

CLEARTECH HH

Half Height Glass Turnstiles

for indoor and outdoor applications

CLEARTECH HH heavy-duty electro-mechanical half height turnstiles is specially designed to accommodate heavy pedestrian traffic whilst providing optimal people flow regulation in one user-friendly and robust solution. The turnstile arms are locked in position by solenoids rated for continuous operation. The arms are released for one cycle movement to allow one pedestrian entrance/exit by activation signal from a number of sources.



AVAILABLE CONFIGURATIONS

- Single 3-Arm 120° Rotor Half Height Turnstile

Typical areas of application include:

Education | Financial and Banking Institutions | Government Sites | Health Clubs | Leisure & Entertainment | Public Ablutions | Stadia | Transport & Logistics

Alltech Vehicle Barriers & Turnstiles Solutions also feature:

Boom and Spike Barriers | Bollards | Fast Folding Gates | Road and Rated Wedge Blockers | Full Height Turnstiles | Tripod Turnstiles | Revolving Doors | Security Booths | Special Needs Access Gates

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For a safer world

ELECTRICAL DATA & CONDITIONS OF USE

POWER	<ul style="list-style-type: none">▪ Power Supply: 220Vax 50Hz / 110Vac 50Hz▪ Power Consumption: 35W (ROTATECH HHS) / 70W (ROTATECH HHD)
LOGIC / SOLENOID VOLTAGE	<ul style="list-style-type: none">▪ 24VDC
FIRE SIGNAL	<ul style="list-style-type: none">▪ Input for voltage free contact
OPERATING TEMPERATURES	<ul style="list-style-type: none">▪ -10°C to +55°C▪ RH 95% no condensing
EMC COMPLIANCE	<ul style="list-style-type: none">▪ According to CE IP34

SYSTEMS INTEGRATION & ACCESS SPECIFICATIONS

LOGIC	<ul style="list-style-type: none">▪ PLC
SYSTEMS INTEGRATION	<ul style="list-style-type: none">▪ Integrates with any access control and time & attendance systems with 0 voltage input▪ 0V inputs provided for entry and exit directions of passage▪ 0V latching input provided for control of both simultaneous and individual entry and exit direction▪ 0V outputs provided for complete transaction counting in both entry and exit directions▪ Mechanical key switch override for locking / unlocking each direction of passage
FLOW RATES <i>Guideline only dependent on access control installation</i>	<ul style="list-style-type: none">▪ Insertion Type Reader: 12 passages / mn▪ Swipe Type Reader: 15 passages / mn▪ Proximity Type Reader: 18 passages / mn
DISABLED ACCESS	<ul style="list-style-type: none">▪ No. Only available in combination with a special needs access gate. See Alltech selection of equipment within the HANDYTECH product range.
EMERGENCY EGRESS	<ul style="list-style-type: none">▪ In the event of power failure or fire alarm, the turnstile may be configured to fail-safe i.e. rotor freely rotates or fail-lock i.e. rotor locks. Either option is available in both or one direction. Choice to be specified at time of order placement.

INSTALLATION & MAINTENANCE

PRODUCT DELIVERY	<ul style="list-style-type: none">▪ Fully assembled or in a kit form. Choice to be specified at time of order placement.
SITE PREPARATION	<ul style="list-style-type: none">▪ Flat and leveled finished floor +/- 5mm
CABLING & CONDUITS	<ul style="list-style-type: none">▪ Trough the ground or through the wall
LOGIC ACCESS	<ul style="list-style-type: none">▪ Housed into top channel with lockable lid
MAINTENANCE ACCESS	<ul style="list-style-type: none">▪ Top channel access
MTTR <i>Mean Time To Repair</i>	<ul style="list-style-type: none">▪ Approx. 20mn
MCFB <i>Mean Cycle Between Failure</i>	<ul style="list-style-type: none">▪ 5 million

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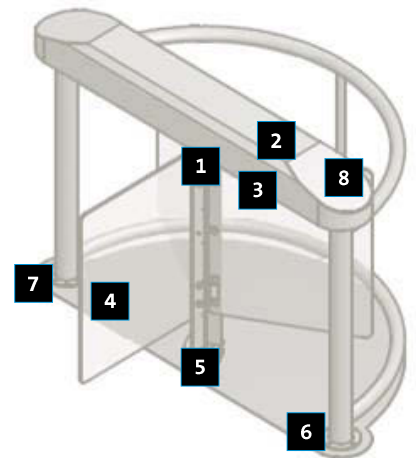
MECHANICAL AND DESIGN OPTIONS

ROTATION MECHANISM	<ul style="list-style-type: none"> ▪ Electronically controlled bi-directional ▪ Mechanically controlled uni-directional via key override ▪ Free rotation
ROTOR DESIGN	<ul style="list-style-type: none"> ▪ 3 Leaf single glass panel 120° rotor ▪ Rotor slats made of 10mm thickness toughened glass
LOCKING	<ul style="list-style-type: none"> ▪ Fail-safe* auto-unlock in the event of a power failure <p><i>* In the event of power failure or fire alarm, the turnstile may be configured to fail-safe i.e. rotor freely rotates or fail-lock i.e. rotor locks. Either option is available in both or one direction. Choice to be specified at time of order placement.</i></p>
FINISHED OPTIONS	<ul style="list-style-type: none"> ▪ Brushed 304 stainless steel. Suitable for corrosive environment applications with adequate cleaning program
ACCESSORIES	<ul style="list-style-type: none"> ▪ Turnstile hand rail in matching finish ▪ Access control reader mounting brackets ▪ Single / dual push button (supplied turnstile mounted or non-mounted)

PRODUCT OVERVIEW

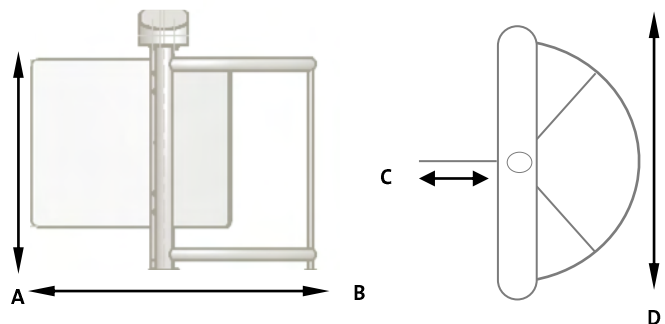
INDEX KEY

- | | |
|---|--|
| 1 Electro-mechanical head system | 5 Base bearing |
| 2 Top channel lockable lid | 6 Wiring entry points |
| 3 Mechanical key overrides | 7 floor and wall bolting points |
| 4 3 Leaf 10mm thickened glass panels | 8 Access control reader mounting position |



DIMENSIONS & WEIGHT

A: OVERALL HEIGHT	▪ 1100mm
B: OVERALL WIDTH	▪ 1330mm (incl. hand rail)
C: WALKWAY WIDTH	▪ 500mm
D: TOTAL LENGTH	▪ 1400mm
NET WEIGHT	▪ Approx. 130kg





ALLTECH RELIABILITY

Picking the optimum entrance control solution is a process based on close cooperation with our customers – all the way from **needs analysis**, **production**, to **implementation** and **service**

From Analysis to Proposal

- Needs analysis forms the basis of a tailored proposal
- Specified both for the overall solution and for individual areas of the site
- Fully compliant with all local regulations

Installation, Testing, Training

- Monitoring and implementing every installation
- Completion programme of functional reliability checks to ensure the equipment is safe
- Documenting each stage of the installation process
- Initiating start-up phase whilst focusing on training of relevant staff

Operation and Maintenance

- Initiating procedures for operation and maintenance
- Offering adequate Maintenance Plans or Service Level Agreements

With Alltech, a brand of the Gunnebo Security Group, now a safe and reliable entrance control system is ready for round-the-clock use.



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