



# Main entrance Access control kit

OG4\_Bussola\_EN\_R1



Available with:



Standard  
tubular arm



Extensible  
tubular arm



Aluminium reversed "P"  
tubular arm



Aluminium  
tubular arm



Aluminium  
leaf with frame

## Description

The main entrance has been created by intelligently integrating our OverGate 4.0\_T two-way automatic gate (TÜV SÜD certified), complete with BYAS rear activation kit which offers efficient customer transit control in both the single and double versions, highlighting any attempted fraud by closing the doors and activating a sound or voice alarm.

The control system is composed of a OverGate 4.0\_T gate in single or double configuration equipped with radar sensors located inside the motor column (optional), a radar sensor installed on the ceiling of the entrance and an infrared sensor installed inside an upright, which can be installed either inside the entrance or outside (this choice depends on the size of the entrance and the presence of any anti-shoplifting antennas).

The OverGate 4.0\_T gate is currently the most modern equipment among those dedicated to store access control and possesses all the security features required by the new European directives (machinery and EMC directives). It offers a high degree of control while ensuring safety for users, especially the elderly and children.

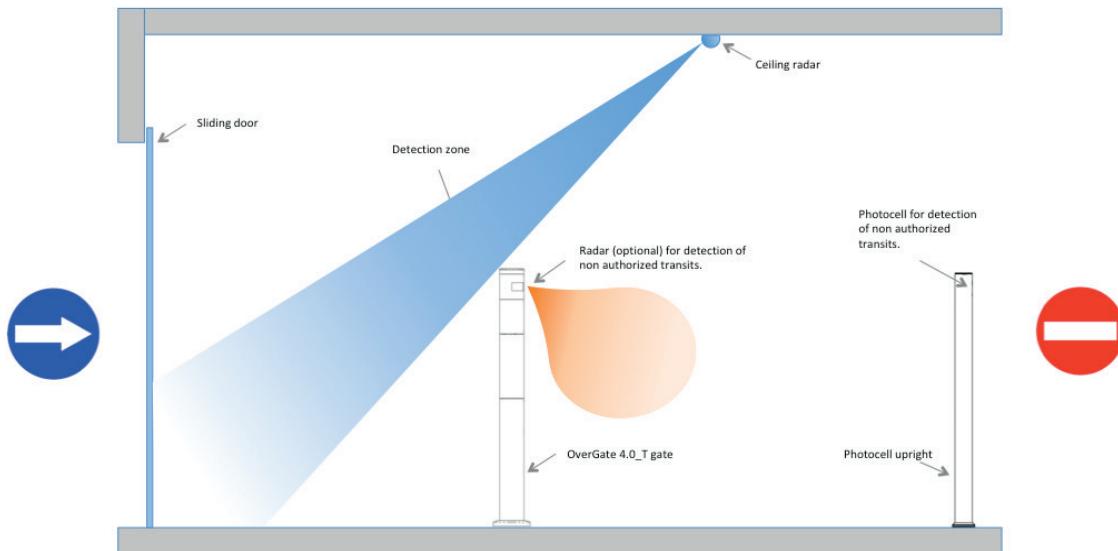
CHROME PLATED STEEL

PAINTED

Specify the RAL colour

## Areas of use

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



Installation of the gate requires connection to mains.

## Technical specifications

### Motorised gate technical data

#### Features

Drive	motorized bi-directional
Power supply unit	single phase 100/-240 V AC @ 50/60 Hz
Control logic	26 V DC
Rated absorption	80 W
Electromagnetic brakes	Present and controlled electronically
Torque limiter joint	Present
Rotation speed (90°)	2 s +/- 10% (nominal)
Operating temperature	-10 - +50 °C @ 20 - 90% RH (no cond.)
Weight	31 kg
IP Degree of protection	IP 21
Standard	Complies with CE marking

### Motorised gate technical data

#### Materials

Column and arm (std)	mirror-polished chrome plated steel
Top cover	plastic
Mechanical System	galvanised steel
Sign table	white screen-printed acrylic

### Safety devices

**Power failure:** In the event of a power failure, the arm is free to move (**UNI EN 1125**). When power returns, if the arm has been moved from its "closed" position, it will automatically return to position.

**Impact:** In the event of accidental impact with people or things, torque is less than 5 N·m with immediate stop of the motor.



**Warning:** The condition of transit in the entrance is however bound by the correct functioning of the automatic doors of the entrance itself (not supplied by Zwei S.r.l.).

### Safety devices

**Anti-panic:** If the arm is powered and closed, it can be forced into opening with a push  $\approx 30$  N·m (**UNI EN 1125**). The acoustic warning is immediately activated and the arm automatically returns to closed position after a programmable interval of time.

**Fire-prevention alarm:** If the store has a fire-prevention control unit which has a relay output signal to signal alarm conditions, it is possible to connect it to the gate, causing the gate itself to open automatically in the direction of the escape route for as long as the signal remains active.



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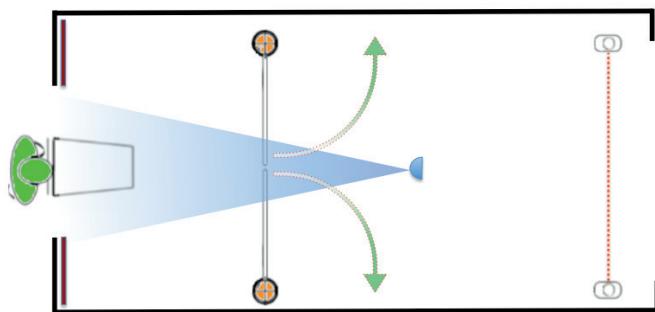


# Technical specifications

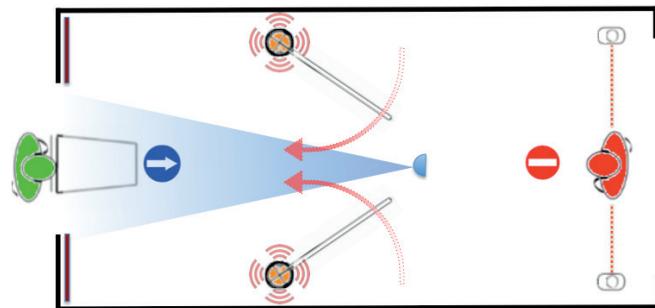
## Operation

The gate is normally used with arms set in the closed position, orthogonally to the transit lane.

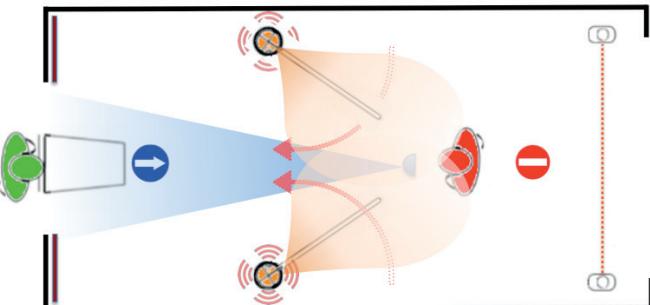
The customer who accesses the store is detected by the radar sensor installed on the top of the entrance, which authorises the gate to open. In regular transit conditions, the gate closes after a period that can be adjusted from between 0 to 120 seconds.



If during gate opening for entry transit, someone tries to transit in the direction that is not permitted, the sensor installed inside the upright, located near the door inside the entrance, detects this situation and activates arm closing together with the generation of a sound or voice alarm (by means of an optional kit).



The detection of wrong way transit can be operated also using the radar sensors located inside the motor columns, used individually or together with the photocell set in the upright.



Once the situation linked to the wrong way transit alarm has been resolved, the gate opens to allow the transit that was requested in the correct direction and the acoustic alarms are inhibited.

The period of alarm activation can be adjusted by configuring the relative parameters on the control logic board of the gate.

## Accessories

Standard 700 mm, 900 mm or 1,150 mm tubular arm

Aluminium tubular arm 1,200 mm

Standard extensible tubular arm: 700 mm - 1.100 mm

900 mm aluminium tubular arm with "Rotated P" profile

650 mm, 850 mm or 1,050 mm leaf with aluminium frame

Sign plates

Kit for acrylic or polycarbonate arm assembly

Motor column traffic light kit

BYAS kit

Voice alarm kit

Fastening kit

**Note:** It is important to configure the size of the arm on the control board in order to ensure optimum operating conditions. Related instructions are available in the manual.



**Warning:** It is the responsibility of the customer to identify and evaluate use of the product as an emergency exit in compliance with the mandatory rules applicable in this circumstance.

## Important

All horizontal conductors required for cable passage and positioned under bases of gates and of typical system components for access control must be installed at least 150 mm deep. Any chased metal ducts must be positioned in axis with the ends of the gate.

The customer is responsible for ensuring that ECo brand products are managed and maintained in accordance with the layout structure, connections and characteristics defined during installation.

The dimensions specified on this data sheet are approximate. For correct installation, we suggest you contact our customer service at the following address: [service@e-co.us](mailto:service@e-co.us)



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