



**Technical Features**

<b>Place of Use</b>	Indoors, outdoors
<b>Operating Temperature, Humidity</b>	-20°C/+68°C (opt. -50°C with heater positive), RH 95% non-condensing.
<b>Operating Intensity</b>	100%, 7/24 use.

Built on main carriers, supported with pipe beams on sides and strengthened by separators, electrostatic painted on steel or stainless steel (304 grade) waterproof top cover and edge crowns. Can be completely disassembled. Pedestrian side consists of three-section rotors (120°). Each section contains nine Ø42 mmx2.5 mm painted or 304-grade Stainless Steel one by one demountable arms. Side barrier, gaps between upright bars are complying with UK H&S regulations, less than 98 mm.

**Body / Arm Features** Combination options with different material choices:

	BYC 300 N1	BYC 300 N1-25	BYC 300 N1-100
<b>Body</b>	Electrostatic powder coating on hot-dip galvanized steel	Electrostatic powder coating on hot-dip galvanized steel	304 grade (opt. 316 grade) stainless steel
<b>Arms</b>	Electrostatic powder coating on hot-dip galvanized steel, Ø42x2,5 mm.	304 grade (opt. 316 grade)* stainless steel, Ø40x2,0 mm.	304 grade (opt. 316 grade)* stainless steel, Ø40x2,0 mm.

(\*) Finishing : Satine brushed (opt. electrostatic powder coating on stainless steel).

<b>Indicators / Illumination</b>	<b>Status - Direction Indicators :</b> LED, standard/LED passageway illumination standard.
<b>Power</b>	<b>Operating Voltage :</b> 110/220V AC 50/60 Hz. (±10%), 24V DC. <b>Consumption :</b> ~8,1W+8W at stand-by, during passage ~7,6+44W (varies according to the options and accessories used).
<b>Operating Modes</b>	System operates bi-directionally (entry-exit controlled). <b>Pedestrian side:</b> 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) <b>Trolley/wagon/bicycle side:</b> 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. Reset Time: It can be set between 1-50 seconds or infinite with main board OLED Screen and buttons. System provides dry contact passage feedback by relays separately for each direction. System provides busy signal during passage.
<b>Operating System</b>	<b>Pedestrian side:</b> Electromechanical manual operation (opt. electromechanical motorized operation). <b>Trolley/wagon/bicycle side:</b> Electromechanical motorized operation.
<b>Control System</b>	All functions, parameters and operating modes can be adjusted through the buttons and screen on the control card. All inputs are opto-coupler protected. Controllable by dry contact (ground control). Compatible with all kinds of access control device. Optional RS232, RS485 or TCP/IP module is available.
<b>Flow Rate</b>	<b>Pedestrian side passage capacity (manual) :</b> max. 48 cycle/min. <b>Nominal :</b> ~25 pass/min. <b>Pedestrian side passage capacity (motorized) :</b> max. 40 cycle/min. <b>Nominal :</b> ~20 pass/min. <b>Trolley/wagon/bicycle side wing opening/closing time :</b> ~1,5 sec. (nominal passage rate can change depending on the access control system utilized)
<b>Emergency Mode</b>	<b>Pedestrian side:</b> System allows free passage (entry-exit) in both directions (fail safe). Works compatible with fire warning and similar systems. At the end of an emergency situation, system returns to its normal operating mode. <b>Trolley/wagon/bicycle side:</b> System provides a free passageway (entry-exit) by opening the wing in preferred direction configured by dip switch (fail safe). Works compatible with fire warning and similar systems. At the end of an emergency situation, system returns to its normal operating mode

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<b>Power-off Situation</b>	<p><b>Pedestrian side:</b> System allows free passage (entry-exit) in both directions (fail safe). Optionally, can be set (fail secure) as; entry-exit locked, entry free-exit locked, or entry locked-exit free. Free passageway in locked direction ( in fail secure option) can be granted by optional manual override key.</p> <p><b>Trolley/wagon/bicycle side:</b> System provides a free passageway (entry-exit) by manually pushing the wing towards entry or exit directions (fail safe). Optionally, can be set as entry-exit locked (fail secure). Free passageway in locked direction ( in fail secure option) can be granted by optional manual override key.</p>
<b>Weight</b>	~320 kg
<b>Optional Features and Accessories</b>	Motor driven unit (pedestrian side), wireless remote control (receiver-transmitter), manual control, manual override key (with fail secure option), counter (with/without reset), card reader mounting bracket, passage completion sensor, contactless passage sensor (for motorized models), heater positive, canopy, bottom plate (standard or for forklift handling), battery back-up, 316 grade stainless steel, RS232-RS485-TCP/IP modules, limiter, 2120 mm clear passage height, mechanics compartment accessibility from the ceiling, different color choices.

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