

PasSec

High Transit Passenger Security Control Door for Internal Installation

Technical Specification

- Drive:** Motorised
- Orientation:** Uni Directional
- Materials:** Door Casework: 304 Grade satin grained Stainless Steel. (AISI 304)
Door Panels: 12mm tempered clear glass c/w black rubber buffer on leading edges all affixed to the rotor via Stainless Steel patch fittings.
Gate Casework: 304 Grade Polished Stainless Steel.
Gate Wings: 32mm dia. 304 Grade Polished Stainless Steel.
Guide Rails: 50mm dia. 304 Grade Polished Stainless Steel.
- Function:** Passage in one direction, electronically controllable.
- Baggage Restriction:** The walkway width is restricted to 430mm at low level by 50mm dia. tubular rails. This allows travel through the gate with standard authorised cabin baggage during exit. It also prevents the use of airport baggage trolleys in the opposite direction.
- Mechanism:** Control of the PasSec system is achieved by interlocking electro-mechanical mechanisms located within the door and gate assemblies. The individual mechanisms are controlled via a microprocessor control logic that manages the opening, closing and alarm conditions.
- Variable Speed:** The speed of operation is adjustable from 45°/sec to 60°/sec. (Max 2 seconds)
- Sensing:** Infrared PIR sensors are located on both sides of the PasSec within the roof housing of the door assembly, which detects the presence of people inside the passageway. The sensors analyse the movement of the occupant, detect the direction and position of travel and activate the door panels and wings.

Should passage be detected in the reverse direction the sensors will instruct the controller to close the door panels and/or wings, plus initial an audible and visual alarm.
- Visual Indication:** The door assembly is fitted with a high level LED display showing the status of the system, i.e. Red Cross denotes not available and Green Arrow available.

The gate assemblies are fitted with a Blue Arrow in the exit direction and Red No Entry sign in the opposite direction.

Both sets of visual indicators will flash in an alarm scenario.
- Locking Device:** The locking of the door panels is achieved via 24Vdc solenoid locks.
- Operating Modes:** The PasSec can be operated in three standard modes
- Walkway controlled free only in the preset direction. (Controlled)
 - Walkway free in both directions (No control)
 - Walkway lock closed. (Closed)
- Obstruction:** Should an obstruction be detected within the door mechanism the doors will continue to try and close for a pre defined timeout period, then stop and alarm. After the alarm timeout the doors will retry and close.

If the obstruction remains the cycle is repeated until the obstruction is removed.



Product Description

High security, non-monitored, anti-reverse flow authorisation and fast transit of people from a secure area into a public or non-secure zone. Unobtrusive construction, aesthetically designed for ease of use for non-frequent users during disembarkment, dedicated exiting, passport and immigration control.

Users include

- Airports
- Ferry Terminals
- Railway Terminals
- Mass Transit



Alarm Conditions: Alarm outputs are activated during the following conditions: -

- Activation obstruction.
- Anti-reverse wrong way usage.
- System diagnostic failure.

Power Failure: In the event of an emergency or isolation of the power supply, the mag locks holding the door panels in the closed position will fail safe allowing them to be manually pushed open. The gate mechanism wings can be opened manually via the inbuilt antipanic force system.

Fire Alarm: The door panels and the gate wings can be configured to fully open automatically to create a clear escape walkway.

Fire Alarm – Input facility available for 0V contact supplied by others.

Note - Due to the baggage restrictor bars, the floor level clear walkway is reduced to 430mm max, therefore advice should be taken from the local authorities and fire departments for suitability as an escape route.

Interface: The mechanism is controlled via the LCM02 microprocessor control logic with the following standard features: -

- Adjustable parameter control, i.e. Speed, Timeouts etc.
- Local diagnostic facility.
- Local alarm display facility.

The logic is protected against short circuits, overloads, and polarity inversion. Additional detailed information is available upon request.

Power Supply: 115/230V AC 50/60Hz

Power Rating: 150W

Logic Voltage: 24V DC

Delivery Details: The PasSec range is delivered fully assembled and may require lifting gear for off loading.

Models Available

PasSec High Transit Security Frontier Door

- Model UD Single Walkway – electrically controlled uni directional.

Standard Accessories and Optional Extras

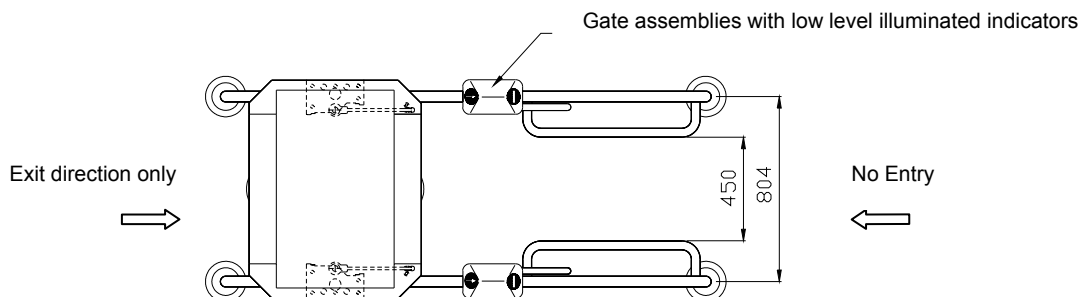
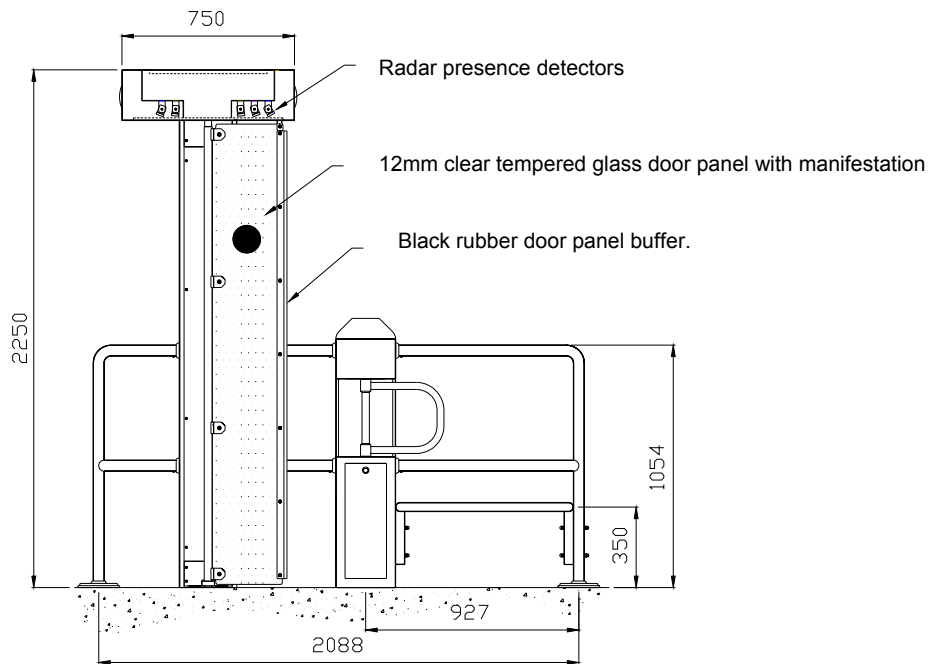
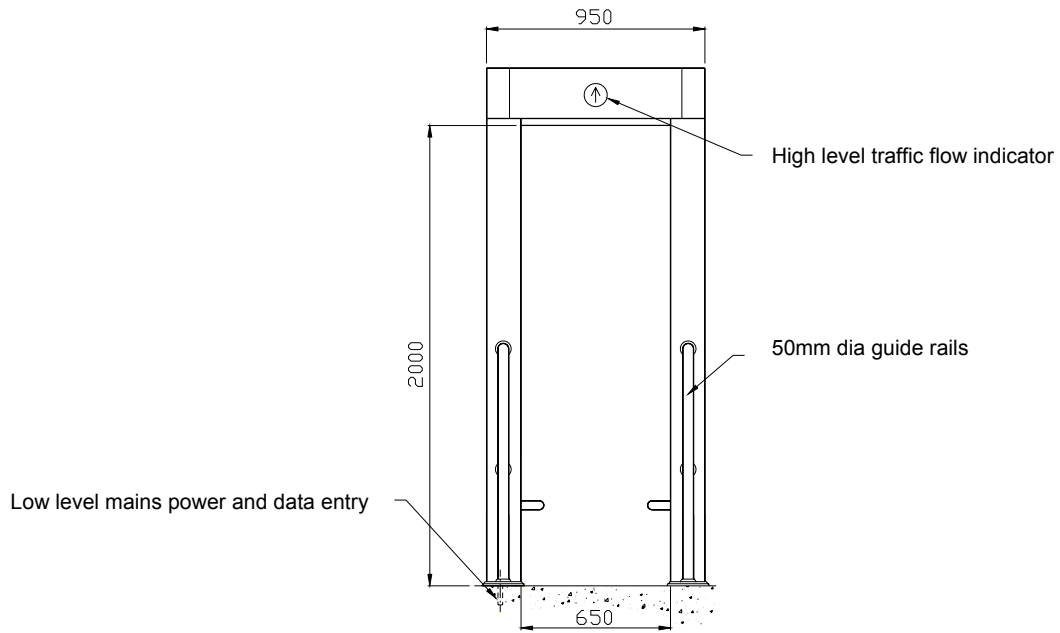
Alternative Materials, Finishes and Custom Design (Please contact Gunnebo Mayor for suitability and costs)

- Casework available in other materials
- Custom designs.

Installation Examples



Site Preparation PasSec Range



Concrete to BS 5328: 1997 specification, type ST5.
 Base to be flat and level to +/-5mm over footprint area.
 2300 x 1300 x 150mm min

IMPORTANT

- Any horizontal pipe or conduit runs below the PasSec must be at least 140mm below FFL.

GUNNEBO MAYOR

ENTRANCE CONTROL SOLUTIONS

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Note: In pursuit of its policy of continuous refinement and improvement, Gunnebo Mayor Ltd. reserves the right to modify design and details.

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