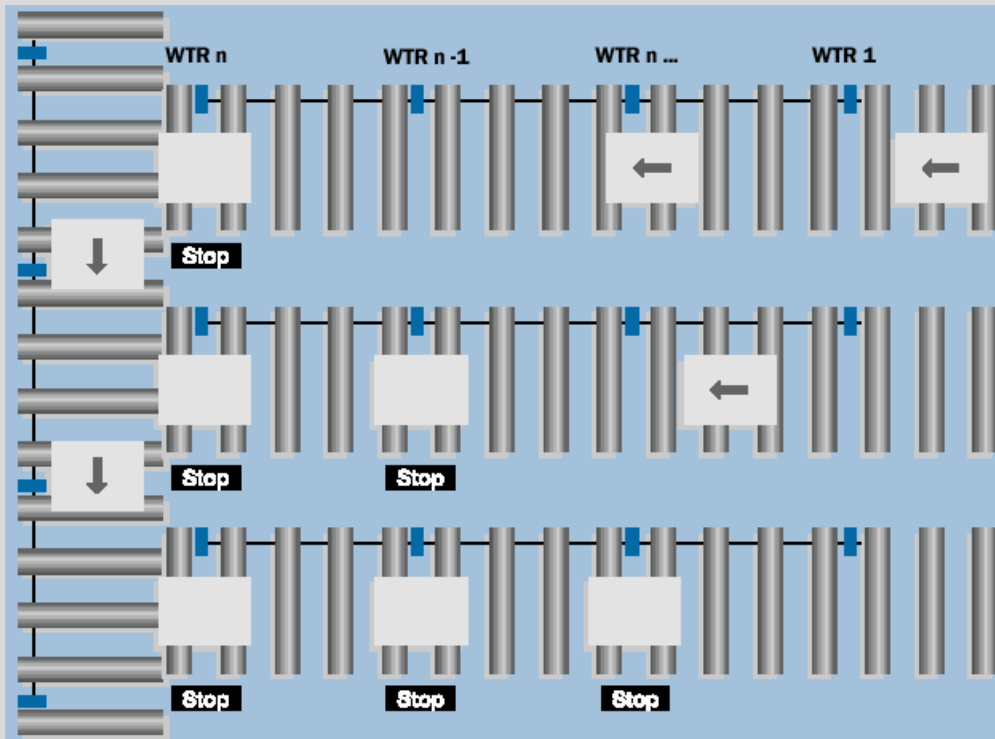


With ZLM1





Function of the logic for WTR, WLR and ZLM1



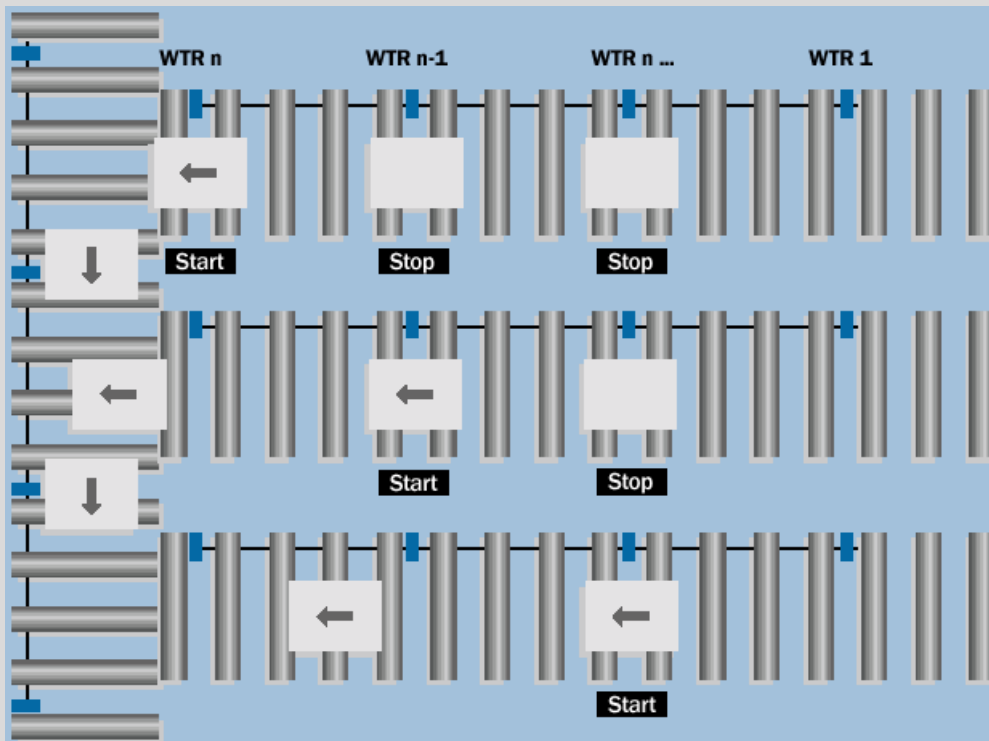
single feed

- to stop the goods
- to create a gap between the goods, protection from accumulation impact

Function of the logic for WTR, WLR and ZLM1

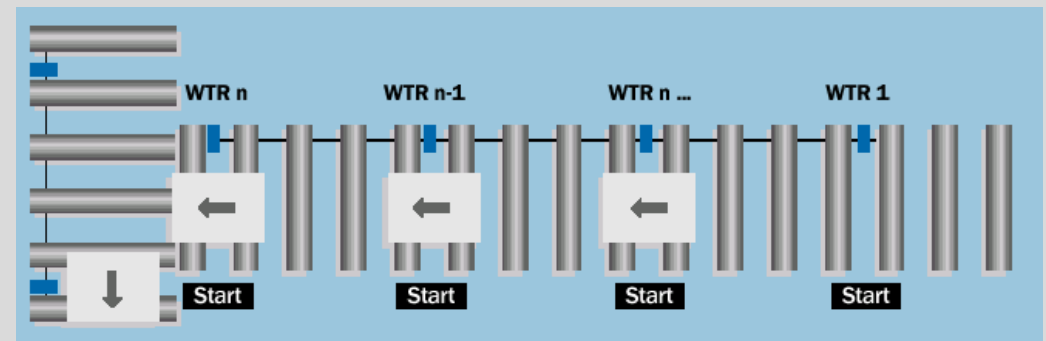
single release

- to start the goods step by step



slug release

- to start all goods at the same time



Benefits: Control the flow of goods on conveyor systems

- defined gap between the goods, protection from accumulation impact
- supports the exact infeed and outfeed of goods at distribution stations
- detection of goods is independent of weight
- low-noise accumulation
- very flexible due to the combination between WTR, WLR and ZLM1
- increase the availability of the conveyorsystem due to product quality
(each device is tested completely)

Benefits: improve efficiency

- WTR: 3 in 1, only one housing has to be installed, no reflector is required, reduces the installation
- WTR well protected against damage due to the position between the rollers, no additional brackets outside the conveyor
- Logic control in the WTR, WLR, ZLM reduce the effort for programming
- easier adaption on special application due to the combination between WTR, WLR and ZLM1
- WTR, WLR and ZLM1 has 