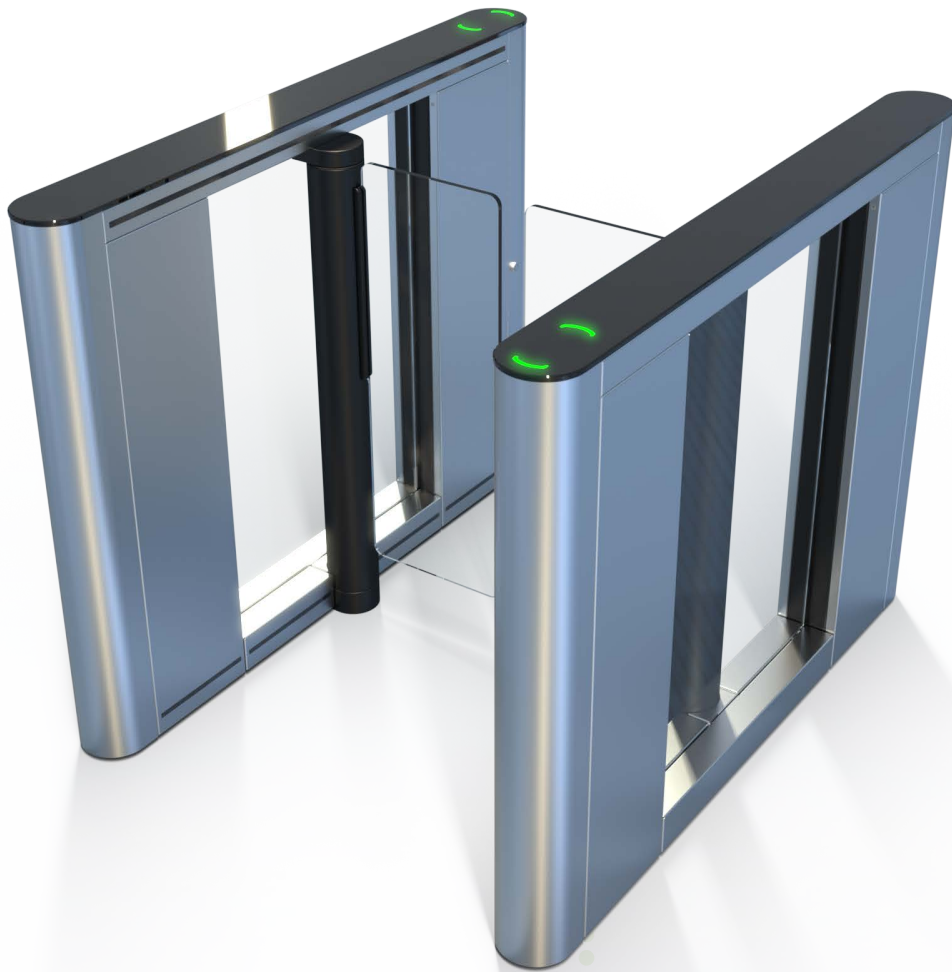


VISION TOUCH

Technical Document No. TDS-10101-01

An elegant & compact designed, swing speed gate with 24V BLDC motor. Opening and closing time between 0.8 - 2.0 seconds according to passage width & barrier wing height.



VISION TOUCH

Technical Document No. TDS-10101-01

FEATURES

- Swing gate with fast-opening hidden barrier wings made of 10 mm tempered glass.
- Galvanized & powder coated steel frame and stainless steel housing panels with RAL 9005 powder coated rotor column as standard.
- 10 mm tempered glass top lid.
- Illuminated indication pictograms.
- BLDC motor driven with integrated encoder and electromagnetic brake.

FUNCTIONS & INTERFACE

- Logic controlled interface, bi-directional operation
- Entrance and exit directions can be individually set as controlled, locked or free before or after the installation.
- In controlled access mode, after release confirmation which was sent by access control system, the gate opens the barrier wings and enables one person access in the direction of travel. After each person, the barrier wings blocks passage again and does not permit access from both entrance and exit directions until receiving a new release signal from the access control system.
- After the release, the gate closes the barrier wings after an adjusted time if no transition or passage occurs.
- If people from both directions would like to pass through simultaneously, the first person who activates the gate takes precedence.
- Card Stacking / Multiple opening: An additional person is able to release the next passage cycle during an ongoing passage cycle in both directions.
- Relay outputs for counting passage in either directions and for monitoring barrier wings positions / battery fail / system failure.
- Individual relay alarm outputs to monitor fraud attempts:
 - Tailgating
 - Climb / Jump-over & Crawl under
 - Forced to open manually
 - Wrong way
 - Intrusion timeout
 - Safety zone timeout
- Cleaning mode with key-switch.
- RS 485 serial & Modbus TCP/IP communication ports.
- Control for inputs and outputs via 24VDC signal.

EMERGENCY & POWER CUT

In the event of an emergency* and during power-cut, the gate opens the barrier wings to exit direction (fail-safe). The gate reset itself automatically when the emergency alarm stops or the power is switched back on.

*Normally-closed emergency alarm connection needed.

LED INDICATORS

LED lights indicates the operating status of the turnstile in both directions.

Green - Passage confirmed

Red - No passage

ACCESS CONTROL INTEGRATION

- Vision Touch can be controlled by any kind of access control system through dry contact or COM ports.
- Card reader area under the glass lid.
Max. card reader dimensions:
 - 150 (L) x 54 (w) x 40 (h) mm or less
 - 158 (L) x 54 (w) x 45 (h) mm or less
 - 150 (L) x 80 (w) x 18 (h) mm or less
- Optional cuts on glass top is available for surface mount readers, reader holders or stands as well as standard or custom designed posts for access controller integration.

SETTINGS

- Operation mode for each directions
- Acoustic Notifications
- Release time out
- Emergency opening direction
- Barrier wing opening angle
- Barrier wing opening / closing speed

Security Levels

1. Acoustic alarm only without blocking the lane
2. Wings close immediately and block the lane* without an acoustic alarm
3. Wings close immediately and block the lane* + acoustic alarm sounds
4. The security alarm and blocking are off.

* If the lane is blocked during the wrong way and tailgating attempt, there is a danger of the wings hitting the unauthorized person.

OPTIONS, CUSTOMIZATION & ACCESSORIES

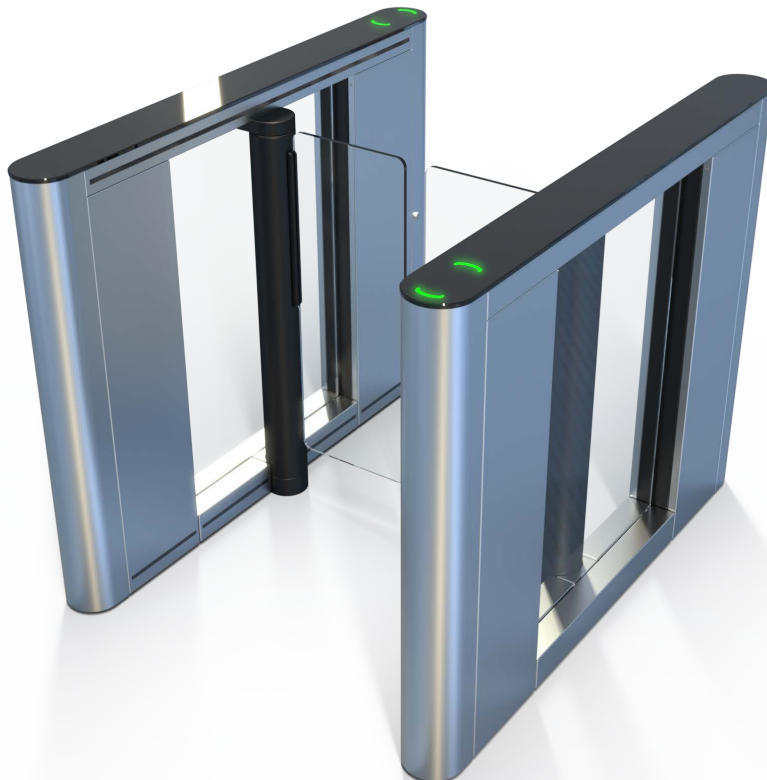
- rylic/ Polycarbonate/Lexan or laminated safety glass barrier wings
- Custom logo on barrier wings
- Powder coated housing panels in t.b.d.RAL color
- AISI 316 brushed stainless steel housing panels or rotor column.
- Ramp plate with with cable channels and anti-slip black rubber surface or in stainless steel tread plate.
- Access controller integration brackets on demand
- Touch screen control panel / push button control panel / RF remote controller options.
- Jump over sensor
- Stainless steel, Corian or thermoplastic top lid.

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SPECIFICATIONS

Construction	: Steel
Passage width	: 650 mm / 915 mm / 1000 mm (Customized on request)
Barrier Wing Height	: 132 x 1319 x 1020 mm
Cabinet size (W x L x h)	: 960 mm / 1200 mm / 1800 mm
Weight	: 115 Kg (single unit)/ 150 kg (interlane)
Power Supply	: 100 - 240 VAC, 50/60 Hz
Logic Voltage	: 24V DC
Operation Temperature	: -0° / +55°
IP Protection	: Cabinet IP44
Drive Mechanism	: BLDC motor & gear box with integrated encoder & electromagnetic brake
Opening/Closing Time	: 0.7 - 2.7 sec (depends on leaf size)
MCBF	: 10.000.000 cycles
MTTR	: < 30 minutes
Power Consumption (per lane)	: 75W (during operation)/ 50W (stand-by)
Sound Intensity	: 58 dB (during operation)
Number of Sensors	: 16
Communication	: RS485 & Modbus TCP/IP comm port



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Barrier wing height



960 mm



1200 mm

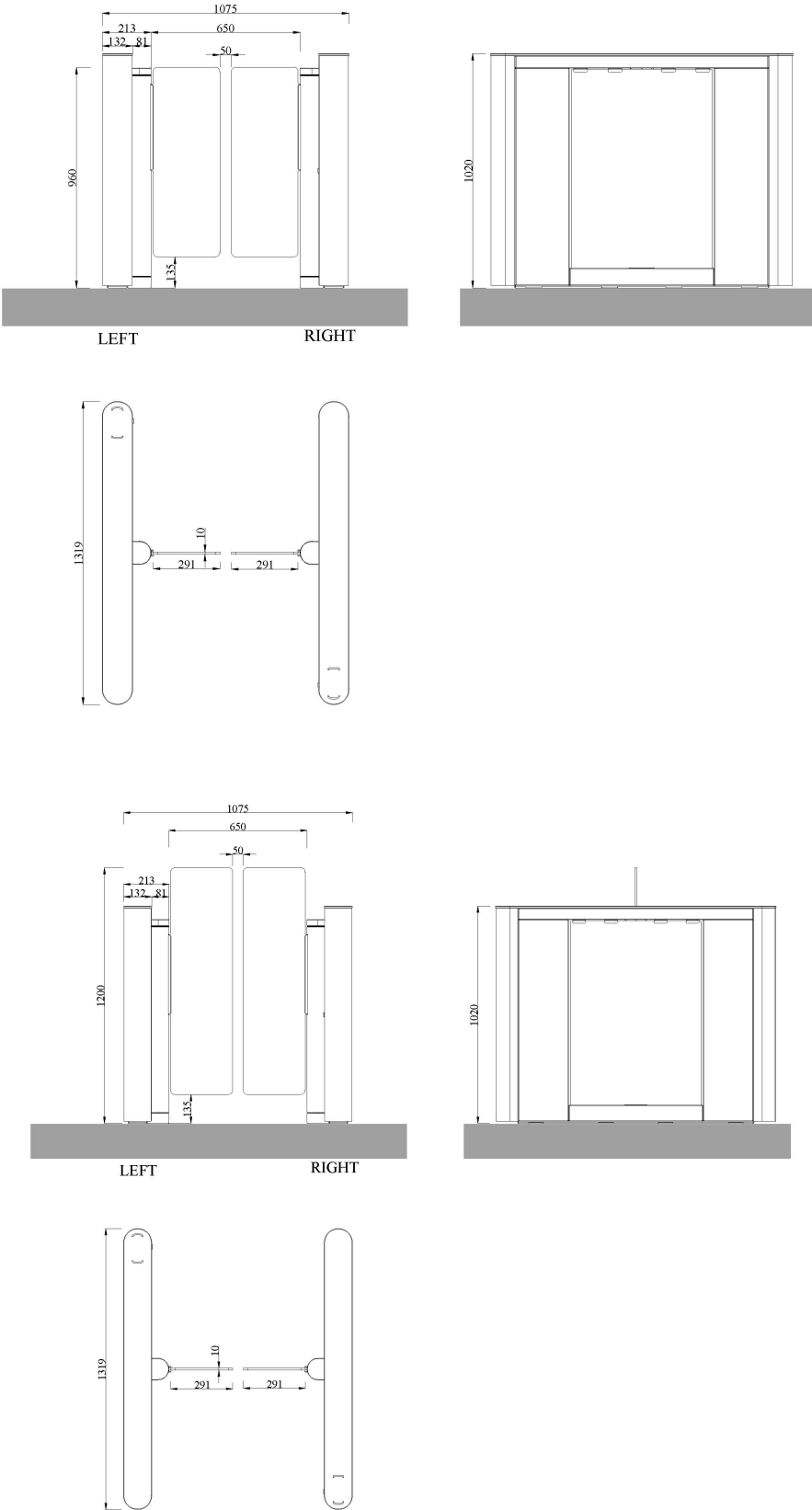


1800 mm

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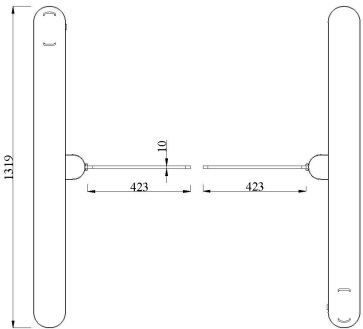
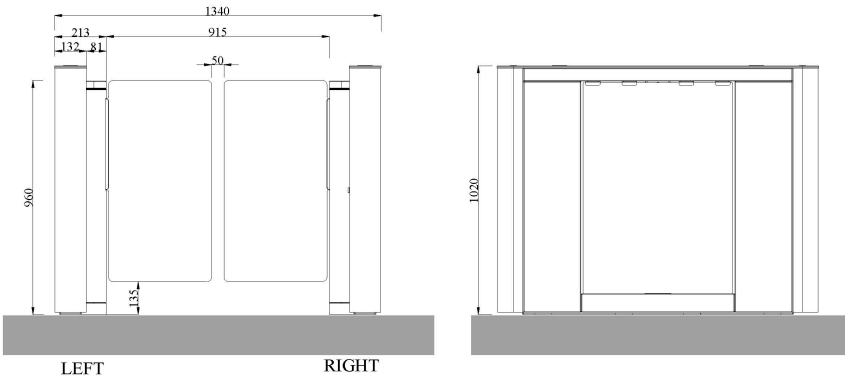
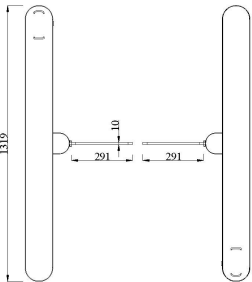
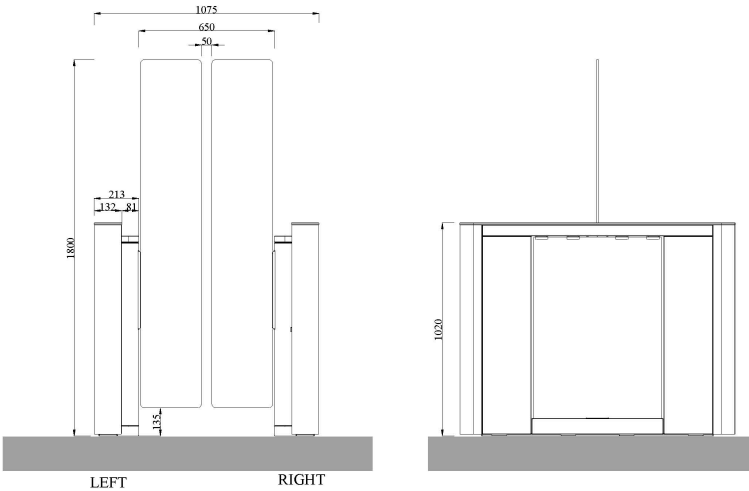
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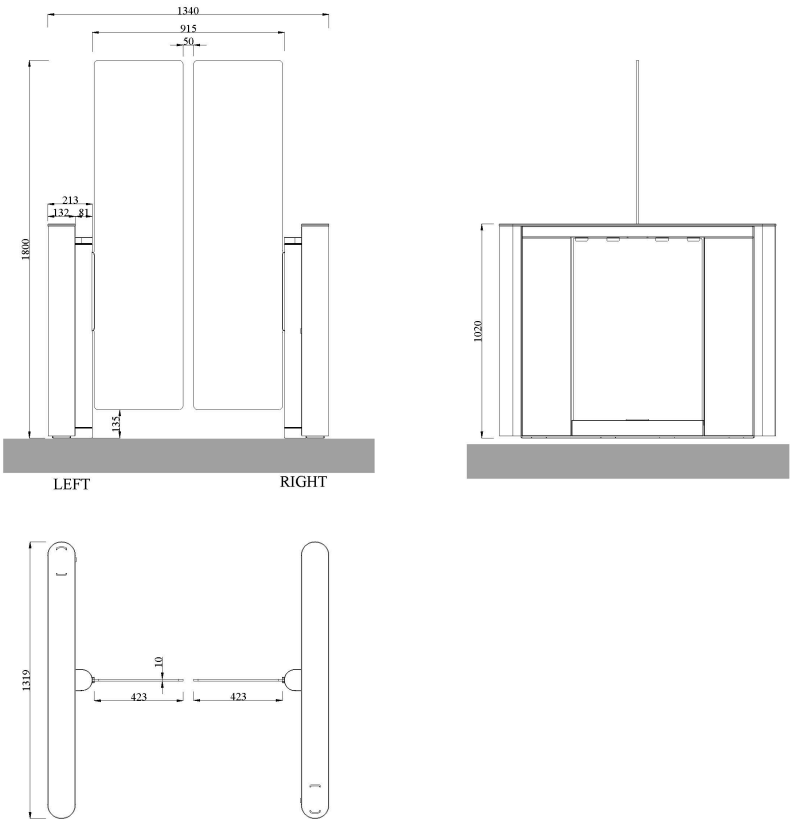
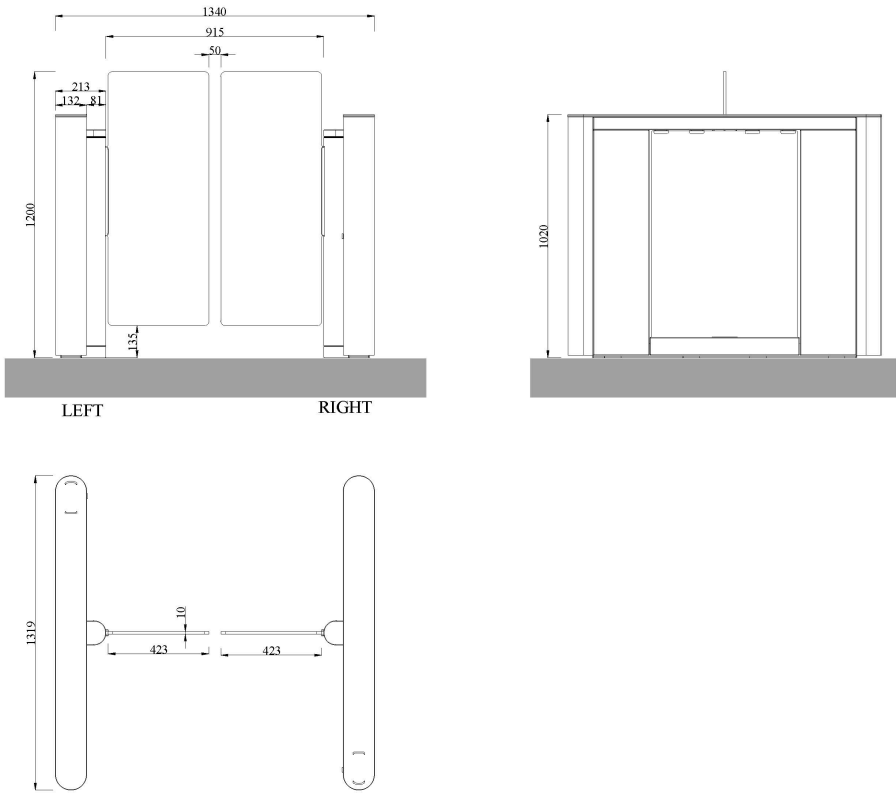
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