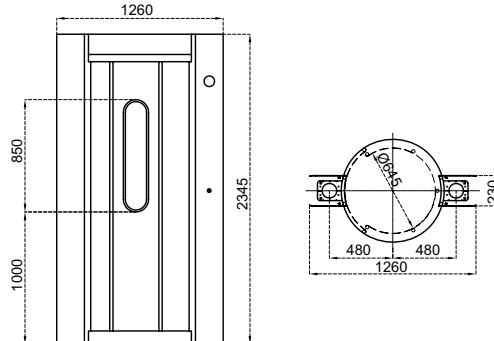






Dimensions (mm)



Technical Features

Place of Use	Indoors				
Operating Temperature, Humidity	-20°C/+68°C (opt. -50°C with heater positive), RH %95 non-condensing.				
Operating Intensity	%100, 7/24 use.				
Body / Door Features	<p>Made of 4 supporting main carrier columns and pipe beams placed on the lower chassis, rounded stainless steel walls body and top lid and a completely closed ceiling. Main carrier columns are designed for installation of electronic system, card reader and access control systems. Side columns are designed for installation between walls.</p> <table border="1"> <tr> <td>Body</td><td>Electrostatic powder coated steel and 304 grade stainless steel.</td></tr> <tr> <td>Doors</td><td>Rounded form 304 grade stainless steel and acrylic window.</td></tr> </table>	Body	Electrostatic powder coated steel and 304 grade stainless steel.	Doors	Rounded form 304 grade stainless steel and acrylic window.
Body	Electrostatic powder coated steel and 304 grade stainless steel.				
Doors	Rounded form 304 grade stainless steel and acrylic window.				
Indicators / Illumination	Status - Direction Indicators :   LED standard / LED interior illumination and interior indicators standard.				
Power	<p>Operating Voltage : 110/220V AC 50/60 Hz. (%±10), 24V DC.</p> <p>Consumption : ~20W at stand-by, max ~130W (varies according to the options and accessories used).</p>				
Operating Modes	<p>System operates bi-directionally (entry-exit).</p> <p>Operation modes can be changed through dip switch, PC and/or android app.</p> <p>Entry - exit controlled Entry controlled, exit free</p> <p>Entry free, exit controlled Entry - exit internal biometric control mode</p> <p>Can be customised for site specific access algorithms.</p>				
Operating System	<p>Electromechanical motorised doors are closed for both ways at stand-by (opt. open for one direction).</p> <p>Person requests authorisation from the access control device (3rd party device) connected to the gate's entry system. Upon authorisation, door opens allowing person enter inside. Door closes upon detection of the person inside by the presence sensor on the gate ceiling (in case the person do not enter, door closes at the end of time-out set previously). Weight and presence sensors once more control the presence of the person inside. Door opens to the exit direction in case there is a person inside and if he is authorised for access (otherwise, door never opens to the exit direction, gate returns the person to his entry direction or keeps the person locked inside). Upon exit of the person, door closes and systems returns to stand-by for next passage.</p> <p>Optionally, a control point is available for real person verification (with 3rd party product biometric reader systems) with a column mounted in the passage corridor. Upon presence inside and at door closed position, person requests a second authorisation and according to the authorisation, the door opens and person completes his passage or returns to his entry direction. At the end of the process, door returns to stand-by position and remains locked.</p> <p>In case of pushing the emergency rescue button inside the cabin, the door opens to the entry direction (or can be programmed for another action).</p> <p>Gate generates audio and/or visual alarm and relay output in cases of; passage can not be completed on time, the door is forced, presence of more than one person inside is detected, non-authorisation, the emergency rescue button is pushed, an unsolicited situation detected by the sensors.</p>				

Control System	<p>All functions, parameters and operating modes can be changed through the control board (microprocessor controlled), PC (Windows) and/or android app. Firmware can be updated. All past function updates and changes are kept in the server and records can be traced.</p> <p>All inputs are opto-coupler protected.</p> <p>Controllable by dry contact (ground control).</p> <p>Compatible with all kinds of access control device.</p> <p>Optional RS232, RS485 or TCP/IP module is available.</p> <p>Gate operates by a position controlled (by encoder) motor driven and electronic torque controlled system.</p> <p>Functions such as all sensors, motor, indicators, passage scenarios and alarms are controlled by the electronic control unit containing a programmable microprocessor. Thanks to the microprocessors, no re-setting is necessary in case of a power failure. Electronic control unit is placed into the main carrier columns of the gate.</p> <p>Passage can be restricted externally by enable/disable feature even though access authorisation has been granted.</p> <p>Gate has a vibration resistant, microprocessor controlled, industrial design adaptable to meet any user demand. Motor driven door is controlled by an electronic control unit.</p> <p>Rotation speed and limitations of the doors are managed by encoder controlled P.I.D. system. Rotation speeds are continuously checked with the feedback from the encoder and motor driver card keeps the speed at the same level preventing slower or faster rotation.</p> <p>An electronic control card controlling the mechanics regulates all movements and outputs and in case of need a 485 output is optionally available for PC.</p>
Flow Rate	<p>Passage capacity (motorized) : ~4 person/min.</p> <p>(Passage capacity can change depending on the access control system utilized)</p>
Emergency Mode	<p>System allows free passage (entry-exit) in both directions (fail safe) by pushing the door manually. Works compatible with fire warning and similar systems. At the end of an emergency situation, system returns to its normal operating mode.</p>
Power-off Situation	<p>System allows free passage (entry-exit) in both directions (fail safe) by pushing the doors manually. Optionally, can be set entry-exit locked (fail secure). Free passage by manual override key in fail secure option is available.</p>
Weight	<p>~260 kg</p>
Cleaning, Maintenance, Manual Interference	<p>Gate is furnished by a programmable key switch button on one side of the gate adjacent to the door.</p> <p>This button is programmable for the function desired by the user and set as default for opening the door for cleaning-maintenance or can be programmed for various requirements (i.e. manually evacuation of the person inside, unlocking of the door, etc).</p>
Optional Features and Accessories	<p>Weight sensor, interior biometric system mounting column, card reader mounting bracket, mounting/connection guide for any type of safety sensors and detectors, BR class bullet-proof glass, different color options, manual override key (with fail secure option), heater positive, battery back-up, RS232-RS485-TCP/IP modules, limiter, motorized card collector unit and card collection box.</p>