



# TANDEM KIT Radar+Photocell for OverGate 4.0



KIT\_TANDEM\_RH+FC\_BN\_P02

## Description

The TANDEM KIT Radar+Photocell is an accessory intended for the opening command and for the control of the door OverGate 4.0.

If the dimensions of the point of sale are suitable, the TANDEM KIT Radar+Photocell for OverGate 4.0 can monitor discretely and efficiently the access of your customers to the point of sale. In fact, the double barrier can make any appropriate exit attempts difficult and evident.

This kit in combination with alarm systems such as "BYAS" or with counter systems (optional), allows you to monitor completely the access to your point of sale.

CHROME STEEL

POLISHED

Specify the RAL colour

## Operating areas

■ Hypermarkets ■ Supermarkets ■ Museums ■ Sports Facilities ■ Swimming pools ■ Gyms



## technical specifications

The installation of the door needs the connection to the power supply.

Dimensions in mm

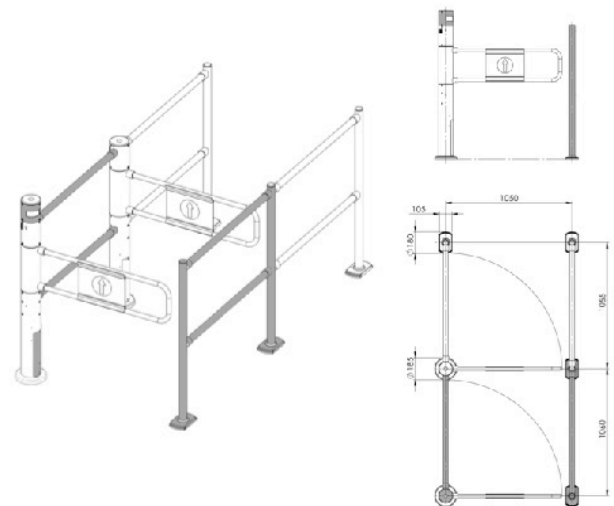
### Dimensions

The figures at the side show the total dimensions of the product OverGate 4.0 with the TANDEM KIT Radar+Photocell installed in the three configurations available:

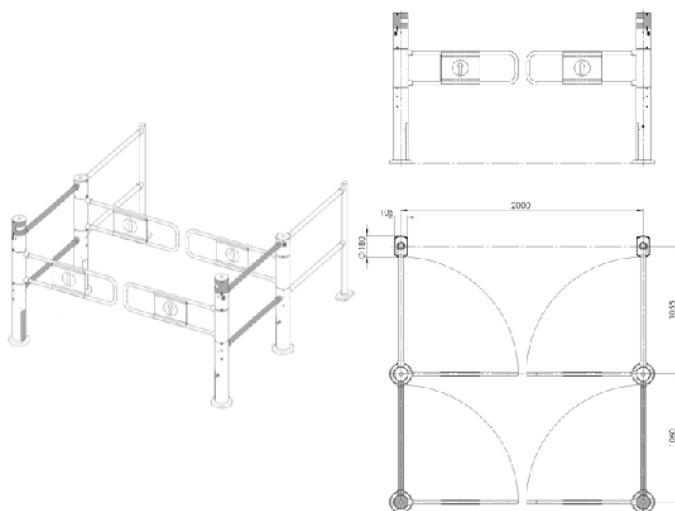
- single
- double
- lateral

The parts of TANDEM KIT Radar+Photocell are highlighted in grey.

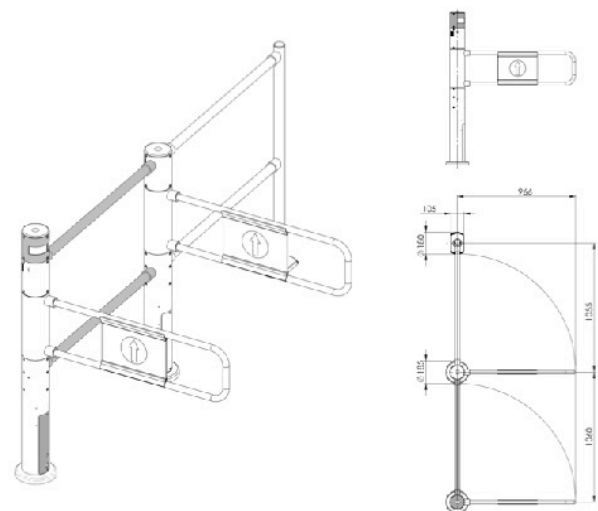
### Dimensions - single configuration



### Dimensions - double configuration



### Dimensions - lateral configuration



## technical specifications

## TANDEM KIT Radar+Photocell



## Features

|                       |                                       |
|-----------------------|---------------------------------------|
| Photocell Type        | source of visible red LED light       |
| Power supply          | 10-30 V DC                            |
| Exit Type             | PNP                                   |
| Exit response time    | 0.6 ms                                |
| Survey distance       | 6,500 mm (max)                        |
| Radar Type            | microwave doppler radar               |
| Radar power-supply    | 24 V DC                               |
| Nominal consumption   | < 2 W                                 |
| Operating temperature | -10 ÷ +50 °C @ 20 ÷ 90% RH (no cond.) |
| IP protection rate    | IP 31                                 |
| Regulations           | in comply with CE marking             |

## Optional kit

|                          |
|--------------------------|
| BYAS Kit                 |
| Back lane passageway kit |
| Passage counter kit      |
|                          |
|                          |
|                          |
|                          |
|                          |
|                          |
|                          |
|                          |

## Materials

|                   |  |
|-------------------|--|
| Radar head        | <ul style="list-style-type: none"> <li>mirror-polished chrome plated steel</li> <li>powder-coated plated steel (specify the RAL colour when ordering)</li> </ul> |
| Internal supports | <ul style="list-style-type: none"> <li>galvanised steel</li> </ul>   |

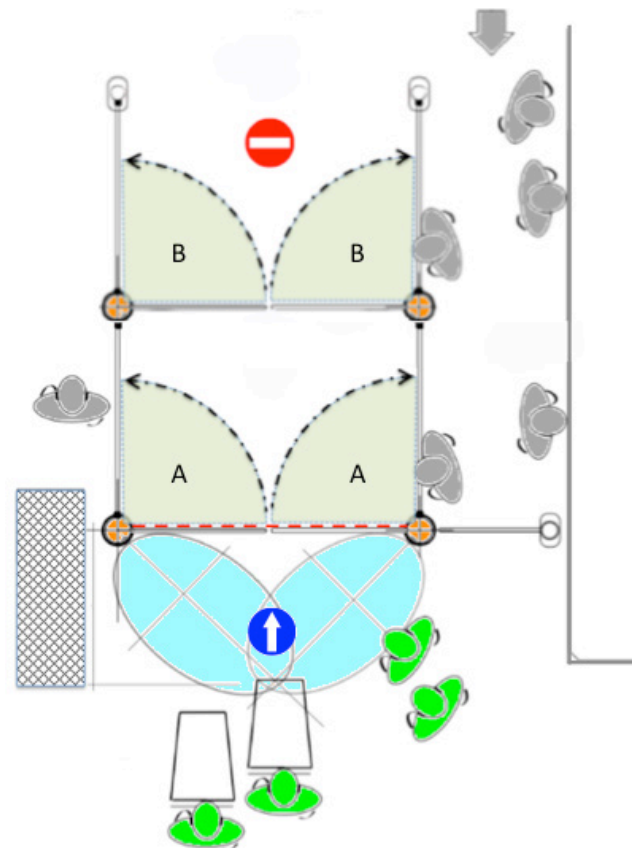
## Functioning

The figure at the right shows the functioning mode of the OverGate 4.0 with the TANDEM KIT Radar+Photocell installed.

The entrance direction, indicated with the arrow, is controlled by the radar sensors. When the radar detects a customer approaching the passageway, the first line "A" of OverGate 4.0 receives an opening command.  
(Note: it is possible to adjust the field depths with a suitable regulation trimmer).

Then, when the beam cell of the photocell "B", housed in the motor column of the first line "A" of OverGate 4.0, is interrupted, the second line "B" of OverGate 4.0 receives an opening command.

The distance of the photocell beam from the first line "A" and from the second line "B" of OverGate 4.0 has been studied to allow, in standard conditions, a correct opening of the passageway to prevent any shopping cart to hit the shutter.



## important notice

In case there are any horizontal ducts for the passage of the cables positioned below the door bases and of the typical components controlling the access must be placed at least at a depth of 150 mm.

Any metal pipelines, which might be present under the cable ducts, must be aligned with the door end.

Customers are responsible to ensure the management and the maintenance of all the products with ECo marking, in accordance with the layout structure, the connections and the features determined during the installation.

The dimensions indicated in this datasheet are explanatory. In order to set up the installation correctly, we kindly advise you to get in touch with our customer service at: [service@e-co.us](mailto:service@e-co.us)



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