CHISUNG INTELLIGENCE TECHNOLOGY CO., LIMITED

Add: 5/F Building No.640,Shen Shan Road,Longgang,Shenzhen,Guangdong,China, 518116

Chisung company is a leader high-tech enterprise in manufacture and selling of security and protection products and service in Shenzhen China.Chisung products series mainly include all kinds of Turnstiles, such as Tripod Turnstile,Full Height Turnstile,Swing Turnstile,Flap Turnstile,Speed Turnstile,Barrier Gate,Packing Lock,Swing Gate Motor/Opener, Sliding Gate Motor/Opener,Swing Door Operator,Sliding Door Operator,Road Blocker,Tyre Killer,GSM Relay Controller.

Products covers a wide range series and models,and can meet many kinds of customers'requirements.Chisung Products passed the CE,FCC and ROHS certification. Chisung apply itself to provide all the customers with constant innovative and high quality products, services and solutions, also provides ODM,OEM service to the related products, in order to create long term and steady customer satisfaction and value for our customers.

Chisung use the DC brushless motor to all the turnstiles and barrier gate for 17years,and our gate

We serve and respond to our global clients all over the world at the same day, and it is worry-free and no distance between us, your wise to trust us.

Smart Automatic Tripod Turnstile Gate Mechanism
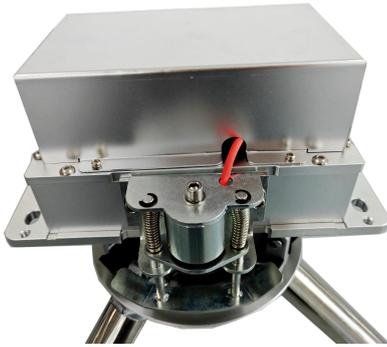
.High cost-effectiveness

.Built-in circuit board

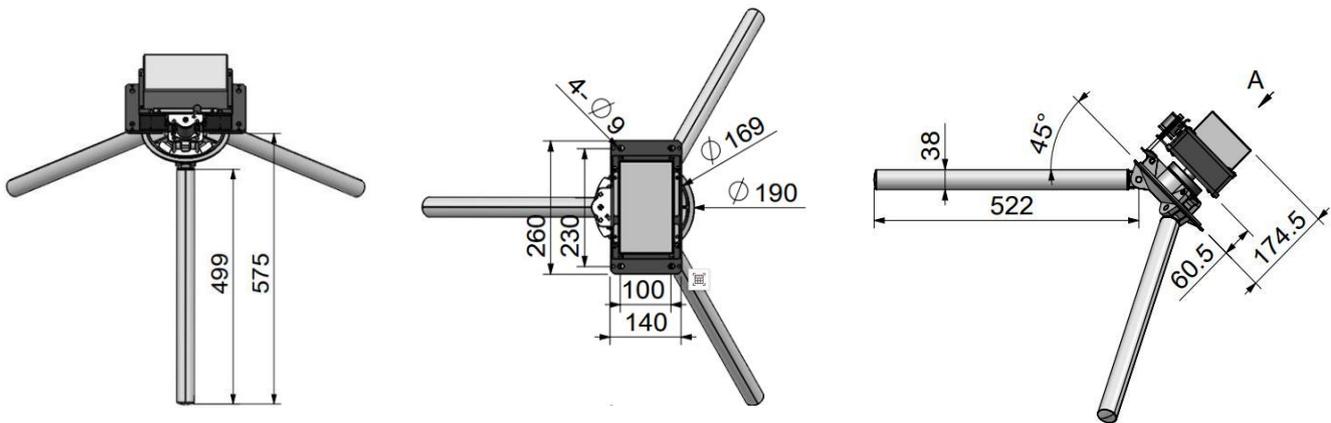| Technical Parameter	
Model	**CSTSM03**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Brushless DC motor
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Rotation angle	120 degrees
Traffic Speed	40~60 people/minute
Unlock Time	0.2s
Gate rod length	500mm/600mm(customized),Channel width:≤550mm
Drive Voltage	DC24V 3.2A Or even larger
Power	20W
Sensor	PNP type normally open proximity switch
Control panel	Brushless DC version, Integrated motherboard(Built-in design)
Indicator light	Red and green flowing lights
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
Anti-submarine return device	Anti-reversal device,Prevent the rotating unit from rotating in the opposite direction to the original one.
MTBF	≥5 million times

Optional accessories

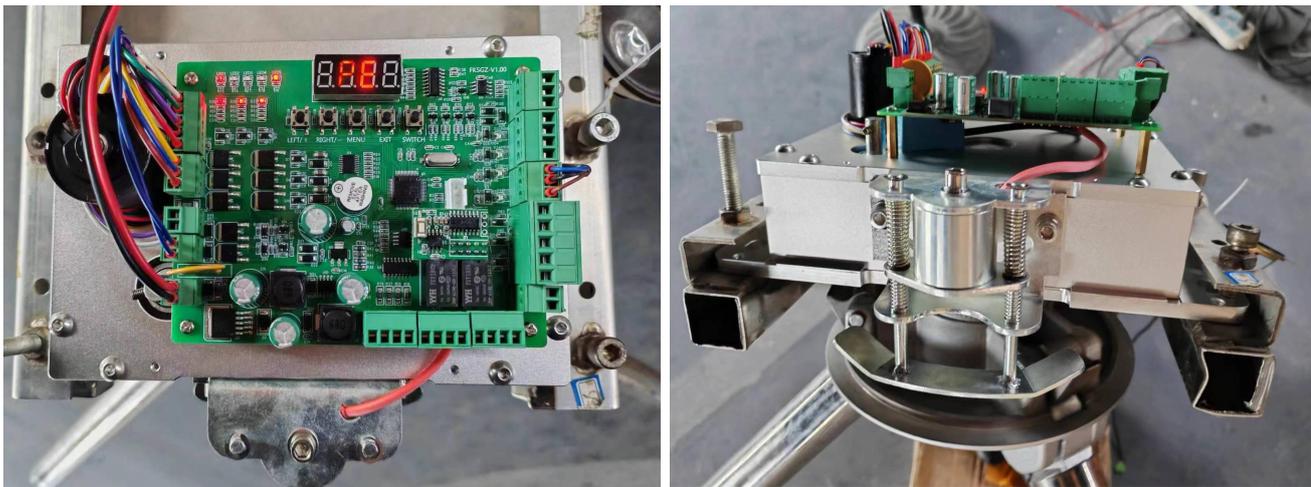| 304 stainless steel turntable, 50mm in length	DC24V, 3.2A Switching Power Supply	Air switch	12V RG signal indicator light	Password keypad / Facial recognition	Exit button	Access control panel

Functions & Features

1. The Design Is Reasonable And Reliable, The Noise Is Low, And The Operation Is Stable;

2. Long Service Life, Up To 5 Million Times;

3. It Has The Function Of Power-Off,and them arm will Drop, After power on, the device will automatically restore the Arm and self-check;It Can Also Add Remote Control For Drop arm Controlling;

4. It could come with LED indicators, valid cards showgreen, illegal cards showred;

5. Usingaccess control Card, you could Set The card "With Memory" Or "Without Memory"Function;

6. With Automatic Reset Function, That Is, After Obtaining The Permission To Pass The Gate, The Gate Will Automatically Return To The Locked State If the pedestrian didn't Passed Within The Set Time;

7. Compatible With IC/ID Card,Scanning And Face Recognition And Other Identification Methods

8. It Has A Unified Standard Interface With External Electrical Appliances, Which Is Convenient For Integrating other's System

9. It Can Be Extended To Realize The Functions Of Access Control, Attendance, Charging And So On.

Size(Unit: mm)

Some details of the mechanism

Some styles

Smart Automatic Tripod Turnstile Gate Mechanism

. MTBF: >8Millions times
. Durable&Stable&Intelligent
. Bigger Tooth Cluth, anti-collision
. Silence&no abrasive wear

Technical Parameter

Model	**CSTSM01**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Brushless DC motor
Main Material	Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Rotation angle	120 degrees
Traffic Speed	40~60 people/minute
Unlock Time	0.2s
Gate rod length	500mm/600mm(customized),Channel width:≤550mm
Drive Voltage	1pc DC24V 6.5A and 1pc DC12V 3.5A
Power	40W
Sensor	The accompanying electronic limit switch
Control panel	Brushless DC version, Integrated motherboard
Indicator light	Electronic limit switch
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication
Voice Output	Supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
MTBF	≥8 million times

Accessories

Standard configuration			Optional Accessories			
304 stainless steel turntable, 50mm in length	Control box	12V RG signal indicator light	Password keypad	Facial recognition	Exit button	Access control panel

Functions & Features

Full-Auto

Brushless DC motor + control board, different from the semi-automatic style of electromagnet,board supports Customizable programs.

Bigger Tooth Cluth, anti-collision

Anti-hit against function when the turnstile touch the passing people, it will stop and after several seconds, it will turn again.

Self resetting function

The system will cancel the people passing right when reading the card but not passing, the time can be setted. After power on, the gate will self check again; After a power off; The gate rod will drop, allowing passage.
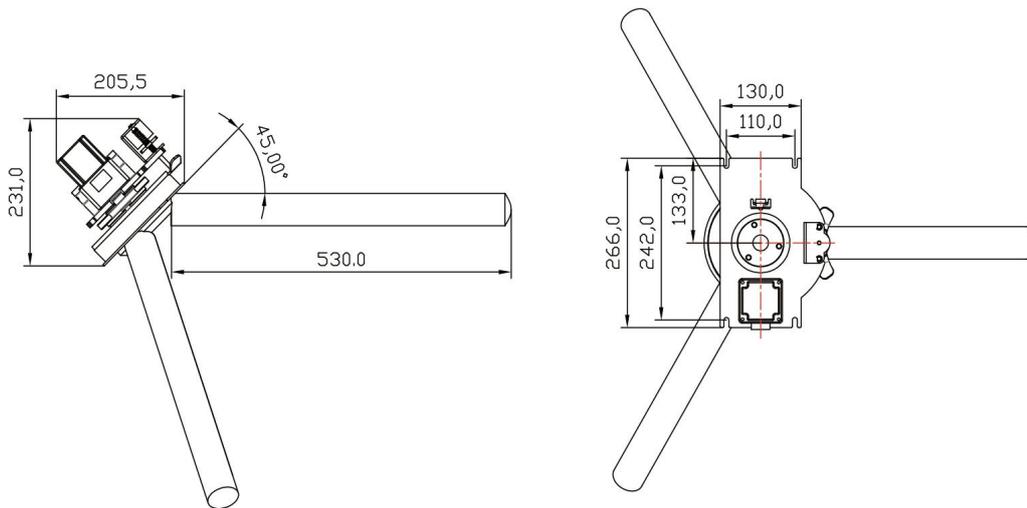
Two-way traffic

Prohibiting illegal passing, the turnstile without the card, the locking time can be setted, and unlocked by the card. Counting the passing people number automatically, and with LED display.

RS485 Communication

Standard electric interface and is available to be integrated with various read/write facilities to facilitate the system integration. It is able to realize far end control and management with the help of administrative computer.

Size(Unit: mm)

Some applications

| QR code/Card | ID/IC Swipe card | Face recognition | Password keyboard | Gym system | Ticketing system | Dust-free workshop EsD system |

Some styles

Smart Automatic Tripod Turnstile Gate Mechanism

. 40W/DC24V with Encoder
. MTBF: >8Millions times
. Durable&Stable&Intelligent
. Bigger Tooth Cluth, anti-collision
. Silence&no abrasive wear

Technical Parameter

Model	**CSTSM01-Servo**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Servo DC motor+ 1024 Encoder
Main Material	Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	40~60 people/minute
Unlock Time	0.2s
Rotation angle	120 degrees
Gate rod length	500mm/600mm(customized),Channel width:≤550mm
Drive Voltage	1pc DC24V 3.5A
Power	40W
Sensor	The accompanying electronic limit switch
Control panel	Servo DC version, Integrated motherboard
Indicator light	Electronic limit switch
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
MTBF	≥8 million times

Optional accessories

Standard configuration			Optional Accessories			
304 stainless steel turntable, 50mm in length	Control box	12V RG signal indicator light	Password keypad	Facial recognition	Exit button	Access control panel

Functions & Features

Servo motor,Full-Auto
Dc Servo motor +control board,different from the semi-automatic style of electromagnet, board supports
Customizable programs

Bigger Tooth Cluth, anti-collision
Anti-hit against function when the turnstile touch the passing people, it will stop and after several seconds, it
will turn again.

Self resetting function
The system will cancel the people passing right when reading the card but not passing, the time can be setted.
After power on, the gate will self check again; After a power off; The gate rod will drop, allowing passage.
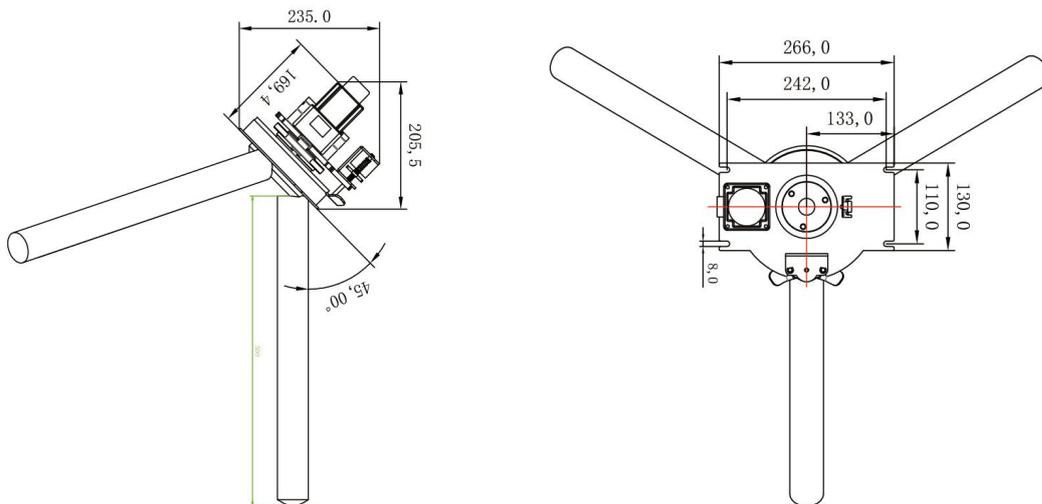
Two-way traffic
Prohibiting illegal passing, the turnstile without the card, the locking time can be setted, and unlocked by the
card. Counting the passing people number automatically, and with LED display.

RS485 Communication
Standard electric interface and is available to be integrated with various read/write facilities to facilitate the
system integration. It is able to realize far end control and management with the help of administrative
computer.

Size(Unit: mm)

Some applications

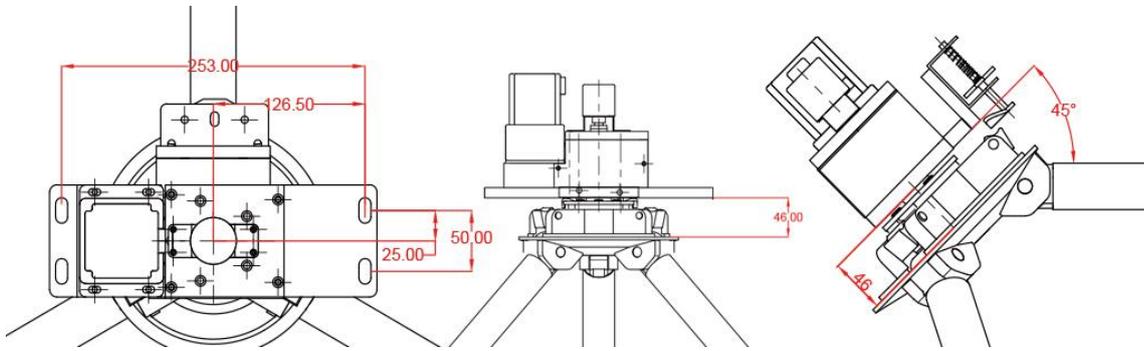| QR code/Card | ID/IC Swipe card | Face recognition | Password keyboard | Gym system | Ticketing system | Dust-free workshop EsD system |

Smart Automatic Tripod Turnstile Gate Mechanism

Technical Parameter

Model	**CSTSM05**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Brushless DC motor
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	40~60 people/minute
Unlock Time	0.2s
Rotation angle	120 degrees
Gate rod length	500mm/600mm(customized),Channel width:≤550mm
Drive Voltage	1pc DC24V 3.2A
Power	30W
Sensor	PNP type normally open proximity switch
Control panel	Brushless DC version, Integrated motherboard
Indicator light	Electronic limit switch
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
Anti-submarine return device	Anti-reversal device,Prevent the rotating unit from rotating in the opposite direction to the original one.
MTBF	≥5 million times

Optional accessories

304 stainless steel turntable, 50mm in length	DC24V, 3.2A Switching	Air switch	12V RG signal indicator light	Password keypad / Facial recognition	Exit button	Access control panel

Size(Unit: mm)

Technical dimension drawings showing measurements: 253.00, 126.50, 25.00, 50.00, 46.00, 45°, 46

Functions & Features

1.The Design Is Reasonable And Reliable, The Noise Is Low, And The Operation Is Stable;

2.Long Service Life, Up To 5 Million Times;

3.It Has The Function Of Power-Off,and them arm will Drop, After power on, the device will automatically restore the Arm and self-check;It Can Also Add Remote Control For Drop arm Controlling;

4. It could come with LED indicators, valid cards showgreen, illegal cards showred;

5. Usingaccess control Card, you could Set The card "With Memory" Or "Without Memory"Function;

6. With Automatic Reset Function, That Is, After Obtaining The Permission To Pass The Gate, The Gate Will Automatically Return To The Locked State If the pedestrian didn't Passed Within The Set Time;

7. Compatible With IC/ID Card,Scanning And Face Recognition And Other Identification Methods

8. It Has A Unified Standard Interface With External Electrical Appliances, Which Is Convenient For Integrating other's System

9. It Can Be Extended To Realize The Functions Of Access Control, Attendance, Charging And So On.

Some applications

| QR code/Card | ID/IC Swipe card | Face recognition | Password keyboard | Gym system | Ticketing system | Dust-free workshop EsD system |

Some styles

#1 #2 #3 #4 #5 #6 #7

#8 #9 #10 #11 #12 #13

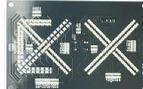#14 #15 #16 #17 #18

Smart Automatic Tripod Turnstile Gate Mechanism

. Simple appearance
. Built-in circuit board

Technical Parameter

Model	CSTSM02
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Carbon brush DC motor
Motor speed	1450rpm
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Unlock Time	0.2s
Traffic Speed	25-35 people/minute
Rotation angle	120 degrees
Max Bearable Weight	80KGS,Arm Drive Force:4KGS
Gate rod length	490mm,Channel width:≤550mm
Drive Voltage	1pc DC12V 3.2A
Power	50W
Sensor	PNP type normally open proximity switch
Control panel	Carbon brush DC version, standard configuration
Indicator light	The accompanying electronic limit switch
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS232 serial communication
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS232 host computer control, etc
MTBF	≥3 million times

Standard accessories

304 stainless steel turntable, 50mm in length	control board 12V RG signal indicator light	Power supply + Leakage protection switch

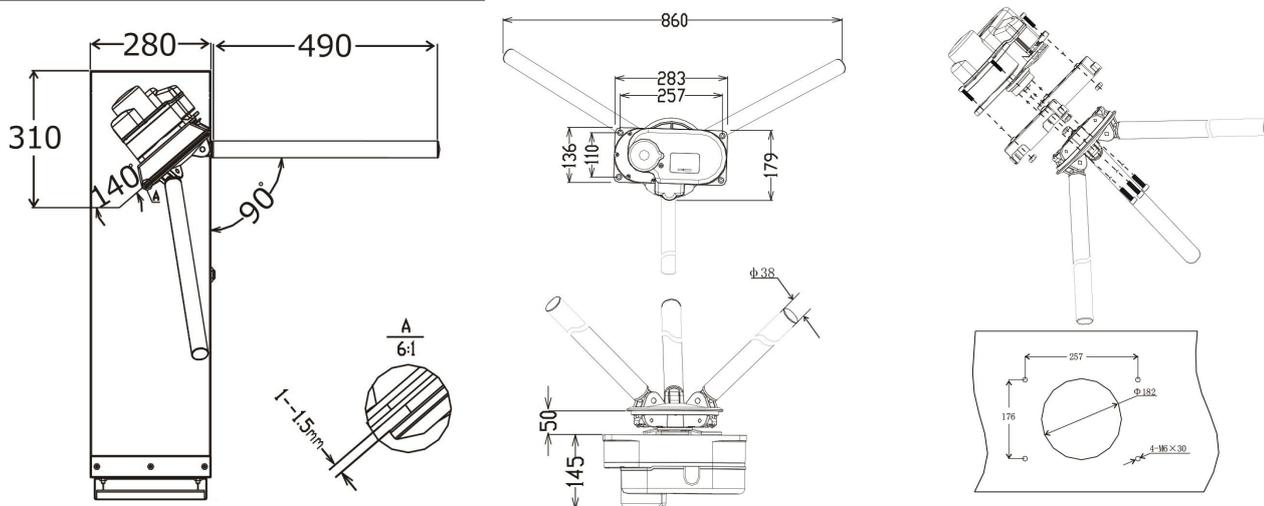## Optional accessories

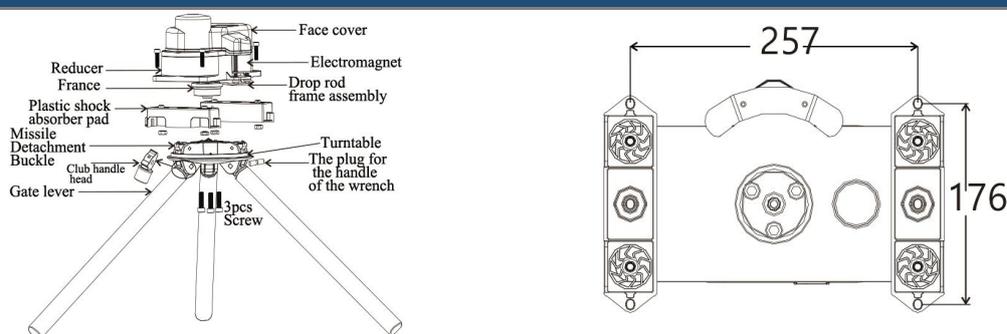|						
Exit button	Push button	Technician	Access control panel	Warning light	Password keypad	Facial recognition

Functions & Features

1. Mechanical self-locking mechanism, precise gears
2. Has bidirectional passage function, the gate can be turned in both directions or in one direction (optional)
3. It is equipped with an automatic fault detection function
4. There are multiple working modes available for selection. It can read cards in both directions, or read cards in one direction while prohibiting movement in the other direction; and the working mode of the gate can be controlled through buttons on the control panel. Setting
5. Automatic lowering of the barrier upon power loss, suitable for fire safety; upon restoration of power, the barrier can automatically close.
6. Automatic reset function. If a pedestrian does not pass within the set time after successfully reading the valid card, the system will automatically revoke this pedestrian's passage permission.
7. support connecting to two-way traffic lights to use the lights to indicate the traffic status, allowing passage or prohibiting passage.
8. support connectingto a two-way traffic counter to display the number of people passing in the respective direction.
9. support connecting to a two-way card reader, supporting the WEIGNAD26/34 protocol card reader.
10. RS232 interface, through this interface, it can communicate with a computer, and also through the LAN interface with a computer.
11. Soft start function; with accurate locking and unlocking position photoelectric detection.
12. Voice module interface.
13. Overload automatic detection, timeout protection function.

Size(Unit: mm)

Structure

Unit: mm

Some applications

| QR code/Card | ID/IC Swipe card | Face recognition | Password keyboard | Gym system | Ticketing system | Dust-free workshop EsD system |

Smart Automatic Tripod Turnstile Gate Mechanism

. **Simple appearance**
. **Built-in circuit board**
. **Servo DC motor**

Technical Parameter	
Model	**CSTSM02=Servo**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Servo DC motor
Motor speed	1450rpm
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Rotation angle	120 degrees
Unlock Time	0.2s
Traffic Speed	35 people/minute
Max Bearable Weight	80KGS,Arm Drive Force:4KGS
Gate rod length	490mm,Channel width:≤550mm
Drive Voltage	1pc DC12V 3.2A
Power	50W
Sensor	PNP type normally open proximity switch
Control panel	Servo DC version, standard configuration
Indicator light	Electronic limit switch
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS232 serial communication
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS232 host computer control, etc
MTBF	≥3 million times

Standard accessories

304 stainless steel turntable, 50mm in length	control board	12V RG signal indicator light	Power supply + Leakage protection switch

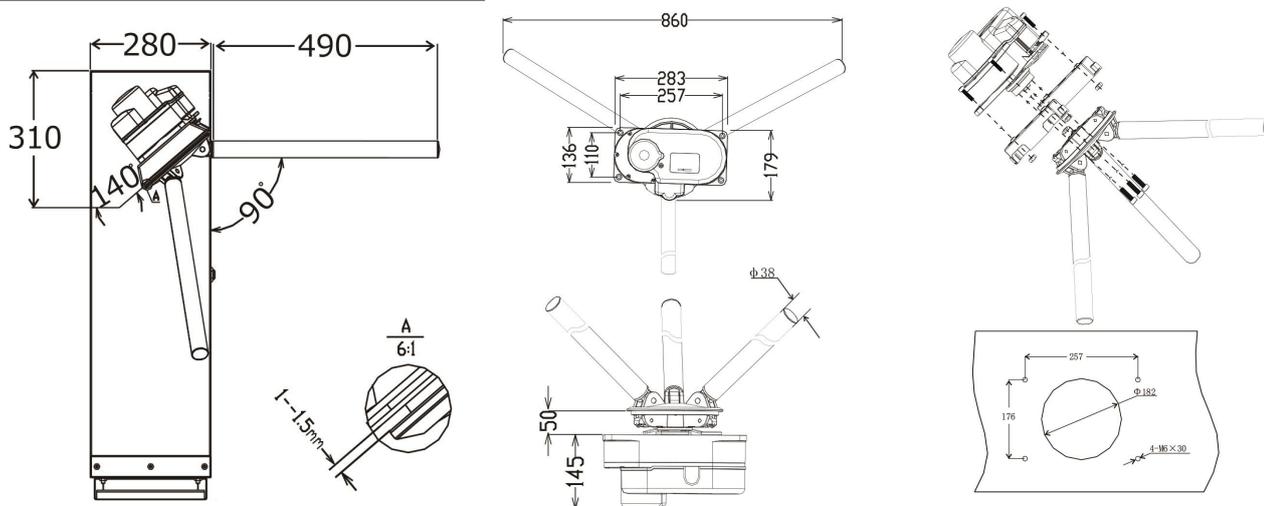## Optional accessories

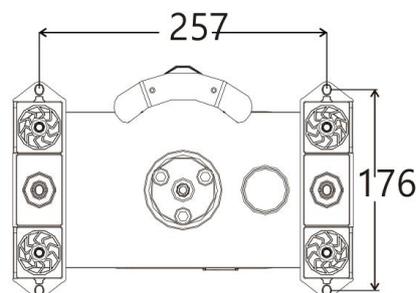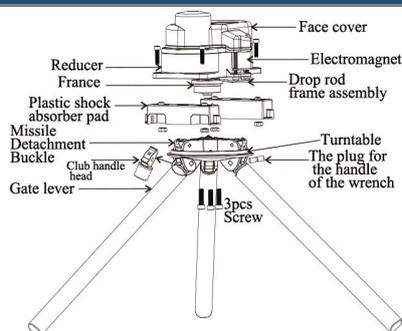|						
Exit button	Push button	Technician	Access control panel	Warning light	Password keypad	Facial recognition

Functions & Features

1. Mechanical self-locking mechanism, precise gears
2. Has bidirectional passage function, the gate can be turned in both directions or in one direction (optional)
3. It is equipped with an automatic fault detection function
4. There are multiple working modes available for selection. It can read cards in both directions, or read cards in one direction while prohibiting movement in the other direction; and the working mode of the gate can be controlled through buttons on the control panel. Setting
5. Automatic lowering of the barrier upon power loss, suitable for fire safety; upon restoration of power, the barrier can automatically close.
6. Automatic reset function. If a pedestrian does not pass within the set time after successfully reading the valid card, the system will automatically revoke this pedestrian's passage permission.
7. support connecting to two-way traffic lights to use the lights to indicate the traffic status, allowing passage or prohibiting passage.
8. support connectingto a two-way traffic counter to display the number of people passing in the respective direction.
9. support connecting to a two-way card reader, supporting the WEIGNAD26/34 protocol card reader.
10. RS232 interface, through this interface, it can communicate with a computer, and also through the LAN interface with a computer.
11. Soft start function; with accurate locking and unlocking position photoelectric detection.
12. Voice module interface.
13. Overload automatic detection, timeout protection function.

Size(Unit: mm)

Structure

Unit: mm

Some applications

| QR code/Card | ID/IC Swipe card | Face recognition | Password keyboard | Gym system | Ticketing system | Dust-free workshop EsD system |

Semiautomatic Tripod Turnstile Gate Mechanism

.Semi-automatic design
.Affordable price

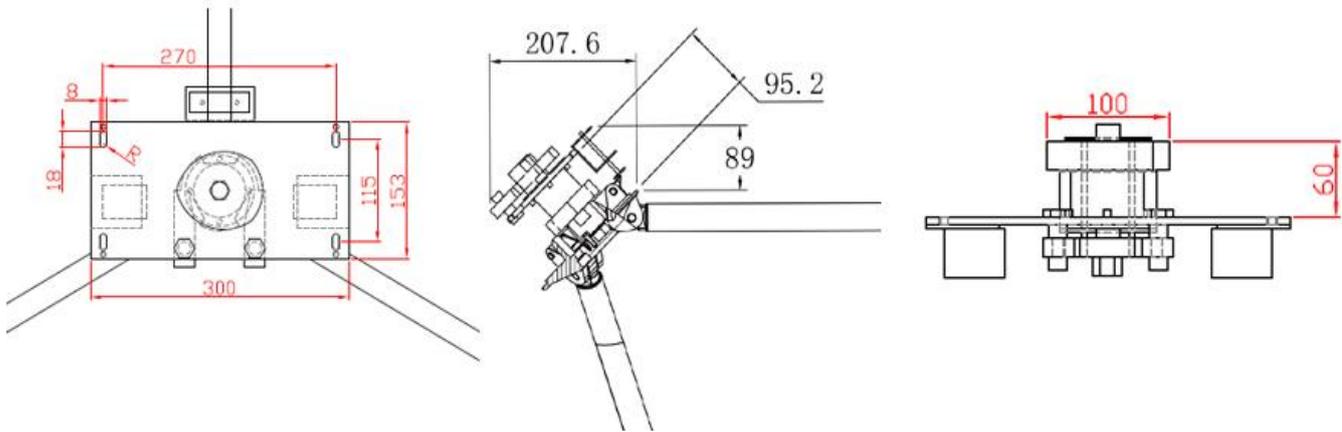| Technical Parameter	
Model	**CSETSM03**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Electromagnet
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	25~35 people/minute
Unlock Time	0.2s
Rotation angle	120 degrees
Gate rod length	500mm/600mm(customized),Channel width:≤550mm
Drive Voltage	DC24V 3.2A Or even larger
Power	20W
Sensor	PNP type normally open proximity switch
Control panel	Semi-automatic circuit board, standard configuration
Indicator light	Red and green flowing lights
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication(Optional)
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
MTBF	≥2 million times

Optional accessories

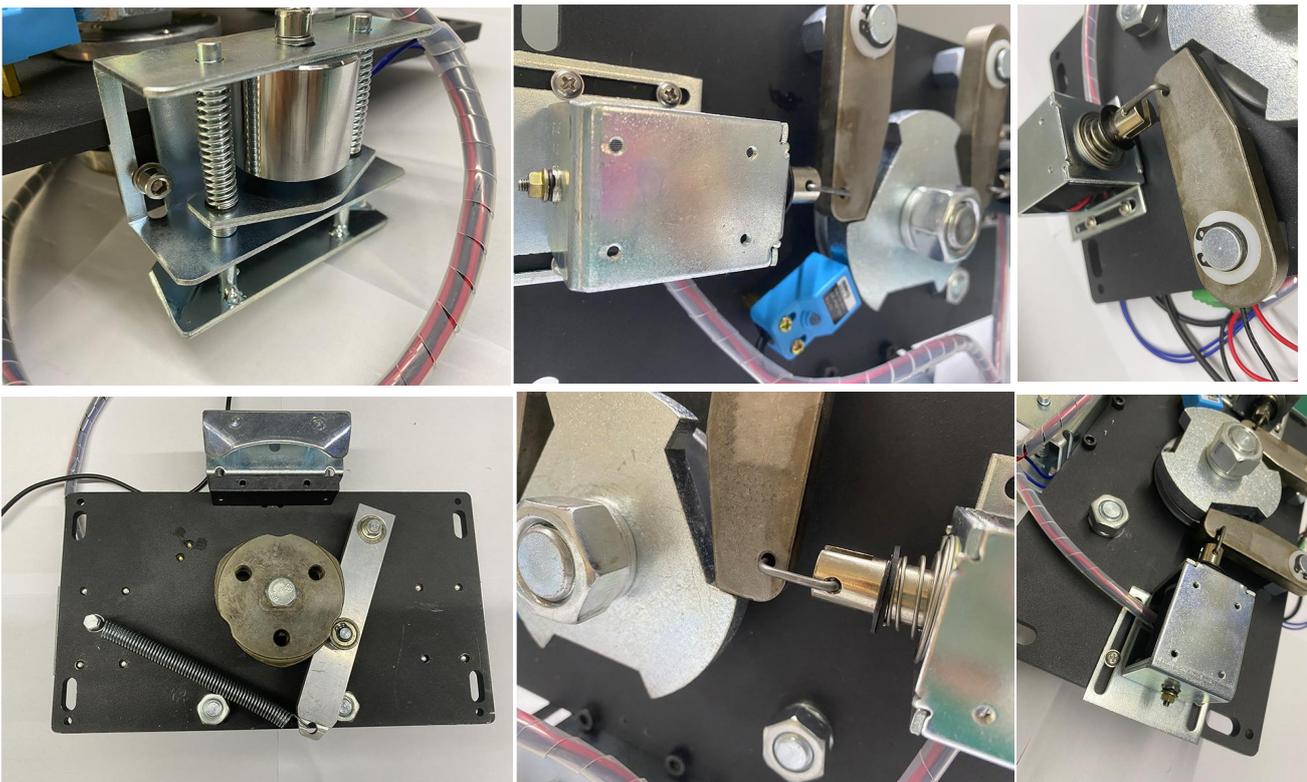|							
304 stainless steel turntable, 50mm in length	DC24V, 3.2A Switching Power Supply	Control board	12V RG signal indicator light	Air switch	Anti-static nylon box	Exit button	Access control panel

Functions & Features

1.The Design Is Reasonable And Reliable, The Noise Is Low, And The Operation Is Stable;

2.Long Service Life, Up To 5 Million Times;

3.It Has The Function Of Power-Off,and them arm will Drop, After power on, the device will automatically restore the Arm and self-check;It Can Also Add Remote Control For Drop arm Controlling;

4. It could come with LED indicators, valid cards showgreen, illegal cards showred;

5. Usingaccess control Card, you could Set The card "With Memory" Or "Without Memory"Function;

6. With Automatic Reset Function, That Is, After Obtaining The Permission To Pass The Gate, The Gate Will Automatically Return To The Locked State If the pedestrian didn't Passed Within The Set Time;

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8. It Has A Unified Standard Interface With External Electrical Appliances, Which Is Convenient For Integrating other's System

9. It Can Be Extended To Realize The Functions Of Access Control, Attendance, Charging And So On.
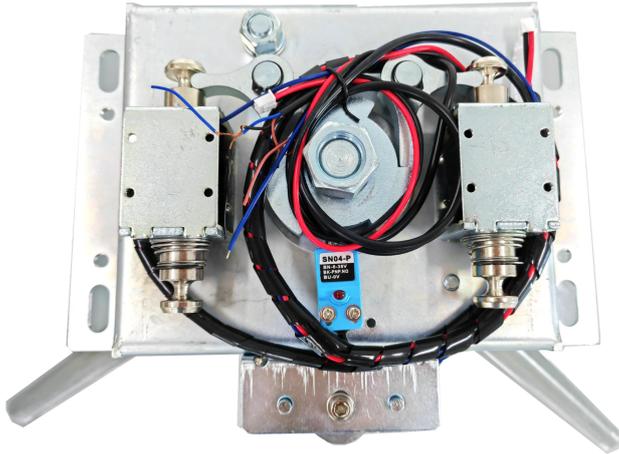
Size(Unit: mm)

Some details of the mechanism

Semiautomatic Tripod Turnstile Gate Mechanism

Technical Parameter

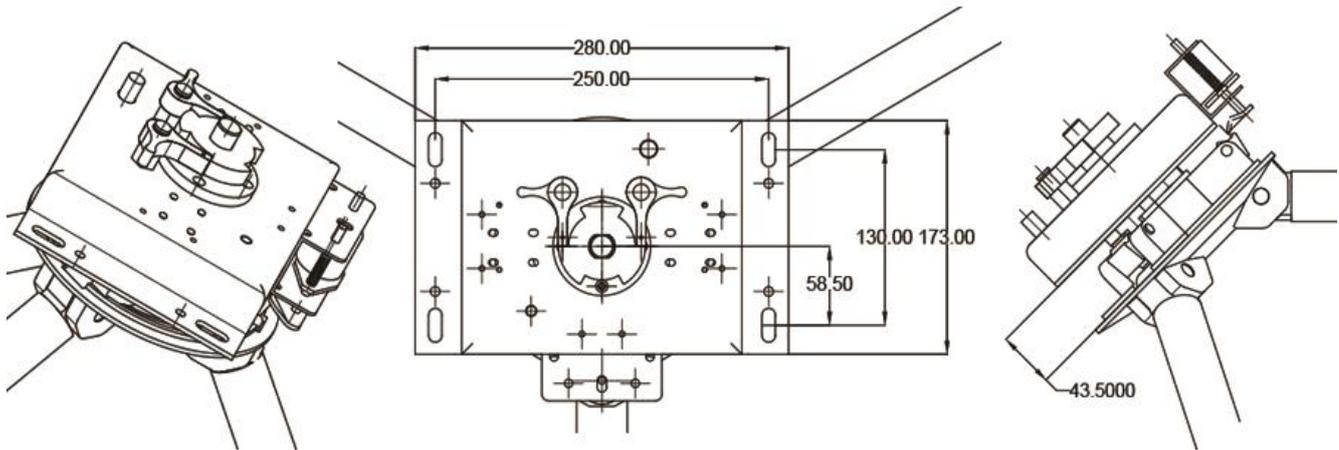|	
Model	**CSETSM02**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Electromagnet
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	25~35 people/minute
Rotation angle	120 degrees
Unlock Time	0.2s
Gate rod length	500mm/600mm(customized),Channel width:≤550mm
Drive Voltage	DC24V 3.2A Or even larger
Power	20W
Sensor	PNP type normally open proximity switch
Control panel	Semi-automatic circuit board, standard configuration
Indicator light	Red and green flowing lights
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication(Optional)
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
MTBF	≥2 million times

Optional accessories

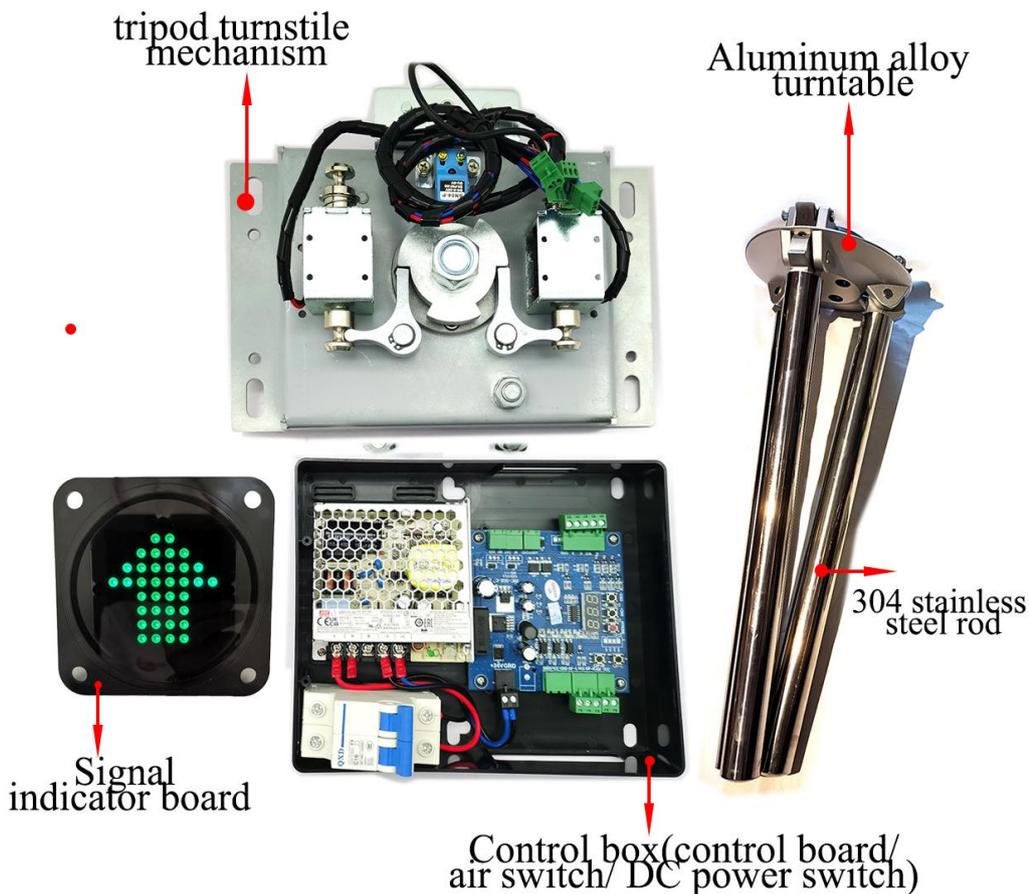|							
304 stainless steel turntable, 50mm in length	DC24V, 3.2A Switching Power Supply	Control board	12V RG signal indicator light	Air switch	Anti-static nylon box	Exit button	Access control panel

Functions & Features

1.The Design Is Reasonable And Reliable, The Noise Is Low, And The Operation Is Stable;

2.Long Service Life, Up To 5 Million Times;

3.It Has The Function Of Power-Off,and them arm will Drop, After power on, the device will automatically restore the Arm and self-check;It Can Also Add Remote Control For Drop arm Controlling;

4. It could come with LED indicators, valid cards showgreen, illegal cards showred;

5. Usingaccess control Card, you could Set The card "With Memory" Or "Without Memory"Function;

6. With Automatic Reset Function, That Is, After Obtaining The Permission To Pass The Gate, The Gate Will Automatically Return To The Locked State If the pedestrian didn't Passed Within The Set Time;

7. Compatible With IC/ID Card,Scanning And Face Recognition And Other Identification Methods

8. It Has A Unified Standard Interface With External Electrical Appliances, Which Is Convenient For Integrating other's System

9. It Can Be Extended To Realize The Functions Of Access Control, Attendance, Charging And So On.

Size(Unit: mm)

Some details of the mechanism

tripod turnstile mechanism

Aluminum alloy turntable

304 stainless steel rod

Signal indicator board

Control box(control board/ air switch/ DC power switch)

Semiautomatic Tripod Turnstile Gate Mechanism

.Semi-automatic design
.Hydraulic rod design - with buffer function during operation

Technical Parameter

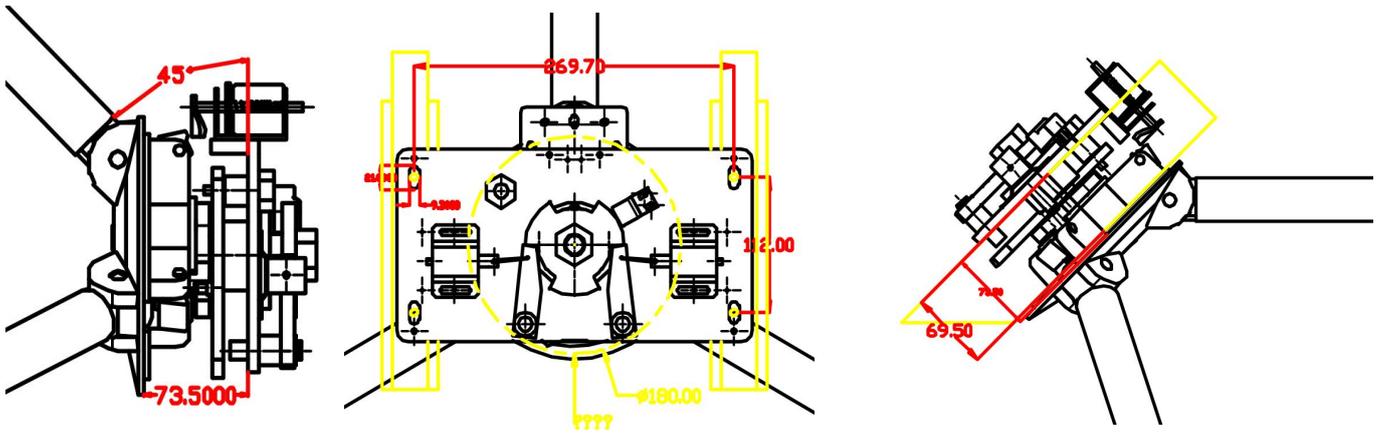|	
Model	**CSETSM04**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Electromagnet+Hydraulic rod deceleration
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	25~35 people/minute
Unlock Time	0.2s
Rotation angle	120 degrees
Gate rod length	500mm/600mm(customized),Channel width:≤550mm
Drive Voltage	DC24V 3.2A Or even larger
Power	20W
Sensor	PNP type normally open proximity switch
Control panel	Semi-automatic circuit board, standard configuration
Indicator light	Red and green flowing lights
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication(Optional)
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
MTBF	≥2 million times

Optional accessories

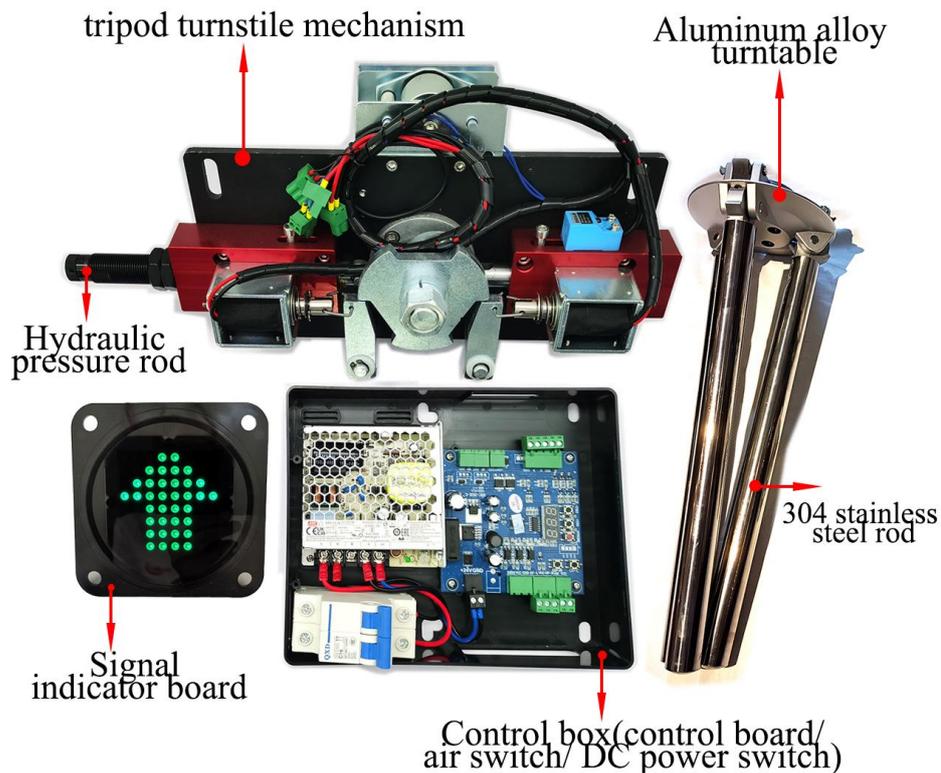|							
304 stainless steel turntable, 50mm in length	DC24V, 3.2A Switching Power Supply	Control board	12V RG signal indicator light	Air switch	Anti-static nylon box	Exit button	Access control panel

Functions & Features

1. The Design Is Reasonable And Reliable, The Noise Is Low, And The Operation Is Stable;

2. Long Service Life, Up To 5 Million Times;

3. It Has The Function Of Power-Off,and them arm will Drop, After power on, the device will automatically restore the Arm and self-check;It Can Also Add Remote Control For Drop arm Controlling;

4. It could come with LED indicators, valid cards showgreen, illegal cards showred;

5. Usingaccess control Card, you could Set The card "With Memory" Or "Without Memory"Function;

6. With Automatic Reset Function, That Is, After Obtaining The Permission To Pass The Gate, The Gate Will Automatically Return To The Locked State If the pedestrian didn't Passed Within The Set Time;

7. Compatible With IC/ID Card,Scanning And Face Recognition And Other Identification Methods

8. It Has A Unified Standard Interface With External Electrical Appliances, Which Is Convenient For Integrating other's System

9. It Can Be Extended To Realize The Functions Of Access Control, Attendance, Charging And So On.
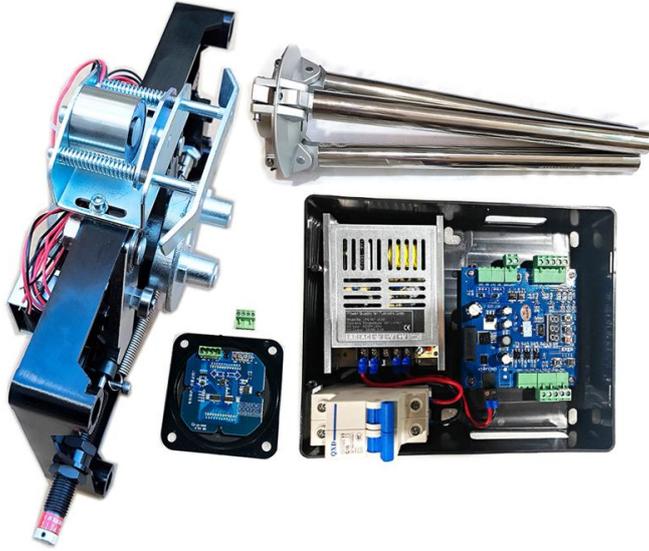
Size(Unit: mm)

Some details of the mechanism

tripod turnstile mechanism

Aluminum alloy turntable

Hydraulic pressure rod

304 stainless steel rod

Signal indicator board

Control box(control board/ air switch/ DC power switch)

Semiautomatic Tripod Turnstile Gate Mechanism

.Semi-automatic design
.Hydraulic rod design - with buffer function during operation

Technical Parameter

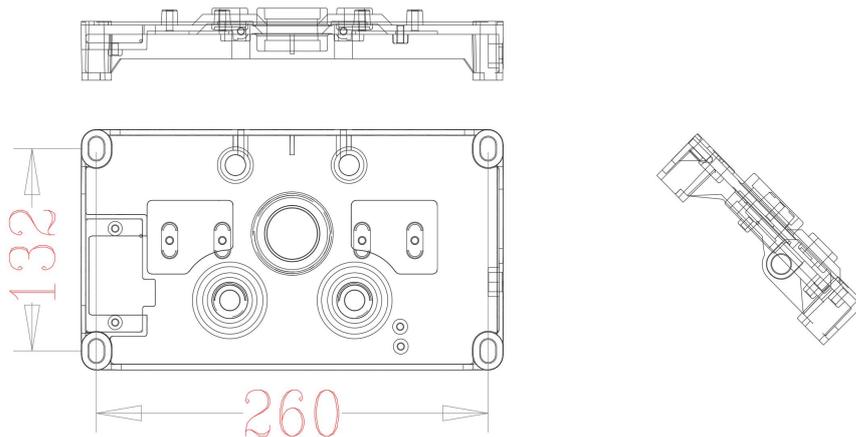|	
Model	**CSETSM08**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Electromagnet+Hydraulic rod deceleration
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	25~35 people/minute
Rotation angle	120 degrees
Unlock Time	0.2s
Gate rod length	500mm/600mm(customized),Channel width:≤550mm
Drive Voltage	DC24V 3.2A Or even larger
Power	20W
Sensor	PNP type normally open proximity switch
Control panel	Semi-automatic circuit board, standard configuration
Indicator light	Red and green flowing lights
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication(Optional)
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
Anti-submarine return device	Anti-reversal device,Prevent the rotating unit from rotating in the opposite direction to the original one.
MTBF	≥2 million times

Optional accessories

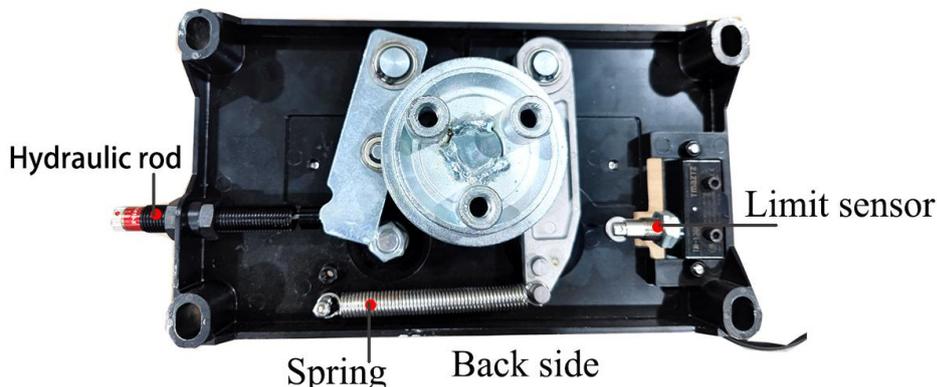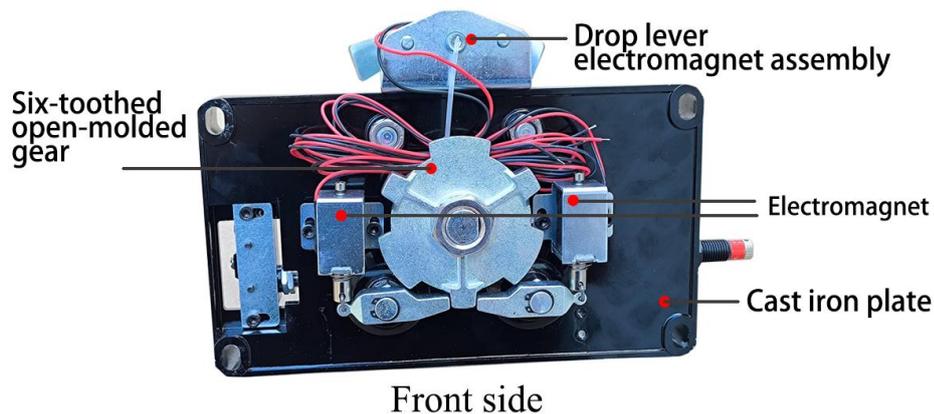|							
304 stainless steel turntable, 50mm in length	DC24V, 3.2A Switching Power Supply	Control board	12V RG signal indicator light	Air switch	Anti-static nylon box	Exit button	Access control panel

Functions & Features

1.Six-tooth opening mold gears, strictly preventing tailgating or sneaking back;

2. Standard equipped with hydraulic silent semi-automatic mechanism, with hydraulic rods for buffering, smooth operation, low noise, and long service life of the gate machine.

3.It Has The Function Of Power-Off,and them arm will Drop, After power on, the device will automatically restore the Arm and self-check;It Can Also Add Remote Control For Drop arm Controlling;

4. It could come with LED indicators, valid cards showgreen, illegal cards showred;

5. Usingaccess control Card, you could Set The card "With Memory" Or "Without Memory"Function;

6. With Automatic Reset Function, That Is, After Obtaining The Permission To Pass The Gate, The Gate Will Automatically Return To The Locked State If the pedestrian didn't Passed Within The Set Time;

7. Compatible With IC/ID Card,Scanning And Face Recognition And Other Identification Methods

8. It Has A Unified Standard Interface With External Electrical Appliances, Which Is Convenient For Integrating other's System

9. It Can Be Extended To Realize The Functions Of Access Control, Attendance, Charging And So On.

Size(Unit: mm)

Some details of the mechanism

Front side

Back side

Semiautomatic Tripod Turnstile Gate Mechanism

.Cheap price

Technical Parameter

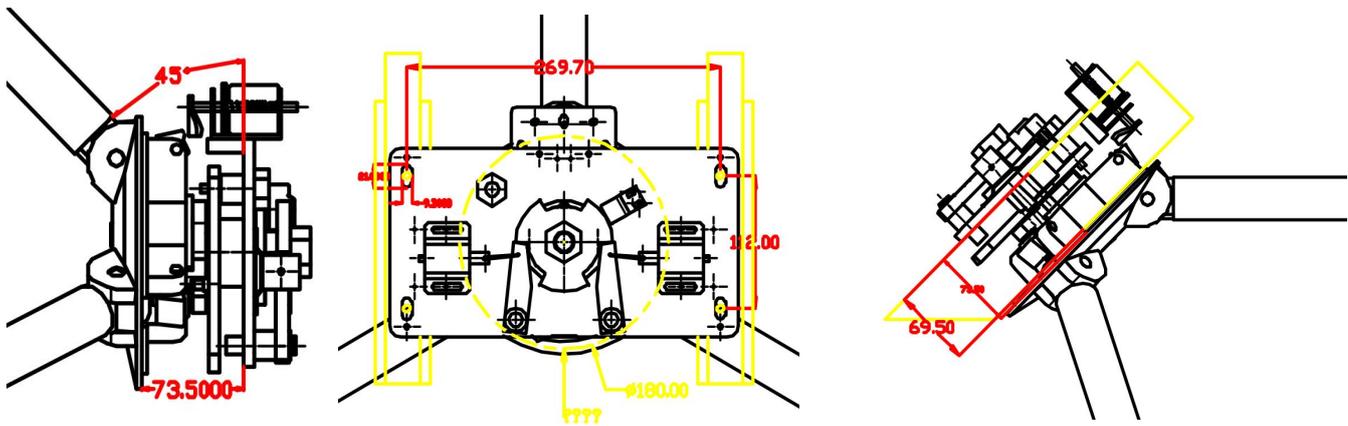|	
Model	**CSETSM07**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Electromagnet
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	25~35 people/minute
Rotation angle	120 degrees
Unlock Time	0.2s
Gate rod length	500mm/600mm(customized),Channel width:≤550mm
Drive Voltage	DC24V 3.2A Or even larger
Power	20W
Sensor	PNP type normally open proximity switch
Control panel	Semi-automatic circuit board, standard configuration
Indicator light	Red and green flowing lights
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication(Optional)
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
MTBF	≥2 million times

Optional accessories

304 stainless steel turntable, 50mm in length	DC24V, 3.2A Switching Power Supply	Control board	12V RG signal indicator light	Air switch	Anti-static nylon box	Exit button	Access control panel

Functions & Features

1.The Design Is Reasonable And Reliable, The Noise Is Low, And The Operation Is Stable;

2.Long Service Life, Up To 5 Million Times;

3.It Has The Function Of Power-Off,and them arm will Drop, After power on, the device will automatically restore the Arm and self-check;It Can Also Add Remote Control For Drop arm Controlling;

4. It could come with LED indicators, valid cards showgreen, illegal cards showred;

5. Usingaccess control Card, you could Set The card "With Memory" Or "Without Memory"Function;

6. With Automatic Reset Function, That Is, After Obtaining The Permission To Pass The Gate, The Gate Will Automatically Return To The Locked State If the pedestrian didn't Passed Within The Set Time;

7. Compatible With IC/ID Card,Scanning And Face Recognition And Other Identification Methods

8. It Has A Unified Standard Interface With External Electrical Appliances, Which Is Convenient For Integrating other's System

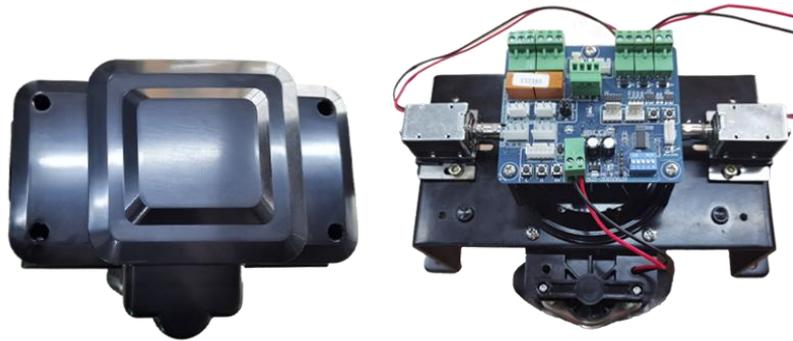9. It Can Be Extended To Realize The Functions Of Access Control, Attendance, Charging And So On.

Size(Unit: mm)

Some details of the mechanism

DC24V 3.2A power switch

turnstie mechanism

control board inside

air switch

red/green light board

stainless steel rod

aluminum plate

Semiautomatic Tripod Turnstile Gate Mechanism

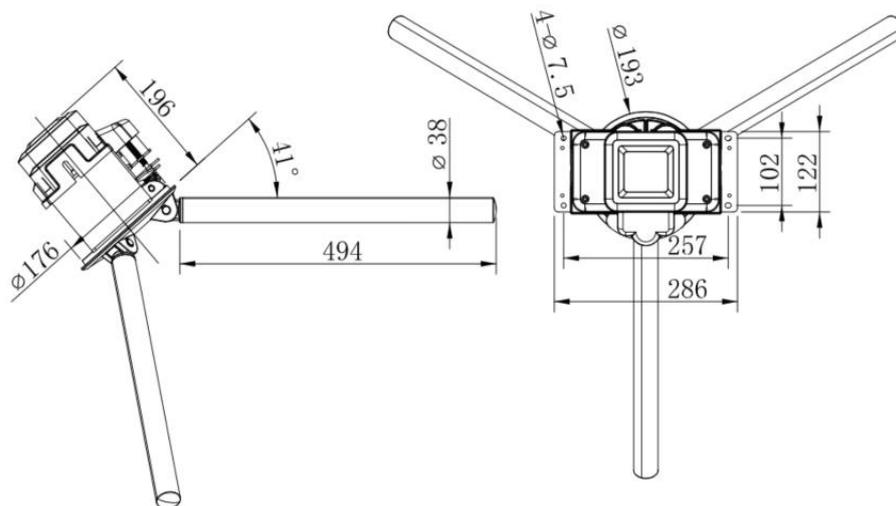| Technical Parameter	
Model	**CSETSM05**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Electromagnet
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	25~35 people/minute
Unlock Time	0.2s
Rotation angle	120 degrees
Gate rod length	490mm,Channel width:≤550mm
Drive Voltage	DC24V 3.2A Or even larger
Power	50W
Sensor	PNP type normally open proximity switch
Control panel	The designated semi-automatic circuit board
Indicator light	Red and green flowing lights
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication(Optional)
Voice Output	supportexternal 10W 42 horn
Support access control	Output interface: counter output, relay signal output of Com, NO, NC, with low level signal of 200ms; Compatible with various input interfaces.
MTBF	≥2 million times

Optional accessories						
Wire-wound type 304 stainless steel turntable, 50mm in length	DC24V, 3.2A Switching Power Supply	Control board (Built-in)	12V RG signal indicator light	Air switch	Exit button	Access control panel

Functions & Features

1. A compact electro-mechanical design with an exquisite rotating plate and a self-lock mechanism
2. Passable for bi-direction
3. Self-locking within 5 seconds if there is no one passing after signal activation
4. Arm auto dropping when power off and manually put the arm up when power on
5. Person counter output is available to indicating passenger quantity; the pulse is 200MS
6. Unauthorized opposite directional passing is prohibited
7. Fire alarm emergency signal output: if with arm auto drop function, the arm will drop automatically after signal activation; if not, the arm rotating plate can operate freely and
there is alarm after signal activation
8. Input interfaces available for left access(L), right access(R), emergency(EM), GND; EM is in priority; NO electrical replay output with pulse between 200MS~500MS; EM signal should maintain connected when any emergency happens.
9. Output interfaces: left and right counter output are both with COMNO/NC relay output, which is able to distinguish flow of both direction. This signal can be connected to systems, indicating passengers'passing or not passing state.
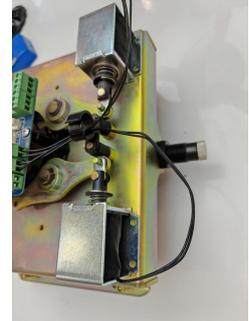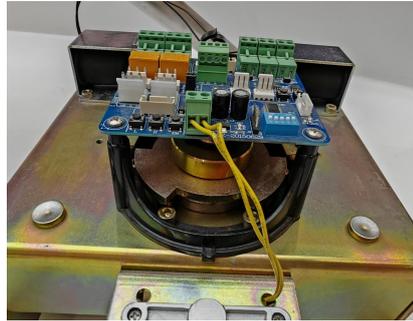10. Emergency Alarm interfaces available for alarm equipments under 12W or DC12V

Size(Unit: mm)

Some details of the mechanism

Semiautomatic Tripod Turnstile Gate Mechanism

Technical Parameter

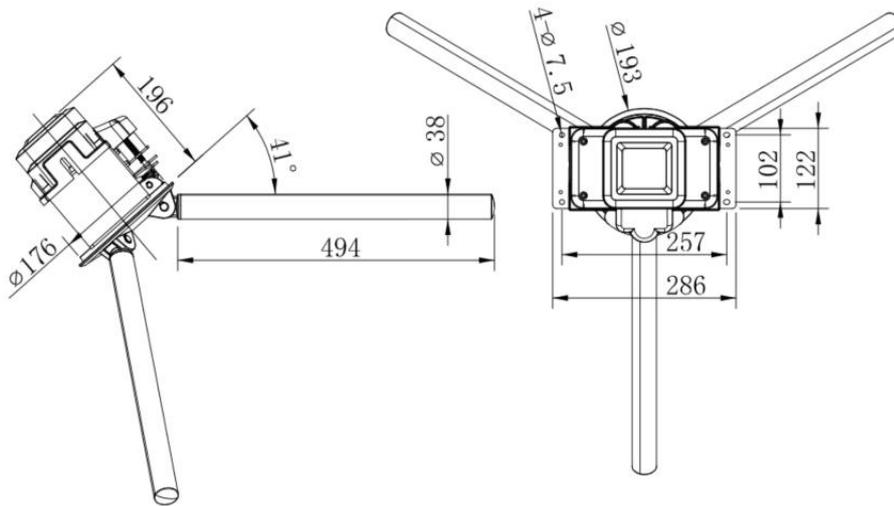|	
Model	**CSETSM01**
Applicable types	Tripod turnstile gate, vertical type, bridge type
Certification	CE
Drive mode	Electromagnet
Main Material	Body: 6061 Aluminum Alloy Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	25~35 people/minute
Unlock Time	0.2s
Rotation angle	120 degrees
Gate rod length	490mm,Channel width:≤550mm
Drive Voltage	DC24V 3.2A Or even larger
Power	50W
Sensor	PNP type normally open proximity switch
Control panel	Standard circuit board
Indicator light	Red and green flowing lights
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication(Optional)
Voice Output	supportexternal 10W 42 horn
Support access control	Output interface: counter output, relay signal output of Com, NO, NC, with low level signal of 200ms; Compatible with various input interfaces.
MTBF	≥2 million times

Optional accessories

Wire-wound type 304 stainless steel turntable, 50mm in length	DC24V, 3.2A Switching Power Supply	Control board (Built-in)	12V RG signal indicator light	Air switch	Exit button	Access control panel

Functions & Features

1. A compact electro-mechanical design with an exquisite rotating plate and a self-lock mechanism
2. Passable for bi-direction
3. Self-locking within 5 seconds if there is no one passing after signal activation
4. Arm auto dropping when power off and manually put the arm up when power on
5. Person counter output is available to indicating passenger quantity; the pulse is 200MS
6. Unauthorized opposite directional passing is prohibited
7. Fire alarm emergency signal output: if with arm auto drop function, the arm will drop automatically after signal activation; if not, the arm rotating plate can operate freely and
there is alarm after signal activation
8. Input interfaces available for left access(L), right access(R), emergency(EM), GND; EM is in priority; NO electrical replay output with pulse between 200MS~500MS; EM signal should maintain connected when any emergency happens.
9. Output interfaces: left and right counter output are both with COMNO/NC relay output, which is able to distinguish flow of both direction. This signal can be connected to systems, indicating passengers'passing or not passing state.
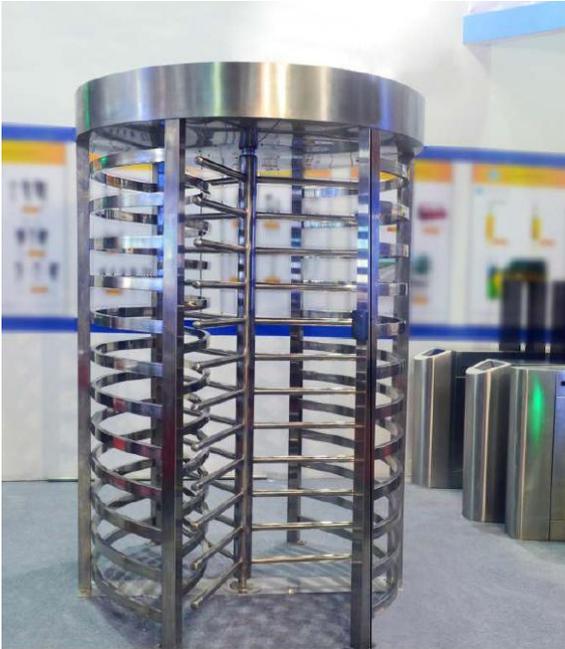10. Emergency Alarm interfaces available for alarm equipments under 12W or DC12V

Size(Unit: mm)

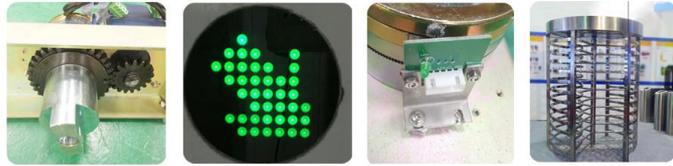## Some details of the mechanism

Full Height turnstile mechanism

CSCX

CSFHT120

CSFHT011

CSFHT110

CSBX

Smart Full automatic Full Height turnstile mechanism

.40W/DC24V Full-Auto
.MTBF:>8Millions times
.Durable&Stable&Intelligent
.Bigger Tooth Cluth, anti-collision
.Silence&no abrasive wear

Technical Parameter

Model	CSFHTM01
Applicable types	Full-height turnstile / Half-height turnstile / Waist-turning gate, single /double
Certification	CE
Drive mode	Brushless DC motor
Main Material	Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	40~60 people/minute
Rotate the angle	One rotation of 90 degrees / 120 degrees (optional)
Pass Width	600mm/650mm
Drive Voltage	1pc DC24V 6.5A
Power	40W
Sensor	PNP type normally open proximity switch
Control panel	Brushless DC version, Integrated motherboard
Indicator light	Electronic limit switch
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
MTBF	≥8 million times

Optional accessories

Face recognition	Fingerprint recognition	IC / ID card swiping	Password keypad	Exit button	Access control panel

Full-Auto

Brushless DC motor + control board, different from the semi-automatic style of electromagnet,board supports Customizable programs.

Bigger Tooth Cluth, anti-collision

Anti-hit against function when the turnstile touch the passing people, it will stop and after several seconds, it will turn again.

Self resetting function

The system will cancel the people passing right when reading the card but not passing, the time can be setted. After power on, the gate will self check again; After a power off; The gate rod will drop, allowing passage.

Two-way traffic

Prohibiting illegal passing, the turnstile without the card, the locking time can be setted, and unlocked by the card. Counting the passing people number automatically, and with LED display.

RS485 Communication

Standard electric interface and is available to be integrated with various read/write facilities to facilitate the system integration. It is able to realize far end control and management with the help of administrative computer.

Size(Unit: mm)

Some sample cases

Smart Full automatic Full Height turnstile mechanism

.40W/DC24V Servo motor
.MTBF:>8Millions times
.Durable&Stable&Intelligent
.Bigger Tooth Cluth, anti-collision
.Silence&no abrasive wear

Technical Parameter

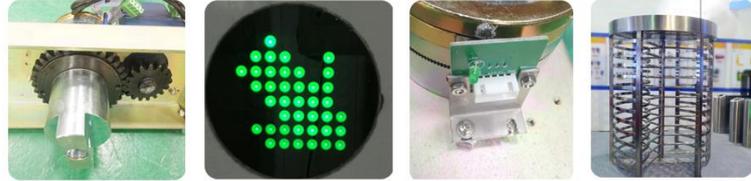|	
Model	**CSFHTM01-Servo**
Applicable types	Full-height turnstile / Half-height turnstile / Waist-turning gate, single /double
Certification	CE
Drive mode	Brushless DC motor+1024 encoder
Main Material	Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	40~60 people/minute
Rotate the angle	One rotation of 90 degrees / 120 degrees (optional)
Pass Width	600mm/650mm
Drive Voltage	1pc DC24V 6.5A
Power	40W
Sensor	PNP type normally open proximity switch
Control panel	Servo DC version, Integrated motherboard
Indicator light	Electronic limit switch
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
MTBF	≥8 million times

Optional accessories

Face recognition	Fingerprint recognition	IC / ID card swiping	Password keypad	Exit button	Access control panel

Functions & Features

Servo control system

The Servo control system adopts fully imported chips, uses FOC vector control technology, matches 1024 lines of high-precision anti-interference encoder for precise control, and realizes current-speed-position ,three-loop control. Also With board temperature control, voltage detection and other functions, Real-time fault self-check and alarm prompt, to ensure that the system is fully operational, easy to maintain and use.

Anti-hit against function when the turnstile touch the passing people, it will stop and after several seconds, it will turn again.

Self resetting function

The system will cancel the people passing right when reading the card but not passing, the time can be setted. After power on, the gate will self check again; After a power off; The gate rod will drop, allowing passage.

Two-way traffic

Prohibiting illegal passing, the turnstile without the card, the locking time can be setted, and unlocked by the card. Counting the passing people number automatically, and with LED display.

RS485 Communication

Standard electric interface and is available to be integrated with various read/write facilities to facilitate the system integration. It is able to realize far end control and management with the help of administrative computer.

Size(Unit: mm)

Some sample cases

Smart Full automatic Full Height turnstile mechanism

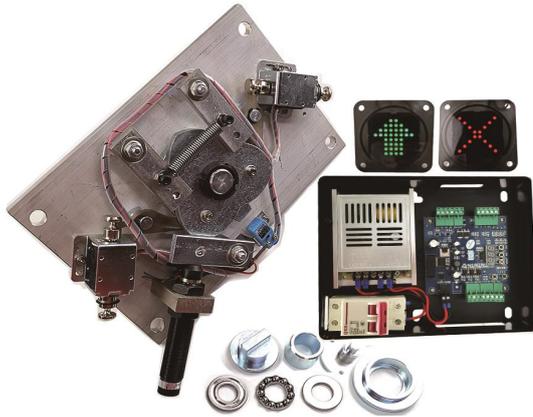| Technical Parameter	
Model	**CSFHTM01**
Applicable types	Full-height turnstile / Half-height turnstile / Waist-turning gate, single /double
Certification	CE
Drive mode	Brushless DC motor
Main Material	Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	40~60 people/minute
Rotate the angle	One rotation of 90 degrees / 120 degrees (optional)
Pass Width	600mm/650mm
Drive Voltage	1pc DC24V 3.2A
Power	30W
Sensor	PNP type normally open proximity switch
Control panel	Brushless DC version, Integrated motherboard
Indicator light	Electronic limit switch
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
Anti-submarine return device	Anti-reversal device,Prevent the rotating unit from rotating in the opposite direction to the original one.
MTBF	≥5million times

Optional accessories					
Face recognition	Fingerprint recognition	IC / ID card swiping	Password keypad	Exit button	Access control panel

Functions & Features

Full-Auto

Brushless DC motor + control board, different from the semi-automatic style of electromagnet,board supports Customizable programs.

Bigger Tooth Cluth, anti-collision

Anti-hit against function when the turnstile touch the passing people, it will stop and after several seconds, it will turn again.

Self resetting function

The system will cancel the people passing right when reading the card but not passing, the time can be setted. After power on, the gate will self check again; After a power off; The gate rod will drop, allowing passage.

Two-way traffic

Prohibiting illegal passing, the turnstile without the card, the locking time can be setted, and unlocked by the card. Counting the passing people number automatically, and with LED display.

RS485 Communication

Standard electric interface and is available to be integrated with various read/write facilities to facilitate the system integration. It is able to realize far end control and management with the help of administrative computer.

Size(Unit: mm)

Some sample cases

Smart Semi-automatic Full Height turnstile mechanism

.Semi-automatic design
.Affordable price
.With anti-tail-chasing and anti-reversal-back functions

Technical Parameter	
Model	**CSFHTM01**
Applicable types	Full-height turnstile / Half-height turnstile / Waist-turning gate, single /double
Certification	CE
Drive mode	Electromagnet+Hydraulic rod deceleration
Main Material	Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	40~60 people/minute
Rotate the angle	One rotation of 90 degrees / 120 degrees (optional)
Pass Width	600mm/650mm
Drive Voltage	1pc DC24V 6.5A
Power	20W
Sensor	PNP type normally open proximity switch
Control panel	Brushless DC version, standard configuration
Indicator light	Electronic limit switch
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
Anti-submarine return device	Anti-reversal device,Prevent the rotating unit from rotating in the opposite direction to the original one.
MTBF	≥3 million times

Optional accessories

Face recognition	Fingerprint recognition	IC / ID card swiping	Password keypad	Exit button	Access control panel

Functions & Features

This Automatic intelligent full height turnstile is designed to provide unsupervised access control for office or building. The impenetrable construction eliminates any unauthorized access to restricted areas. To gain authorized passage through the the user must present a valid card for the access control system. Upon presentation of the valid card. It will unlock and allow the user to pass through the direction requested. The turnstile can also work with push button, finger print and face recognition access control system.
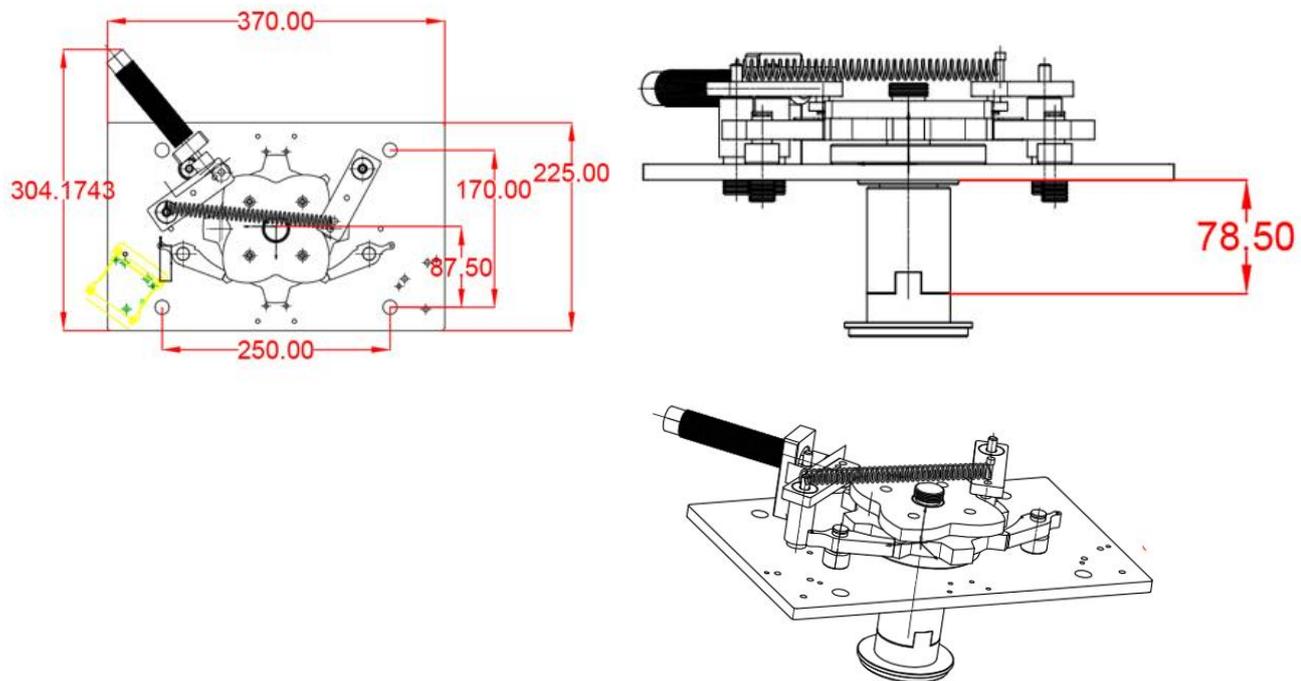
OPERATING MODES
• Single passage in the set direction
• Bi-directional single passage
• Free passage in the set direction
• Always free or locked
> Die-casting aluminum alloy / Always on power square solenoid
> Good quality and low price/ Durable
Turnstile control board
> LED directional indicator Connect fire alarm signal
> Dry contact signal Memory function
>13 kinds gate mode of entry and exit
> Counting function
> With sound and light alarm function
> Support secondary development

Size(Unit: mm)

Some sample cases

Smart Semi-automatic Full Height turnstile mechanism

.Semi-automatic design
.Affordable price
.Hydraulic rod deceleration

Technical Parameter

Model	**CSFHTM05**
Applicable types	Full-height turnstile / Half-height turnstile / Waist-turning gate, single /double
Certification	CE
Drive mode	Electromagnet+Hydraulic rod deceleration
Main Material	Mechanism Shaft: Electroplated 45# Steel Turntable: ADC12 Aluminum Alloy, Surface blasting
Traffic Speed	40~60 people/minute
Rotate the angle	One rotation of 90 degrees / 120 degrees (optional)
Pass Width	600mm/650mm
Drive Voltage	1pc DC24V 6.5A
Power	30W
Sensor	PNP type normally open proximity switch
Control panel	Brushless DC version, standard configuration
Indicator light	Electronic limit switch
Temperature	-35℃-+75℃
Input interface	Dry contact signal/RS485 serial communication
Voice Output	supportexternal 10W 42 horn
Support access control	ID/IC card, face recognition, fingerprint machine, password keyboard,RS485 host computer control, etc
Anti-submarine return device	Anti-reversal device,Prevent the rotating unit from rotating in the opposite direction to the original one.
MTBF	≥8 million times

Optional accessories

| Face recognition | Fingerprint recognition | IC / ID card swiping | Password keypad | Exit button | Access control panel |

Functions & Features

This Automatic intelligent full height turnstile is designed to provide unsupervised access control for office or building. The impenetrable construction eliminates any unauthorized access to restricted areas. To gain authorized passage through the the user must present a valid card for the access control system. Upon presentation of the valid card. It will unlock and allow the user to pass through the direction requested. The turnstile can also work with push button, finger print and face recognition access control system.
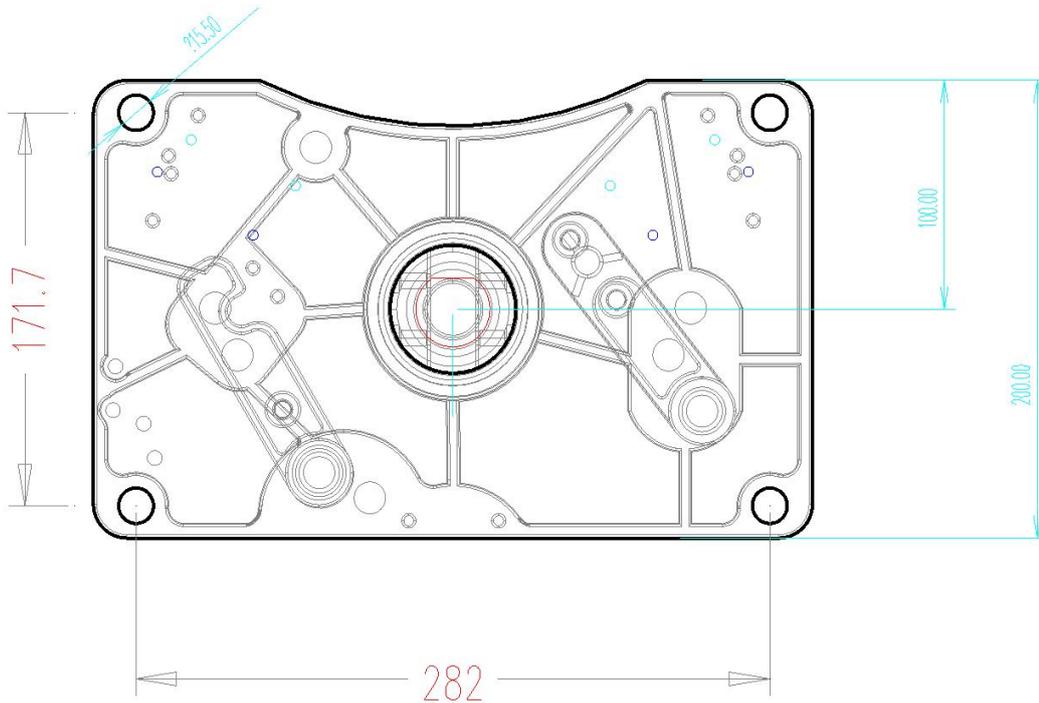
OPERATING MODES
• Single passage in the set direction
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• Free passage in the set direction
• Always free or locked
> Die-casting aluminum alloy / Always on power square solenoid
> Good quality and low price/ Durable
Turnstile control board
> LED directional indicator Connect fire alarm signal
> Dry contact signal Memory function
>13 kinds gate mode of entry and exit
> Counting function
> With sound and light alarm function
> Support secondary development

Size(Unit: mm)

Some sample cases