



## SAFEMASTER W

### Wireless enabling switch - Have a good grip on safety

In automatised processes safety systems block the access to dangerous areas. Often people have to work inside a dangerous area while the machine is in a special operation mode e.g. during test, programming and maintenance.

Especially for these situations the TUEV approved 3-step radiocontrolled **enabling switch SAFEMASTER W** provides the necessary safety functions. It allows a safe operation and safe disconnection in a dangerous situation. It is designed for universal usage and allows maximum mobility and flexibility. In the case of danger the operator presses the button fully or releases it from middle position. The machine goes into safe state. In addition the unit has a display and 4 programmable push buttons to actuate up to 20 control functions. This allows to adopt the device to the actual application. The ergonomic designed enabling switch with large display provides a comfortable one hand operation.

#### Your advantages

- ▶ Maximum mobility and flexibility at highest safety
- ▶ For safety applications up to Cat 4 / PL e or SIL CL 3, TUEV approved
- ▶ Individual configurable push buttons for up to 20 control functions
- ▶ Ergonomic transmitter for non-tiring operation
- ▶ Comfortable one-hand operation
- ▶ Clear operating panel with easy to read display
- ▶ Fast frequency adaption to environment on the enabling switch
- ▶ Maximum freedom of movement due to wireless design
- ▶ High operating safety by dynamic and redundant data transmission protocol

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**Our experience. Your safety.**

# Wireless enabling switch

## Technical specification

- ▶ System components of SAFEMASTER W
  - wireless enabling switch RE 6910 (transmitter)
  - radio controlled safety module BI 6910 (receiver)
  - charger station for enabling switch (RE 6910/010)
- ▶ Up to 3 infrared receivers to define starting areas (as option)
- ▶ Radio controlled safety module BI 6910
  - to receive e-stop and control signals via radio transmission
  - to connect e-stop buttons, gate contacts or light curtains
  - safety output contacts:
    - 3 NO or 2NO and 1 NC and 6 transistor outputs for control functions
  - manual and automatic start
  - 3 transistor outputs and LEDS for status indication

### Safety related data

Cat 4 / PL e to DIN EN ISO 13849-1  
 Safety Integrity Level (SIL 3) to IEC/EN 61508

## Ordering data

Standard type: RE 6910/001  
 Item number: 0062631

Standard type: BI 6910.22/00MF9 DC 24V  
 Item number: 0062571

## Applications

- ▶ Setup and maintenance of robot cells
- ▶ Entering machine working areas during setup
- ▶ Maintenance of dangerous machines
- ▶ Manual interfering in automatic processes
- ▶ Maintenance of automated storage systems  
 ...and for all applications with access to dangerous areas. **Please contact us**

## Functions (Function mode)



## Further information

RE 6910

Start

www.dold.com



Enabling switch RE 6910 and charger



Infrared receiver (as option)

## Some setting possibilities at a glance:

- ▶ Configuration of push buttons
- ▶ Assigning push buttons to outputs
- ▶ Individual programmable display text
- ▶ Frequency adoption to ambient requirements
- ▶ Adjustment of radio signal strength
- ▶ Blocking of push buttons

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