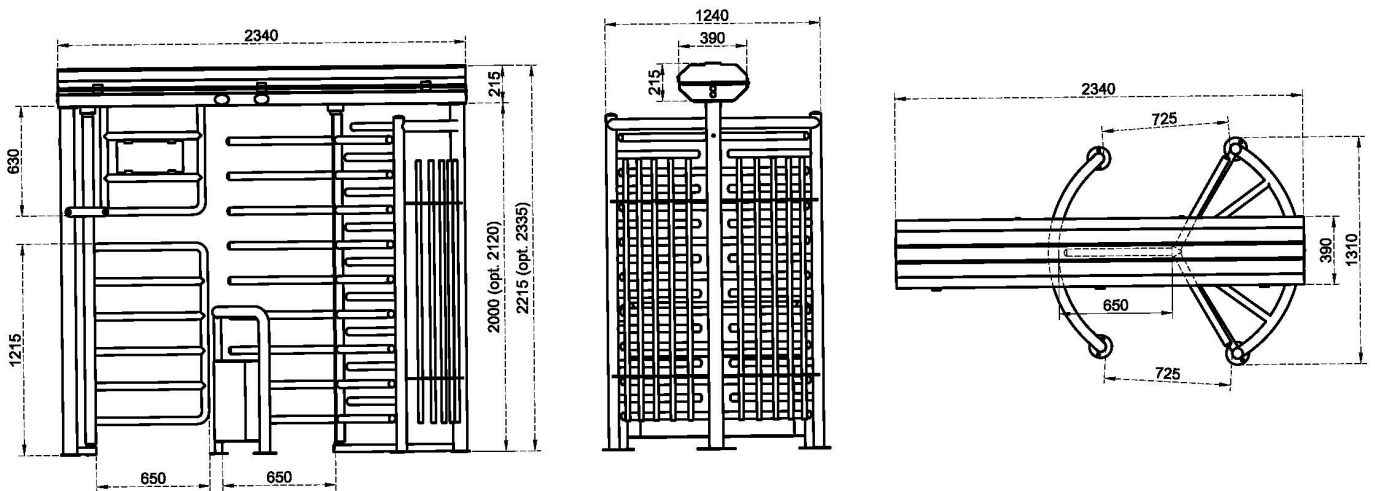
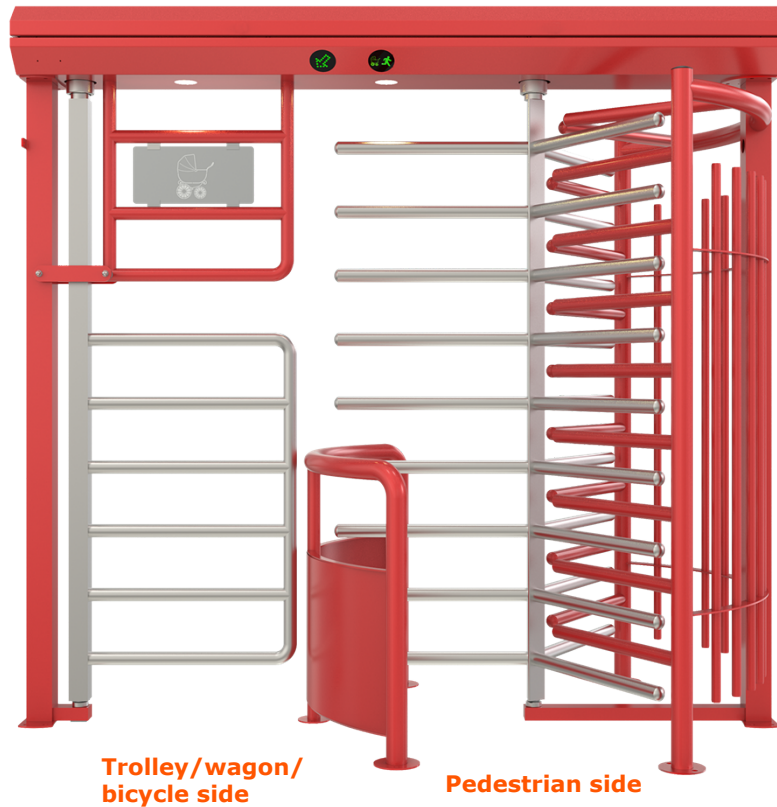


PL-BYC 300 TECHNICAL SPECIFICATIONS



Energy

: 110/220 - 240 V - 60/50 Hz. AC (% ± 10), 24 V DC.standby ~11 W. max. ~60 W.

Power that comes into the system is filtered by noise filter and power supply for the system is supported by "switch mode" technology.

Arm Features

: Pedestrian side consists of three-section (a pair for double-unit) rotors (120°).

Each section contains nine (ten for double-sided) Ø42mmx2.5mm electrostatic powder coated (opt. hot dipped galvanized) or Ø40mm 304-grade (opt. 316-grade) Stainless Steel (opt. Ø38, Ø42 and Ø45mm) arms.

Trolley/wagon/bicycle side has a motorized flap wing gate.

Upright bars at the frame are complying with UK H&S Regulations (The gap between upright bars is less than 98 mm).

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- Body Features** : Constructed on main carriers, supported by tube and square profiles on lateral panels, strengthened by separators.
- Made of 304-grade (opt. 316-grade) brushed finished stainless steel, electrostatic painted surface or mixed combination versions (opt. hot dip galvanizing under coating for outdoor models).
- Complying to UK H&S regulations of max. 98 mm gap between upright profiles.
- Top lid is protected against water for outdoors installation.
- Top lid is equipped with damper for safety and service convenience.
- Indicator Features** : Green & Red Dot LED on the top cover
- Weight** : ~535kgs
- Operating Temperature, Humidity, IP Rating :**
(-20°C) – (+68°C) (Ops. -50°C with heater unit), RH 95% (±2%) non-condensing, IP 56 Outdoor Model (Opt. IP 66).
- Control System** : All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs. Optional RS232/RS485/TCP IP control module is available.
- Working System** : Vibration resistant, microprocessor controlled industrial designs can be customized to fit all types of users. All inputs and outputs are protected with opto-couplers.
- The passing ways can easily be arranged so as to be controlled free, disable and enable or combinations of them. The passing direction can be activated with separate input signals; in addition, with the feature of double input. The passing ways for two directions can be operated through one signal. (Opt. can be equipped with talking unit through wav files and speakers)
- The trolley/wagon/bicycle side is equipped with the motor-driven unit so as to operate bi-directionally; after the passage signal being received at the pedestrian walkway, the respective lock is being released and waits for the passage. After the pedestrian rotor starts moving on the walkway direction, the trolley/wagon/bicycle side opens the wing gate through the passage from 90° from its original position. After the pedestrian turnstile complete its turn, trolley/wagon/bicycle side closes the wing back to the original position automatically. This motion is either provided by a pre-determined time interval automatically or manually by a remote control device. If during the movements trolley/wagon/bicycle side wing gate faces an obstacle on its way it stops and repeats forward motion twice. If the resistance continues, the system alerts.
- All types of 'lock solenoids' are special design, CE certified %100 ED do not warm up to more than 10°C than atmospheric temperature.
- Passing** : System operates bi-directionally.
- **Manual Driver (standard) for Pedestrian Side:** On receiving a signal from the external unit, the system will unlock the rotor and the arm will move 120° away from signal direction by a manual motor turn and turns into the locked position. (After moving 30° away from the original position, the rotor does not return back)
 - **Motorised (optional) for Pedestrian Side:** On receiving, a signal from external unit, the system will unlock the rotor and waits for to be pushed softly. The arm then drives through 120° away from signal direction automatically. (After moving 30° away from the original position, the rotor does not return back)
 - **Motorised (standard) for the trolley/wagon/bicycle side:** When the authorized signal is being received at the pedestrian side, and when the rotor moves on signal direction, the trolley/wagon/bicycle side also opens the wing gate through 90° of its original position by means of a motor driver.

PL-BYC 300 TECHNICAL SPECIFICATIONS

Soft Stop	: With hydraulic shock absorber for the pedestrian side, motorized for the trolley/wagon/bicycle side.
Reset Time	: Can be selected on the dipswitch; 6 – 8 - 18 sec. or by external control.
Output Data	: System provides dry contact passage feedback by relays separately for each direction. System provides busy signal during passage.
Emergency	: The arms and wing spin freely to allow free passage way.
Built-in Property	: Complying to UK H&S Regulations (the gap between upright bars is less than 98 mm), down light, direction indicators.
Flow Rate	: Passage Capacity of Mechanical unit for Manual-Version : Max. 85 passages/minute; Nominal : 33 persons/minute Passage Capacity of Mechanical unit for Motorized-Version : Max. 48 passages/minute; Nominal : 24 persons/minute Above given figures are approximate for one person per walkway or lane. Explanatory Note: The system allows the new passage authorization in less than 0,3 seconds. After the passage authorization, the total passage time depends on the pushing and passage speed of the persons. Utilization of different access control units can change the flow rate.
Optional	: Counter (manual or electromechanic), manual control unit (RF or with cable) alarm unit, earthquake (shake) sensor, card readers, indicator with animations, metal detector, battery and charge unit, interface unit for PC, separators, mounting plate, etc.

**Design and specifications are subject to change without notice.*