

# Vital Safety Controllers

Vital is based on a single channel safety concept where multiple safety sensors can be connected in series and monitored with a single safety controller. A dynamic signal is sent from Vital through all connected sensors, and then returned to Vital which then evaluates the received signal. As each safety sensor inverts the signal, it is possible to detect short circuits or faults in any of the sensors.

Vital 2 and Vital 3 are designed for use with ABB Jokab Safety Eden sensors, Tina components and Spot light grids or similar products. Vital 2 and Vital 3 are both safety controllers with two safe input functions and two output groups. The only difference between the two models being in the input configuration.



## Applications

- Entire safety system based on the dynamic safety system

## Features

- Easy installation
- Flexible
- Cost effective
- Display for troubleshooting (Vital 2 and Vital 3)
- A wide range of safety sensors can be connected into the circuit
- Several safe outputs
- Information output
- Outputs with time delay (Vital 2 and Vital 3)

## Approvals



TÜV Nord (Vital 1)

TÜV Rheinland (Vital 2 and Vital 3)

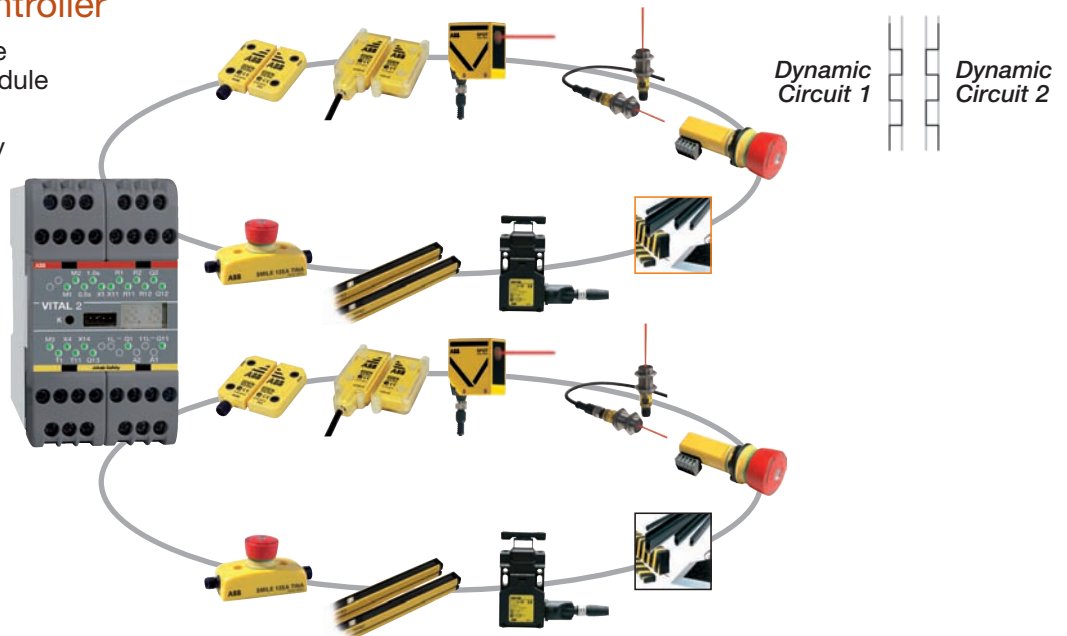
## Vital 1 Safety Controller

- Up to 30 sensors can be connected to the same dynamic safety circuit



## Vital 2 Safety Controller

- Two safety circuits are monitored by one module
- Simple system with extensive functionality
- Up to 10 sensors can be connected to each dynamic safety circuit
- Output group 2 can be set for time delay
- Three different modes of operation



## Vital 3 Safety Controller

- Two safety circuits are monitored by one module
- Devices with two-channel, opening contacts can be connected to one circuit
- Simple system with extensive functionality
- Output group 2 can be set for time delay
- Three different modes of operation

