KBB
WORLDWIDE EXPERT OF
AUTOMATIC DOOR

KBB TURNSTILE WILL FACILITATE YOUR LIFE

About KBB

- 3 factories, 30 offices and over 1000 dedicated employees
- Biggest market share in China automatic door market
- Export to 70 countries around the globe
- Multiple landmark projects:

*Highest building in Europe-Shard Bridge in London

*Highest building in South America-TiTitanium La Portada,

*Marriot in US

*Hilton in Canada

*Beijing Airport in China and etc.

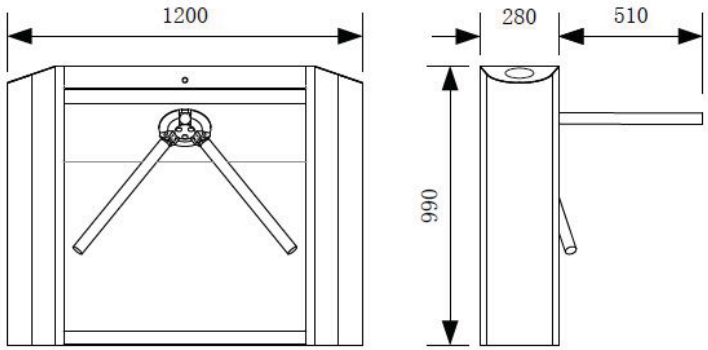
- ***Product capacity supported by 3 factories***
- ***R&D team with over 20 years experience in door industry***
- ***Manufacture managed by ERP PLM system***
- ***Product fabricated with advanced equipment***

KBB Turnstile

- Complete product line: all kinds of turnstile can be provided, not limit to tripod or swing gate
- Appearance design: specially designed according to operational environment and building style
- Material: stainless steel, glass, acrylic, wood, stone, titanium alloy
- Passage width: 400mm ～ 3000mm.
- Dimension: designed according to specific project's space
- Surface finish: hair brush, satin brush, polishing, electroplating, coating, watermarking

Tripod Turnstile

■ Housing material:
304 grade stainless steel
■ **Housing dimension:** 1200×280×990(mm)
■ **Surface treatment:** brushed finish
■ **arms material:** 304 grade stainless steel
■ **The length of arm:** 510(mm)
■ **OD of arm:** 38mm (default) 48mm（max）



Side view　　Front view

Basic Function

■ Passing mode: 【controlled mode】/【free mode】/【forbidden mode】(The entry and exit can be set independently)

■ Automatic reset function: The arms will return to the hindered zero position automatically when the passing is finished, **stable and no shaking.**

■ Self-recovery function: The arms do not return to the hindered zero position because of something abnormal. And the arms will automatically recover to the hin-dered zero position when it is over the set time.

■ Self-check function when power on: The system will self-check routinely when the power is on, and intelligently detect the key hardware and function.
Find the hidden danger within the shortest time!

■ Automatic-rotation function: Once an open signal is given, the arms will ro-tate automatically to a degree to indicate the pedestrian to pass. The arms will rotate automatically with the pedestrian after pushing forward the arms.

■ Auto-drop-arm function: The arm will drop automatically when power off (de-fault), and free pass mode without dropping arm is optional.

■ Auto-lift-arm function: After the arm dropping down automatically when the power is off, the middle arm can also lift automatically with alert when the power is on again.

Special Function

■ Unique dynamic monitoring function

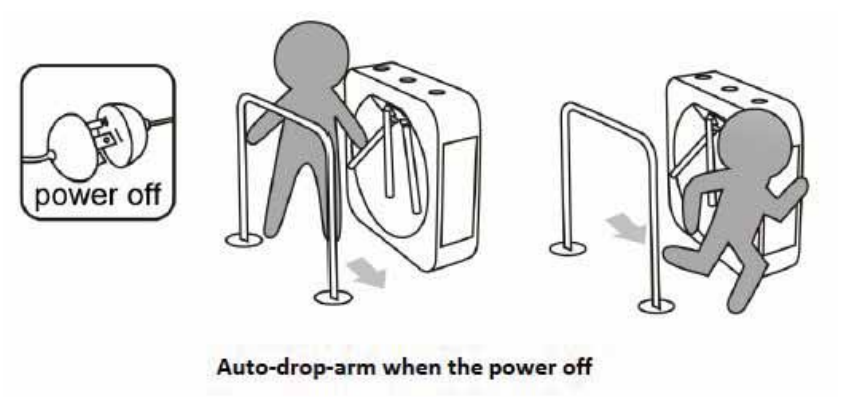
■ Batch setting and debug function: The turnstile can be batch set and de-bugged by the software. **It will greatly improve the working efficiency and reduce the maintenance cost.**

■ Compatibility: Equipped with the dry contact signal input interface, **compatible with all kinds of access controllers.**

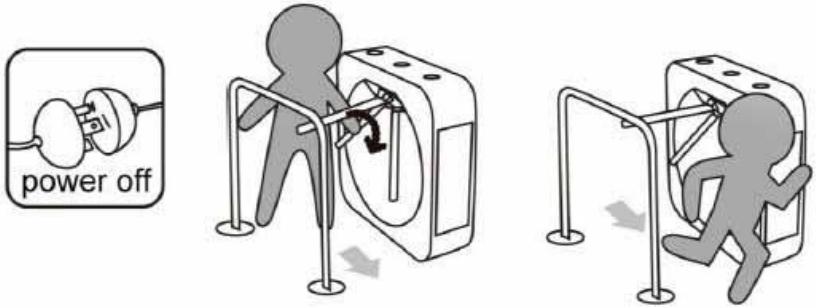
Safety Design

■ Auto-drop-arm function: Use the advanced mechanical structure create by KBB, the arm can drop down automatically when power off (default), or free pass-ing mode without dropping arm when the power off, it's convenient to make evacuation and accord with the fire-fighting requirement.
■ Anti-bump function: Can bear a safety margin impulse force when the arms are locked, overtop the safety scale, the arms can push forward slowly, to protect the mechanism and pedestrian.

■Emergency-escape function: With the Emergency-escape controller, the systems will drop down the arms automatically, and it is convenient to evacuate the people.



Auto-drop-arm when the power off



Free passing when the power off

Pictures

KTT100

KTT103

KTT106

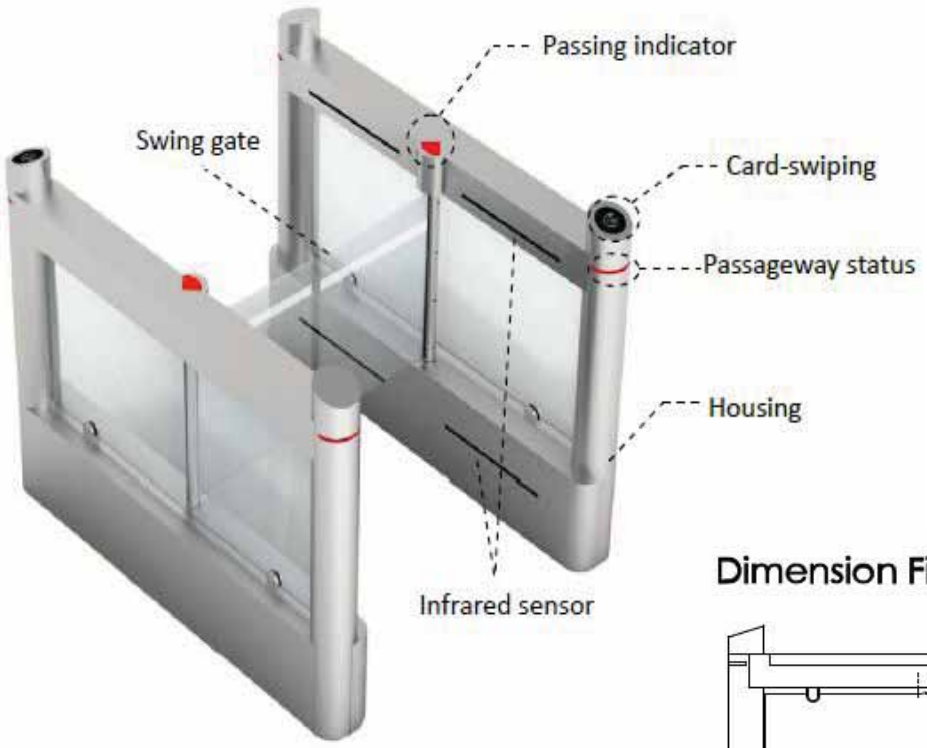
KTT200

KTT201

Technical Parameters

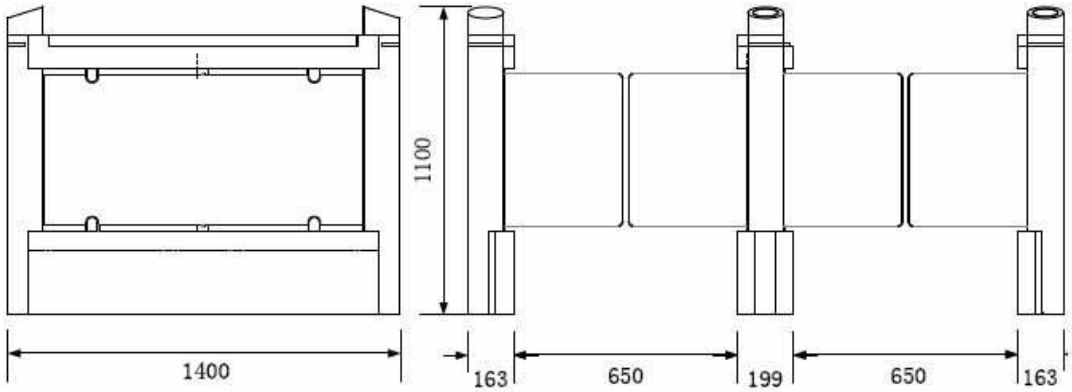
Technical Parameters			
■power and voltage	AC 220V / AC 85 ~ 230V	■operation voltage	DC 24V
■machinery mechanism	MTHT™ Lossless mechanism	■driving motor	DC brushless motor
■communication interface	RS485 / RS232	■rated power	40W
■passing speed	20 ~ 35 people / min	■working environment	Indoors
■operation temperature	- 15℃ ~ 60℃	■humidity temperature	0 ~ 95% (non- condensation)
■control input/output	6 channels relay control output / 4-channel dry contact signal input		

Swing Turnstile



■ Housing material:
304 grade stainless steel
■ Housing dimension: （**mm**）1400×163×1100 (single swing gate)
1400×199×1100 (double swing gate)
■ **Surface treatment:** brushed finish
■ **Swing gate material:** organic glass
■ **The turning angle of swing gate:**
90° (one-way passing)
±90 (Bi-directional passing)
■ Lane width:
650 mm (default)

Dimension Figure (Unit: mm)



Side view

Front view

Basic Function

■ Passing mode: 【controlled mode】 /【 free mode 】/【 forbidden mode】
(The entry and exit can be set independently)

■ Automatic reset function: The swing gate will return to the hindered zero position automatically when the passing is finished, **stable and no shaking.**

■ Self-recovery function: The swing gates do not return to the hindered zero position because of something abnormal. And the swing gate will automatically recover to the hindered zero position when it is over the set time.

■ Self-check function when power on: The system will self-check routinely when the power is on, and intelligently detect the key hardware and function. **Find the hidden danger within the shortest time!**

Special Function

■ Unique dynamic monitoring function

■ Batch setting and debug function: The turnstile can be batch set and debugged by the software. **It will greatly im-prove the working efficiency and reduce the maintenance cost.**

■ Compatibility: Equipped with the dry contact signal input interface，**Compatible with all kinds of access controllers.**

■ Passing indication function

Custom-made Feature:

■ Passing counting function: With external or built-in counter,
record the pass-ing times of one way (independently count the numbers of entrance and exit)

■ Memory function of passing requests: More than 2 passing signals are given at the same time (including the same direction and opposite direction), the system will remember all the passing requests and finish them one by one.

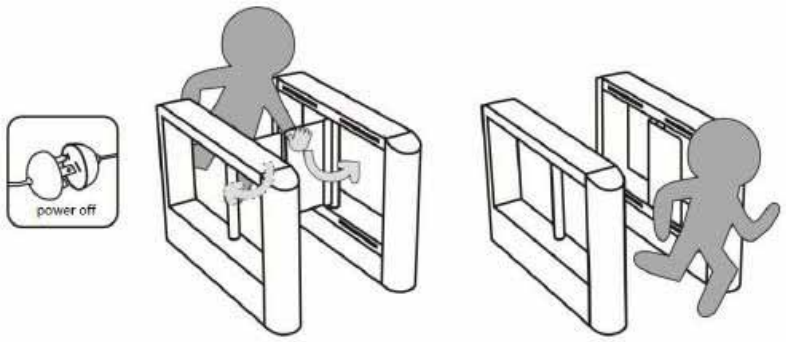
■ Passing limit and forbidden function: Limit the allowed net passing numbers of people at one direction within a certain period by software (the numbers in one direction minus the numbers in opposite direction), to meet the visit

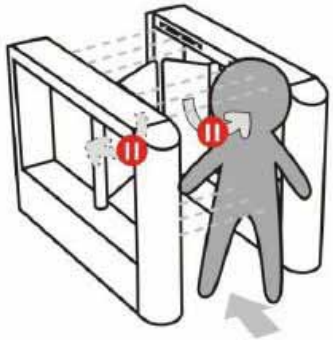
Safety Design

■ Open gate when the power is failure: Adopt the leading mechanical structure created by KBB; the system will unlock the gate automatically when power is off; manually push the gate to be open and convenient to evacuate people, which meets the fire requirement.

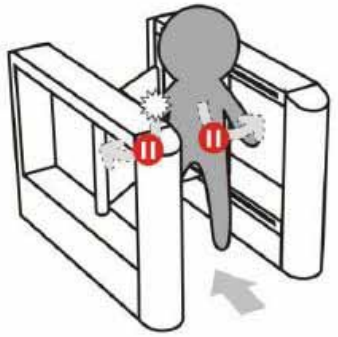
■ Anti-clamping function: （**1**）Anti-pinch by infrared sensor: Install multi-pair of infrared sensors near the anti-pinch area where swing gate is moving. Once people or thing is detected within the anti-pinch area, the swing gate will automatically stop moving; until the people or thing leaves the anti-pinch area, the swing gate will con-tinue to move. （2）Mechanical anti-pinch: The swing gate will immediately and reversely bounce off when the swing gate encounter obstacles; the impulse force is within the safety range when the swing gate is moving.

■ Anti-collision function: When the gate is locked, it can support the impulse force within the safety range. The gate can be manually pushed slowly when it is over the safety range, to protect the mechanism and pedestrian, and then recovers automatically.



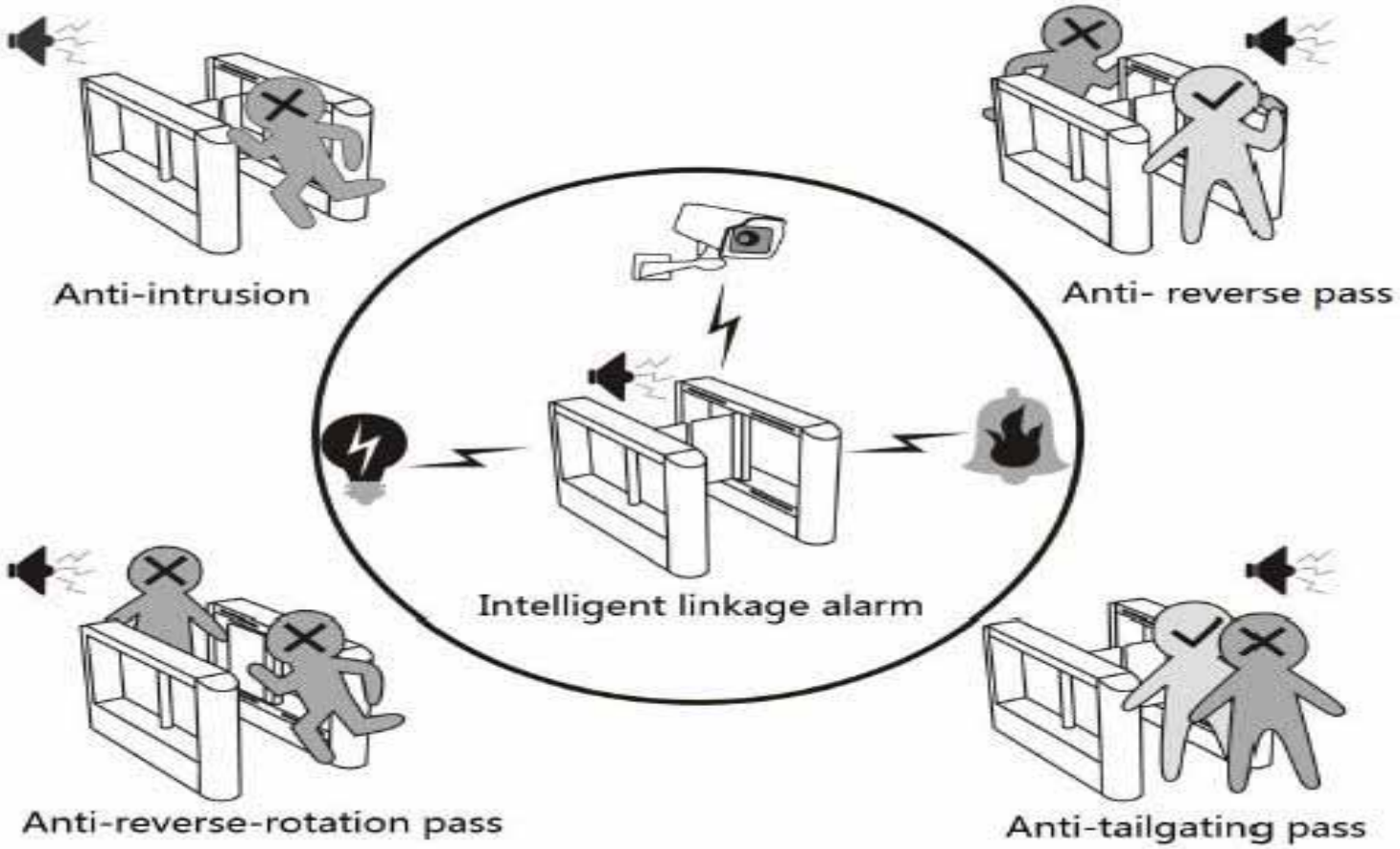


Infrared anti-clamping



machinery anti-clamp,
stop once resistance force occurs

Security Design



Pictures

KTS101

KTS104

KTS106

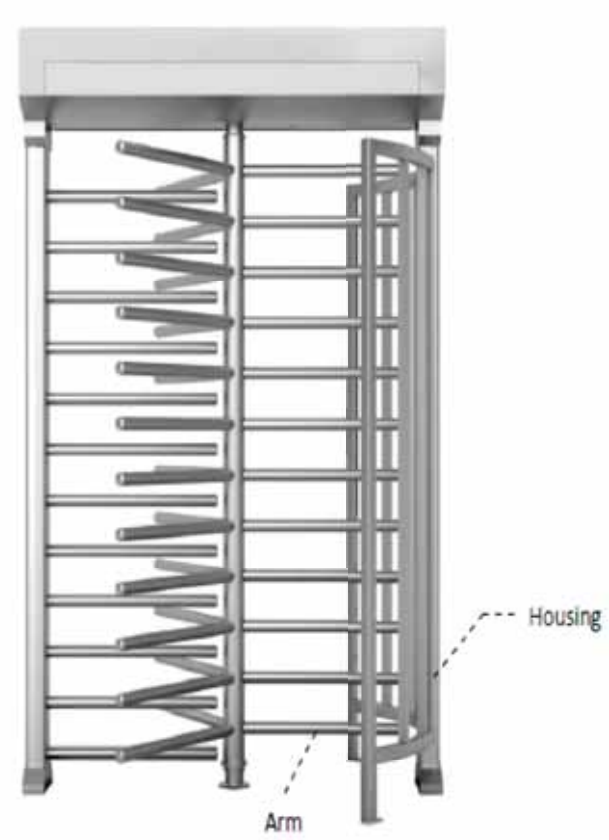
KTS108

KTS301-1

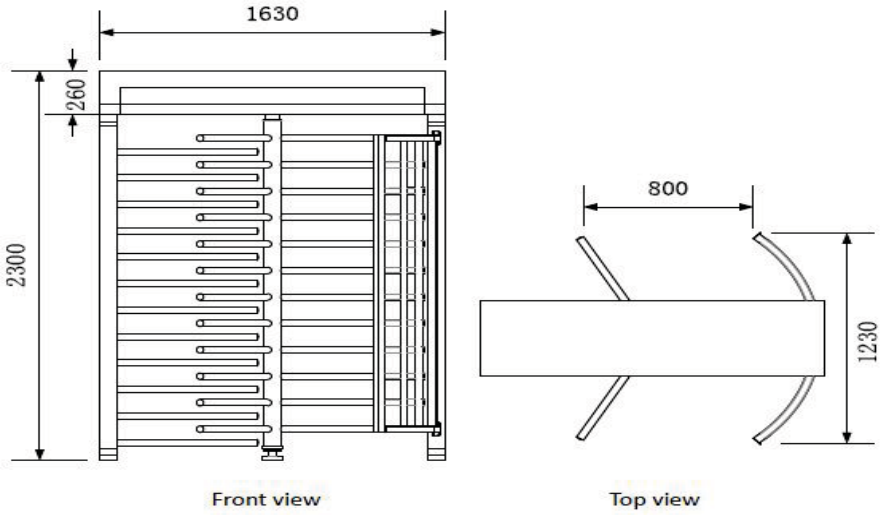
Technical Parameters

Technical Parameters			
■power and voltage	AC 220V / AC 85 ~ 230V	■operation voltage	DC 24V
■machinery mechanism	MTHT™ Lossless mechanism	■driving motor	DC brushless motor
■communication interface	RS485 / RS232	■rated power	100W
■passing speed	30 ~ 45 people / min	■working environment	Indoors
■operation temperature	- 15℃ ~ 60℃	■humidity temperature	0 ~ 95% (non- condensation)
■control input/output	6 channels relay control output/ 4-channel dry contact signal input		

Full Height Turnstile



■ Housing material:
304 grade stainless steel
■ **Housing dimension:** 1630×1230×2300 (mm)
■ **Surface treatment:** brushed finish
■ **Arm's material:** 304 grade stainless steel
■ **Lane width:** 800mm (default)
■ Arm's OD:
38 mm (default)
48 mm (max)



Product Description

- Three-arm full height turnstile: Oblong top cover; single passageway, detachable ; easy to transport.

- The housing is made of high quality stainless steel, and all the internal parts are with antirust and antiseptic treatment, therefore, the turnstile is durable. The whole machine works stably, mute, with low power consumption, energy conservation and environment protection.

- With Semi-auto structure, after turnstile receives a legal signal, people need to manually push the arms to finish one passing action. The turnstile works stably, safely, and reliably.

- With large hinder area can achieve one time to pass one person effectively, and it's suitable to be used at the smaller visitor flow rate and high security required occasions.

- At the low-temperature environment, can be customized to install the constant temperature systems in the turnstile according to the requirement of customers.

- Provide the control software for human-machine interface and SDK protocol freely. It can achieve batch control and debugging function conveniently and the expansibility is very strong.

Basic Function

■ **Passing mode:**【controlled mode】/【 free mode 】/【 forbidden mode】 (The entry and exit can be set independently)
■ **Operation mode:** Normally open
■ **Automatic reset function:** Full height turnstile will return to the hindered zero position automatically when the passing is finished, **stable and no shaking.**
■ **Self-recovery function:** Full height turnstile does not return to the hindered zero position because of something abnormal. And full height turnstile will automati-cally recover to the hindered zero position when it is over the set time.

Special Function

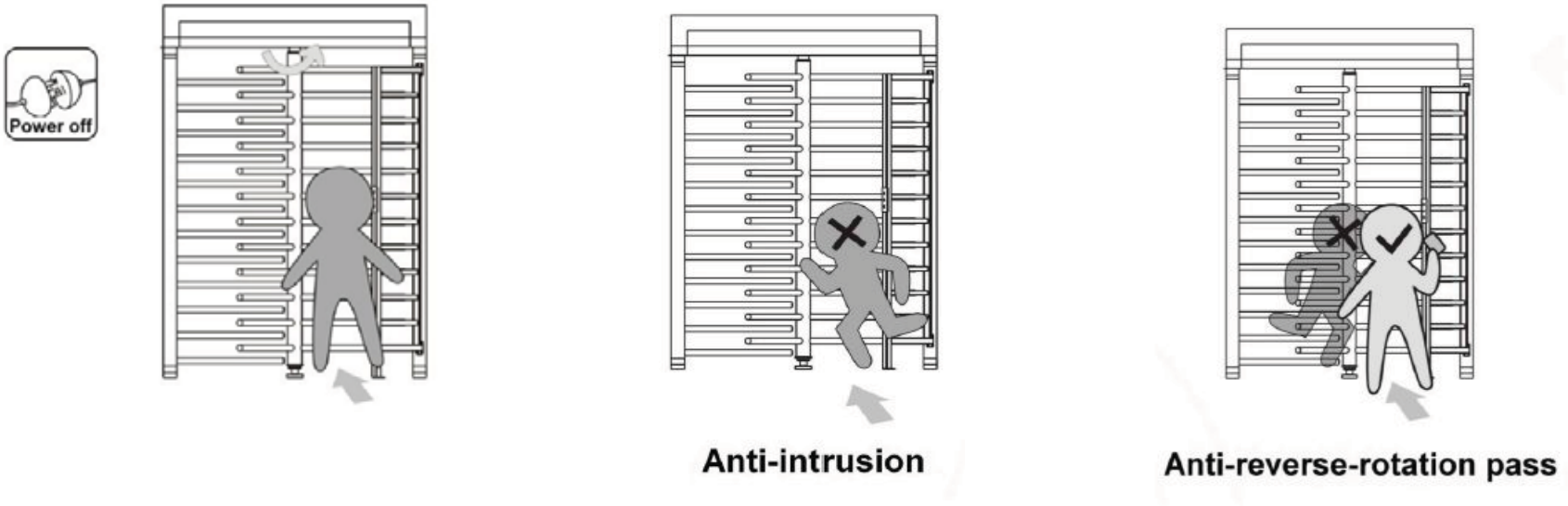
■ **Unique dynamic monitoring function**
■ **Batch setting and debug function:** The turnstile can be batch set and de-bugged by the software. **It will greatly improve the working efficiency and reduce the maintenance cost.**
■ **Compatibility:** Equipped with the dry contact signal input interface **Compatible with all kinds of access controllers.**

Safety and Security Design

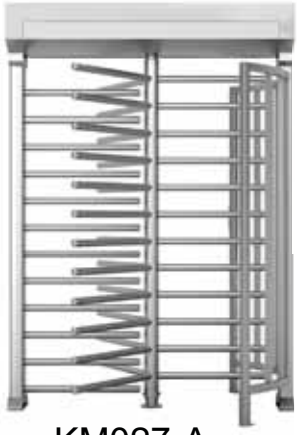
■ **Open gate when the power is failure :** Open gate when the power off: use the advanced mechanical structure created by KBB, the system will unlock the arms when the power off, and it can manually push the arms to freely pass, so it's convenient to evacuate people to accord with the fire-fighting requirement. (Forbid-den passing & locking mode is optional when the power off)

■ **Anti-collision function:** The arms can't be pushed forward when the arms are locked, and it can bear the impulse force within the scope of security.

■ **Emergency escape function:** Equipped with the control device for emergency escape, and the system can open the gate automatically and convenient to evacuate people.



Pictures



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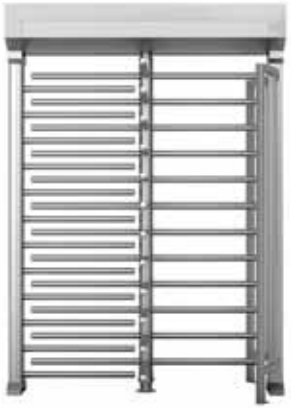


KM027-B

KM027-C

KM027-E

KM027-I

Technical Parameters

Technical Parameters			
■power and voltage	AC 220V / AC 85 ~ 230V	■operation voltage	DC 24V
■machinery mechanism	MTHT™ Lossless mechanism	■rated power	25W(normally open)
■communication interface	RS485 / RS232	■working environment	Indoors/outdoors
■passing speed	20 ~ 30 people / min	■humidity temperature	0 ~ 95% (non- condensation)
■operation temperature	- 15℃ ~ 60℃	■operation times	⩾5 million times
■control input/output	6 channels relay control output / 4-channel dry contact signal input		

Wing Gate Pictures

KTW100

KTW103

KTW104

KTW105

KTW106

Sliding Gate Pictures

KTSL100

KTSL101

KTSL102

KTSL103

Other Products provided by KBB

•Automatic sliding door/sliding door operator

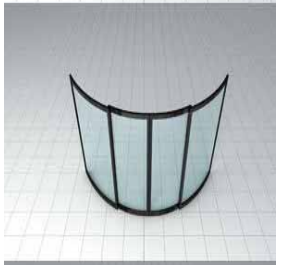
•Automatic curved sliding door

•Automatic telescopic sliding door

•Automatic two wing revolving door

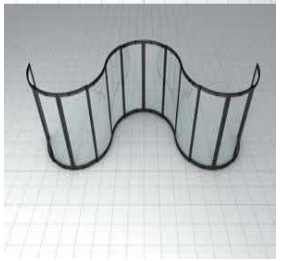
•Automatic/manual three/four wing revolving door

•Automatic/manual all glass three/four wing revolving door



•ATM security door

•Automatic residential door



•Automatic hermetic door

KBB

Thank You !