



## TORAN ONE –WAY CORRIDOR



### 1 - DESCRIPTION

**Toran** has been specially developed to meet the **security requirements in airports, ports, train stations and public transport infrastructures** in general, as well as in other locations with similar requirements, like access points to public buildings.

The One-Way Corridor is a security system designed to allow **smooth one-way pedestrian passage**, generally from a critical security zone (disembarking zone) to a less secure area (controlled-access zone, baggage reclaim, etc).

The system consists of two interlocked doors that open automatically in the flow direction without disruption to users. In the event of movement in the opposite direction, the alarm will activate and the corresponding automatic door will close and lock, preventing unauthorized passage until the corridor is completely vacated. The system is completely **safe** thanks to its sophisticated pedestrian **direction detection system**.

Thanks to the exclusive and patented **system of balanced doors**, the corridor runs in a smooth, fast and less aggressive manner for users. Furthermore, it is immune to the effects of wind, allowing the corridor to be installed in exterior façades. The use of asynchronous motors make its operation **highly reliable**.

Given its wide range of communication and integration possibilities, the Turan One-Way Corridor by Manusa offers total connectivity with any **control or management system, local or remote**.

The system also incorporates low-consumption **interior LED lighting** and exterior LED signalling with energy-saving modes, as well as numerous optional accessories for security and control.

**Its stylish and contemporary design** can be fully integrated in the most modern public transport environments, with a wide range of finishes available.

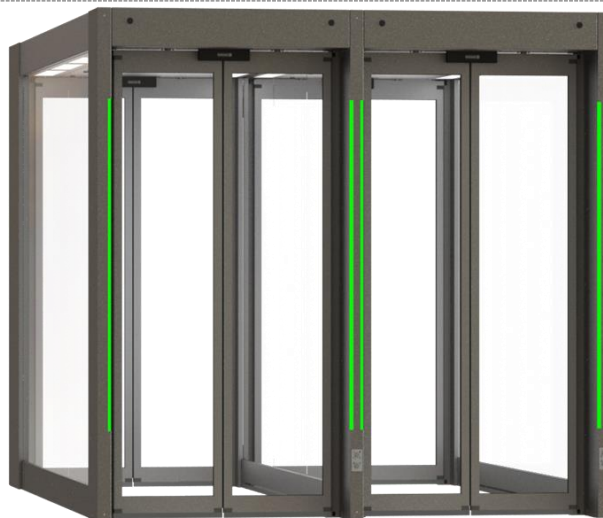
The corridor can be configured in a single or multiple (parallel) configuration, with a **self-supporting** and **easy-to-maintain** design.

2 - VERSIONS

Single corridor



Multiple corridors, available in any configuration.



3 – SYSTEM COMPONENTS

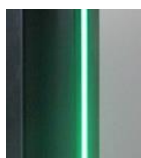
Ceiling

Interior lighting



Entrance door

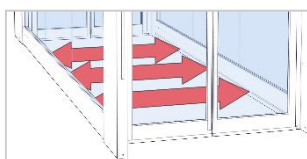
Status light



Exit door

Side walls

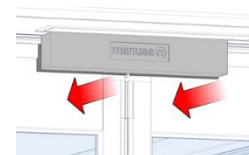
Photocell barriers



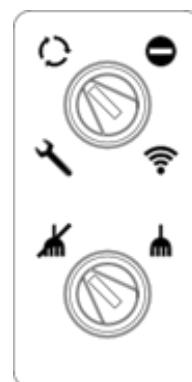
Mechanism access lock

Activation and safety sensors

Leaves electromechanical lock



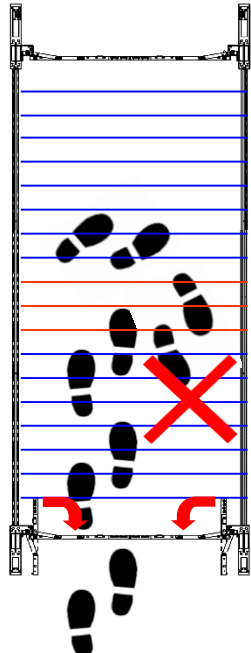
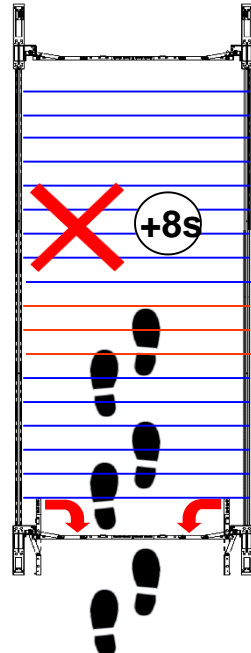
Operating mode selector



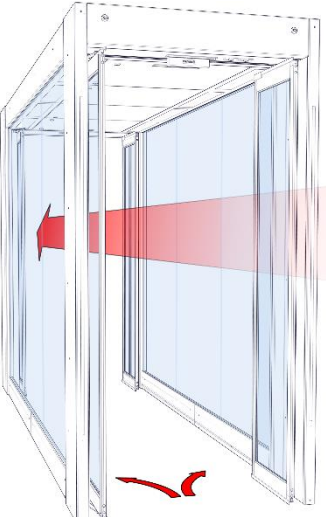
Cleaning mode selector

## 4 – FUNCTIONALITY

In its standard configuration, the corridor offers the following basic security features:

Return Detection	Static Object Detection
 <p>If the user attempts to return to the access area after entering the corridor, the entrance door will close. This will also happen when an object returns at floor level.</p>	 <p>If a pedestrian or an object remains inside the corridor for more than 8 seconds (adjustable), an alarm will activate and the entrance door will remain closed until the object or the pedestrian exit through the exit door. The eight-second alarm is not loud and will stop as soon as the corridor is vacated again. If 30 seconds after detection the static object is still there, the severe error alarm activates and will continue to sound until 30s. after the corridor has been vacated.</p>

## Standard Operating Modes

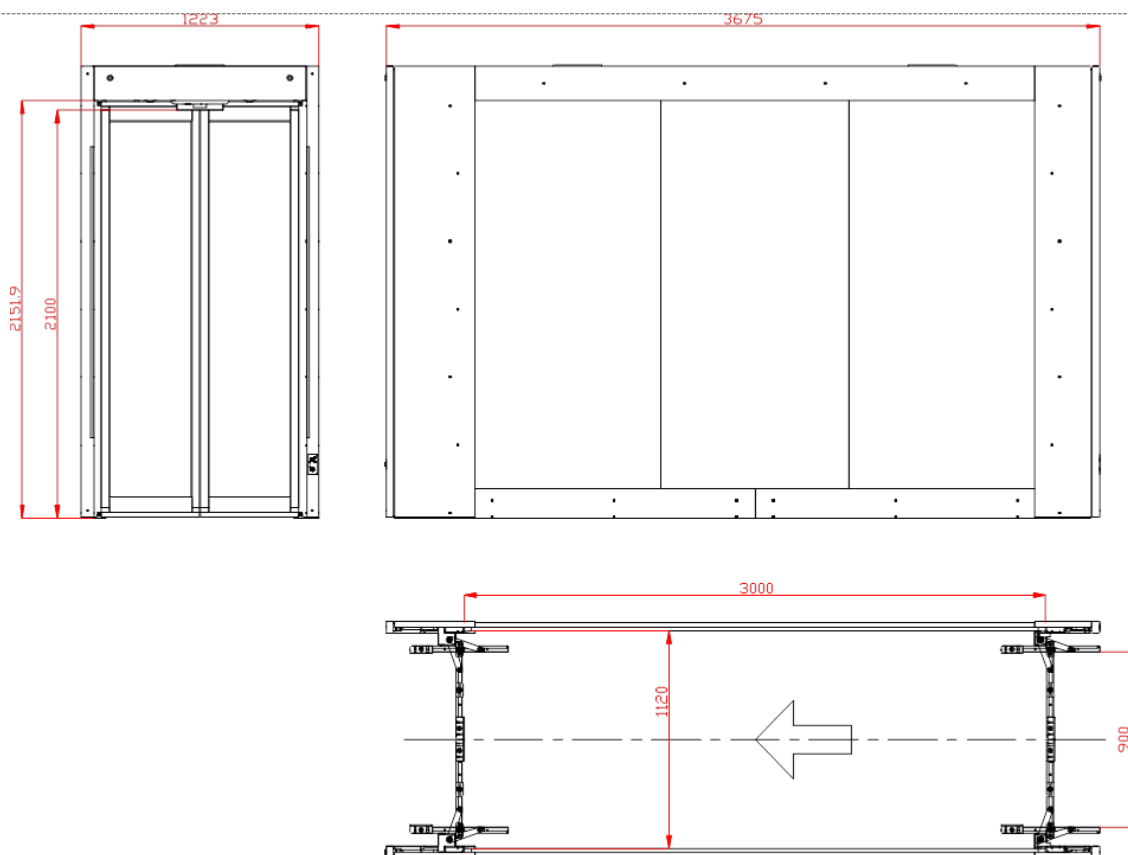
	<ul style="list-style-type: none"> <li>• <b>Automatic:</b> Normal operation</li> <li>• <b>Closed:</b> Both doors in the corridor are closed</li> <li>• <b>Remote:</b> All the functions are controlled by an external system</li> <li>• <b>Maintenance:</b> Similar to automatic, for maintenance work.</li> </ul>
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## 5 – TECHNICAL SPECIFICATIONS

## BASIC TECHNICAL SPECIFICATIONS

Power voltage	230 VAC
Rated power	600 W
Interior LED lighting power	8 x 12 W = 96 W
Operating time with UPS	35 min (fully charged)
Door drive units	Asynchronous AC motors with Inverter VV-VF
Direction detection sensors	Photocell barriers with crossed or parallel spots
Activation and safety sensors	Active IR sensors
Operating temperatures	-15 to +50 °C
Leaves glass	Laminated, 5+5 thickness
Standard clear width	900 (other widths available upon request)

## DIMENSIONS (single corridor)



## 6 – APPLICABLE DIRECTIVES

Low Voltage	2006/95/CE
Electromagnetic Compatibility	2004/108/CE
Construction Products	305/2011/CE
Machines	2006/42/CE

## 7 – FINISHES

As standard, the corridor is available in a lacquered finish in all RAL colours. The product is also available in stainless steel upon request.

## 8 – ACCESSORIES

The Toran One-Way Corridor can include a wide range of accessories:

**Intercom**

Interior safety device.

**Video Surveillance**

CCTV system integrated in the corridor for monitoring and supervision.

**Stereoscopic vision system**

It counts the pedestrian flow through the corridor.



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