



TK.502100-000

## Touchless switch for multiple control applications

**e-Touchless** is a new generation presence sensor, which acts as a switch or as a pushbutton without human contact and allows the control of opening/closing doors, raise/lower blinds, switching on/off lights or connect any kind of load, without having to press or touch the mechanism. The device can be configured to operate as a presence detector or as a gesture switch or pushbutton.

In presence detection mode, the device has a sensor that measures the distance very precisely, making it possible to detect an element or a person in a configurable detection range between 10 to 250 cm, and actuate on a load with a timer or also at each detection, change the state of its output.

In gestural mode, the device recognizes the movement of the hand when someone wants to press the mechanism without having to touch it, to act on the load. In this mode, it is also possible to configure the device to operate with a timer to switch off or also at each detection, change the state of its output.

The device has different configuration parameters that provide different operating functions to solve any request and is configured with a wireless NFC interface with the **EConfigurator** APP, available for Android on the Google Play Store.

The product is available in panel format e-Touchless Flexi to connect to a frame e-Bus Coupling or also as a *kit e-Touchless OnOff* or *e-Touchless Noiseless* consisting of the sensor panel, e-Bus Coupling frame and predesigned button label.

Press detection without human contact

Presence or gesture modes

Range up to 250 cm

Relay or optocoupler output

Configuration by NFC with APP EConfigurator

# DATASHEET

Door opening, switching lights,  
switching equipment

## Detection without human contact

- Configurable detection type: Gestural or presence.
- Gestural detection: Detects movement of the hand when pressing.
- Presence detection: Detects an element in a configurable range from 10 to 250 cm. Reflector not required.
- Type of action on the output: State change (switch) or Change with delay time to switch off (timed pushbutton).
- Front touch button for manual control.

## Possible configurations

- Wireless configuration by NFC with APP EConfigurator
- NO/NC output type
- Switch off delay time, 1 second to 60 minutes
- Minimum and maximum detection distance from 10 to 250 cm
- Enable detection led
- Minimum gestural hand movement
- Enable clean mode
- Touch switch sensibility

## Technical features

- Supply:
  - Kit models: 95-250 Vac 50/60 Hz
  - e-Touchless 1R-5P Model: e-Bus Coupling
- Stand-alone operation
- Laser 1 sensor type
- Maximum detection distance 250 cm
- Blue led detection indicator
- Connector for e-Bus Coupling connection
- Front button design with 4 customizable zones with e-Touch Creator
- Wireless NFC sensor
- IP20 protection degree
- Colours available
  - White
  - Black
  - Customizable
- Dimensions: 86x86x8,5 mm (W x H x D)
- Flush mounting in universal enclosure
- Kit OnOff: Potential free relay 10 A
- Kit Noiseless: Optocoupler, max. 60 V / 10 mA

## Available models

- Stand-Alone Kits:
  - e-Touchless OnOff, Potential free relay output.
  - e-Touchless Noiseless, Optocoupler output.
- Device to connect to e-Bus Coupling:
  - e-Touchless Flexi 1R-5P

## Ordering numbers

### Stand-Alone kits

TK.502100-000  
e-Touchless OnOff White  
Sensor panel with relay output  
and predesigned front button in white

TK.502100-002  
e-Touchless OnOff Black  
Sensor panel with relay output  
and predesigned front button in black

TK.502101-000  
e-Touchless Noiseless White  
Sensor panel with optocoupler output  
and predesigned front button in white

TK.502101-002  
e-Touchless Noiseless Black  
Sensor panel with optocoupler output  
and predesigned front button in black

### Panels to connect to e-Bus Coupling

These models require the purchase of an e-Bus Coupling for operating.

TL.010500-000  
e-Touchless Flexi 1R-5P White  
Gestural/presence sensor panel, White  
1 presence sensor, 1 touch zone, 1 Led

TL.010502-000  
e-Touchless Flexi 1R-5P Black  
Gestural/presence sensor panel, Black  
1 presence sensor, 1 touch zone, 1 Led



# Control diagram

