HC2 Srl

HALF-HEIGHT TURNSTILE ALDEBARAN

Rev 01 2020

Application areas

- ❑ Production sites
- ❑ Companies
- ❑ Construction sites
- ❑ Military bases
- ❑ Hospitals
- ❑ Swimming pools
- ❑ Fitness areas
- ❑ Sports complexes
- ❑ Parking facilities

Available models:

MOD	PASSAGE WIDTH	DOOR HEIGHT
HH.ALD01	600 mm	900 mm
HH.ALD02	600 mm	1800 mm
HH.ALD03	900 mm	900 mm
HH.ALD04	900 mm	1800 mm

Customizable passage widths up 1600mm

Available finish for structure:

Painted Steel RAL

Stainless Steel AISI 304 brushed

Stainless Steel AISI 316 brushed

- ✓ The sensor barrier is a rotary flap door system (swing door type) with EN 16005 approved.
- ✓ The system is equipped with half height swing doors consisting of a sensor-controlled passageway. If an unauthorized person want to pass through, the doors close automatically to prevent that an unauthorized person pass through and give alarm.
- ✓ The structure elements, housing and semi circle base columns are made of stainless steel satin finish AISI 304L.
- ✓ Throughgo rate: 40-60 per person minute.
- ✓ Designed for <1 million cycle/annum.
- ✓ Programmable wi-fi _ Web Page (option)
- ✓ Guiding elements consist of :

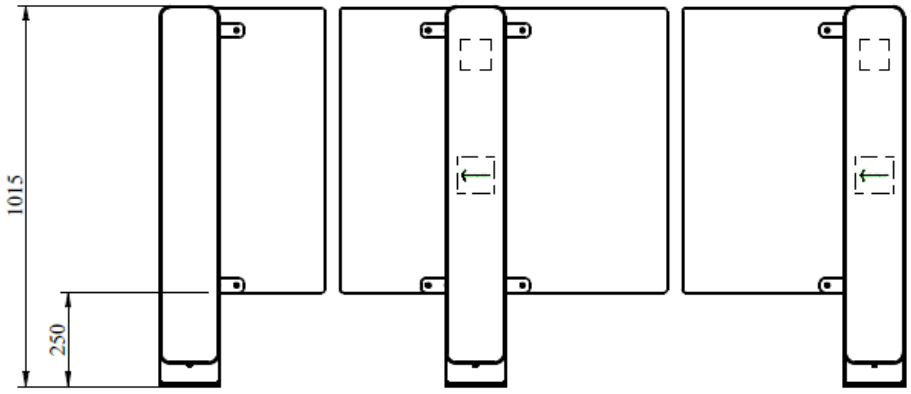
- Housing and base column made of stainless steel satin finish AISI 304L;
- The sensor system is integrated in upper and lower part of the housing and the electrical mechanical components are located in the lower part. Base columns are void to be used for integration of on-site components.

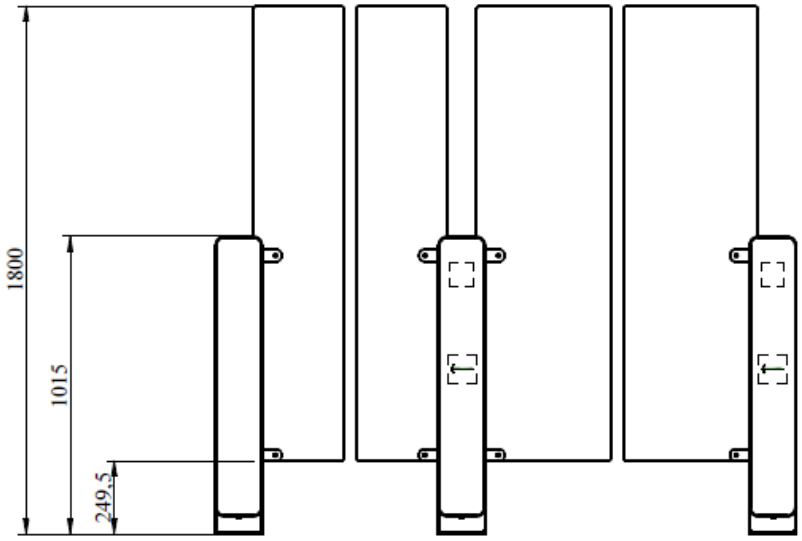
- ✓ Two barrier elements: door wings made of transparent PMM (methacrylate), 10 mm thick, .

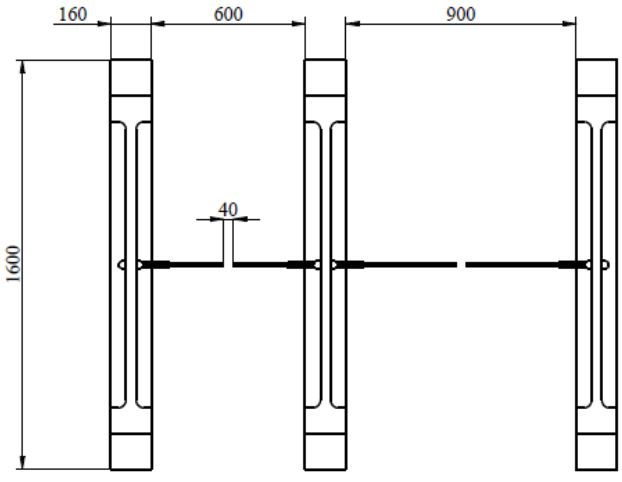
OPTIONS

- Passage width can be enlarged up to 900 mm for handicapped people passage.
- door height up to 900 mm or 1800 mm
- Wings made of glass
- Disable passage cycle
- Pictograms with green arrow and red cross
- glass inserted in the guiding element structure for the separation of passage corridors
- Full stainless steel structure
- detection system of the passage of only one person at a time, with sensors
- WIFI communication
- Double pictogram green red (inside – outside on the top) for user information
- Option tablet with WI-Fi communication for management and programming
- **USP- camera**

TECHNICAL SPECIFICATIONS







Passage width	600-900 mm
Guiding elements Width	170 mm
Structure Height	1015 mm
Structure length	1610 mm
Doors Height	1000-1800 mm

TECHNICAL DATA

Mechanism	24V brushless gear motor unit
Power supply	Single-phase 100-240 V AC @ 50/60 Hz
Control logic	24V Dc
Power rating	53 W x2
Opening speed	adjustable from 0.75 "to 1.5"
Closing Speed	adjustable from 0.75 "to 1.5"
Operating temperature	-10 °C +50 °C @ 20-90% RH (non condensing)
Weight	87 -92 kg based on configuration
Ingress Protection rating	IP 21 - base unit
Reference norms	CE Machinery Directive EN16005

FUNCTIONS

The sensor barrier is equiped with two servo-positioning brushless drives controlled by the control unit HC2 and motor controlled in both directions, thus achieving an outstanding personal safety.

The entrance sector is monitored by an enhanced sensor system of optimised length and composition. This sensor system also monitors the pivoting area of the barrier elements and serves as protective device. Upon this sensor system monitoring the door flap, 2 more sensors of recognition for person is arranged on handrail and bottom level so as to detect most persons entry. (Person < 950 mm in height, may not be deleted)
In case of power failure the unit is able to be passed freely in both directions and automatic reset by returning power supply – the unit resets into regular function without manpower intervention. The entry area is secured directly with resumption of power supply. The unit can be locked with programmable web page in any position and opens under load (personal safety in case of panic). In basic position, the unit is unlocked to reduce power consumption as much as possible.
Starting behaviour and passage times are parameterised.
The system provides the following adjustable operation modes:

-basic position open

The barrier elements close automatically, if somebody tries to pass without authorisation. For authorised passage, the barrier elements remain open.

-basic mode closed

The barrier elements open automatically for authorised persons in the passage direction and then close again after passage.

-locked mode

The barriers are blocked, no passage is possible

-Emergency mode

the barriers are free and can be opened by hand

During the phase of an authorized passage, the passage in the opposite direction is not allowed..
If the unit is not passed during an adjustable time interval after release signal, the release is cancelled automatically.
In case of power failure: barrier element can be moved freely in standard adjustment
(Web page for programming _ set up _ maintenance)

The parameterization of the operating modes can be made using the appropriate web app by accessing it from the web page.

All gates can be managed from a web page on a pc or tablet

Maintenance can be carried out locally or remotely through a special web page making it very easy to understand where and how to intervene.

Warning: it is the customer's responsibility to identify and evaluate the use of the product under the conditions permitted by applicable laws.

Important: All horizontal pipes, where required for the passage of cables and where positioned below the base of the turnstile and the typical components of an access control system, must be placed at least 150 mm deep.
It is the responsibility of the user to ensure that the product is managed and maintained in compliance with the relevant regulations and that the personnel used for maintenance is qualified and trained.
The dimensions indicated in this technical data sheet are indicative.