

Aktüel®

TURNSTILE



Your Gate to
Protection

Aktuel Turnstile founded in 2005 and our company has started with the security sector service structure.

Then, the developing and continuing security sector “pedestrian and vehicle” transition control systems; aims to become a company that aims to provide services and respond to the domestic market and export potential of our country by using advanced technology and engineering services.

With 3000 m2 indoor facilities, it continues its production. Especially in Europe, after that, Middle East and in the other countries continue to increase its export potential.

The product range includes “pedestrian and vehicle” access control systems covering the following areas.

- Waist Height Turnstile
- Half Height Turnstile
- Full Height Turnstile
- VIP - Disabled Entry Turnstile
- Speed Gates
- Emergency Exit / Pedestrian evacuation gates.
- Arm Barriers

Electronic security systems will make human life easier, more secure and peaceful; AKTUEL aims to provide a quality product portfolio in transition control security sector with the aim of integrating innovative solutions.

WAIST HEIGHT TURNSTILES



- > AKT-28-D / AKT-28-A / AKT-40 ————— **6-9**
- > AKT-25 / AKT-29 / AKT-30 ————— **10-12**
- > AKT-25-G / AKT-25-R ————— **14-16**
- > AKT-50-A / AKT-50-D ————— **18-20**
- > AKT-60-A / AKT-60-D ————— **22-24**
- > AKT-80-HYGIENE / AKT-85-HYGIENE / AKT-100 ————— **26-28**
- > AKT-210 / AKT-281 ————— **30-31**

SWIN GATE TURNSTILES



- > SWG - 10 / SWG - 11 ————— **36-37**
- > SWG - PADDLE / SWG - PADDLE MODULAR ————— **38-39**
- > SWG -15 / SWG - 28 / SWG - 30 / SWG - 170 ————— **42-43**

HALF HEIGHT TURNSTILES



- > AKT - 1250 ————— **46-47**

FULL HEIGHT TURNSTILES



- > AKT - 100 - S / AKT - 400 - S SERIES ————— **48-51**
- > AKT - 300 - S SERIES ————— **52-53**
- > AKT - 200 - D SERIES ————— **56-57**

GLASS HEIGHT TURNSTILES



- > AKT - 500 - S SERIES ————— **58-61**
- > AKT - 600 - D SERIES ————— **59-61**

SPEED GATE TURNSTILES



- > HG-100-S / HG-100-C / HG-100-H / HG-100-D ————— **64-66**
- > HG-145-S / HG-145-C / HG-145-H / HG-145-D ————— **68-69**
- > HG-200-S / HG-200-C ————— **70-71**
- > HG-300-S / HG-300-C / HG-300-H / HG-300-D ————— **72-73**
- > HG-400-S / HG-400-C / HG-400-H / HG-400-D ————— **74-76**
- > HG-180-S / HG-180-C / HG-180-H / HG-180-D ————— **78-83**

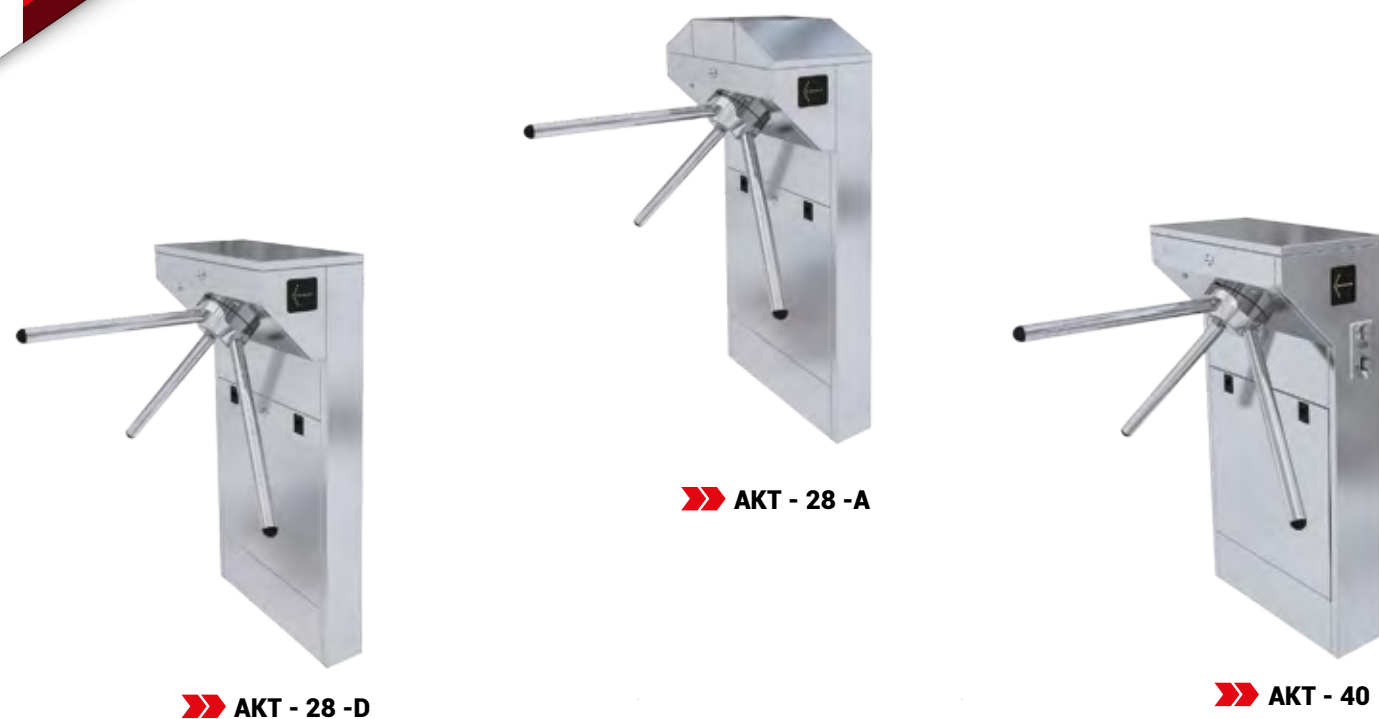
ARM BARRIERS



- > AKT - REX 4000 / AKT - REX 6000 ————— **86-89**
- > SPECIAL DESIGN PROTECTION ————— **90-91**



5



Main Body

Material	AISI- 304 - Stainless Steel - Scotch Brite (Op. AISI-316 Quality)	304
Tripod Arms	Q32 mm dia - Stainless Steel - Arms can be dismantled or mounted one by one separately	
Rotor Systems	With rotating control; tripod arms are positioned at 120 degrees	
Tripod Hub	Cast aluminium with polished finished	
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism	
Standard Passageway Width	480 mm (Arm Lenght : 430 mm)	

Electrical Parameters

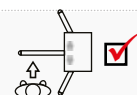
Operating Voltage / Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 30 W	
Nominal / Max Current	250 Ma / 850 Ma	
Mean Cycles Between Failure (MCBF)	1M Cycles	24V DC

Function Working

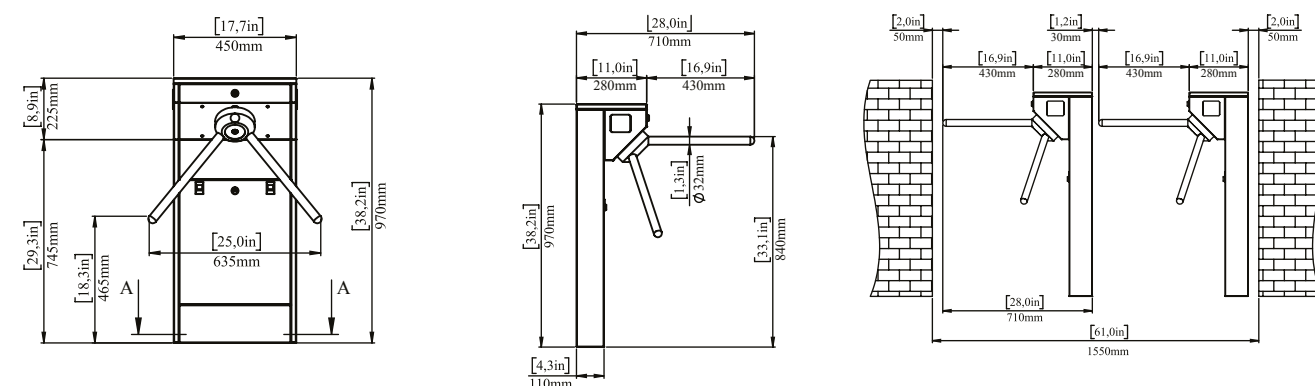
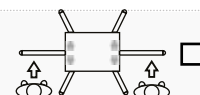
Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs	
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays	
Passage Direction	Bi-Directional operation feature. Entrance-Exit	
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)	
Flow Rate	30 Passage / Minutes / Normally Standard	
Emergency Mode	System allows free passage in emergency mode and in case of power failure	
Indicators Features	Entrance - Green Arrow / Exit - Red Cross	
Communication	RS 232 (Need PC Systems hardware serial port)	
Operating Temperature / Humidity	-20° C / + 50° C / 0 / +45° C (RH 95% not-condensing)	
IP Rating	IP 54	

Number of Passage Lanes

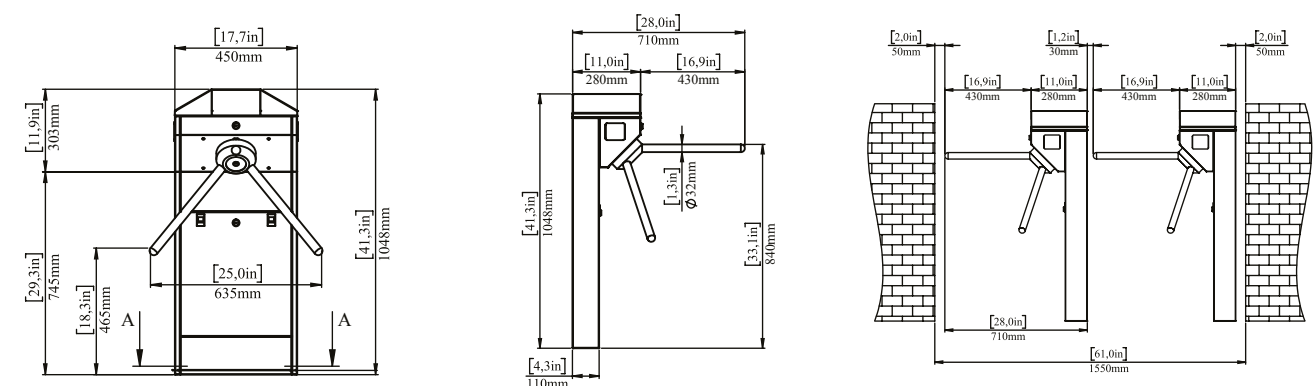
Single Unit



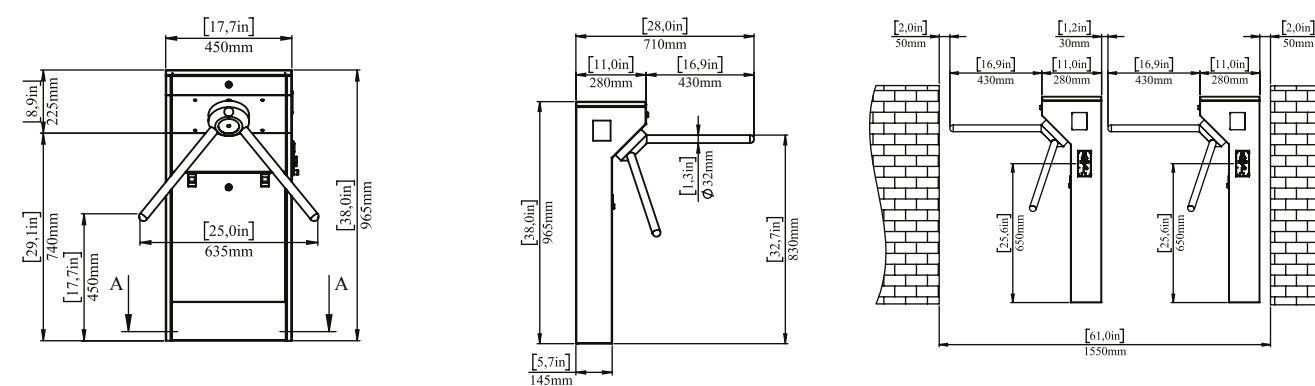
Double Unit



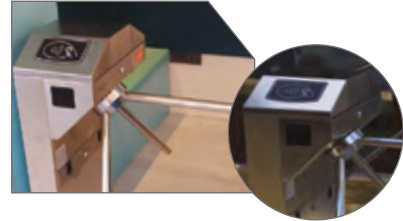
AKT-28-A



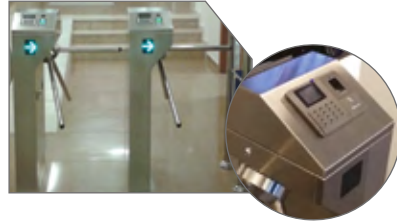
AKT-40



Access Control Device Adaptation Applications



Card Reader Adaptation Solutions



Fingerprint Reader Adaptation Solutions



Barcode Reader Adaptation Solutions

Installation Platform



- ▶ Ease of modular installation with anti-skid bottom platform.
- ▶ Ease of installation in difficult ground conditions.
- ▶ Front and rear ramp system for easy access.

Passage Tracking Sensors



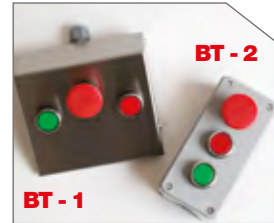
- ▶ Sensors can be deployed on the turnstile in accordance with required functions such as real-time passage signal or unauthorized passage alarm.
- ▶ 2 Sensors for one passage is available for bi-directional operation.

Protection Case



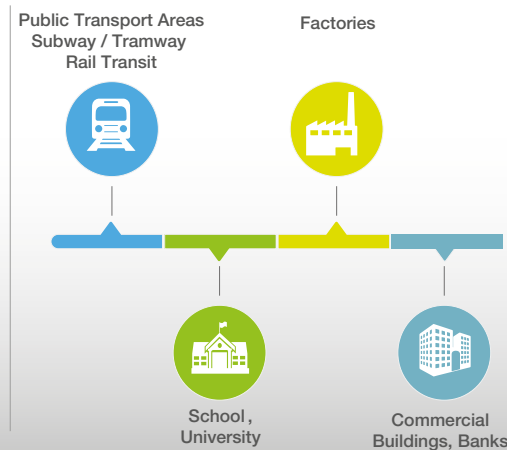
- ▶ For the outdoor conditions, a special protective cover can be produced in a transparent structure that is suitable for the size of the turnstile.

Button Control Unit - Independent

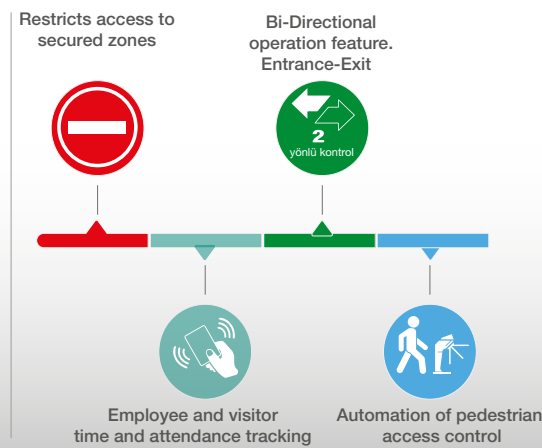


- ▶ Provides remote control of "Entry - Exit - Emergency" modes of security personnel and consultation areas.
- ▶ BT-1 and BT-2 type options.

Usage Areas



Benefits





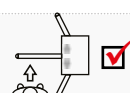
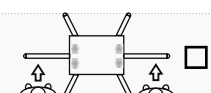
Main Body

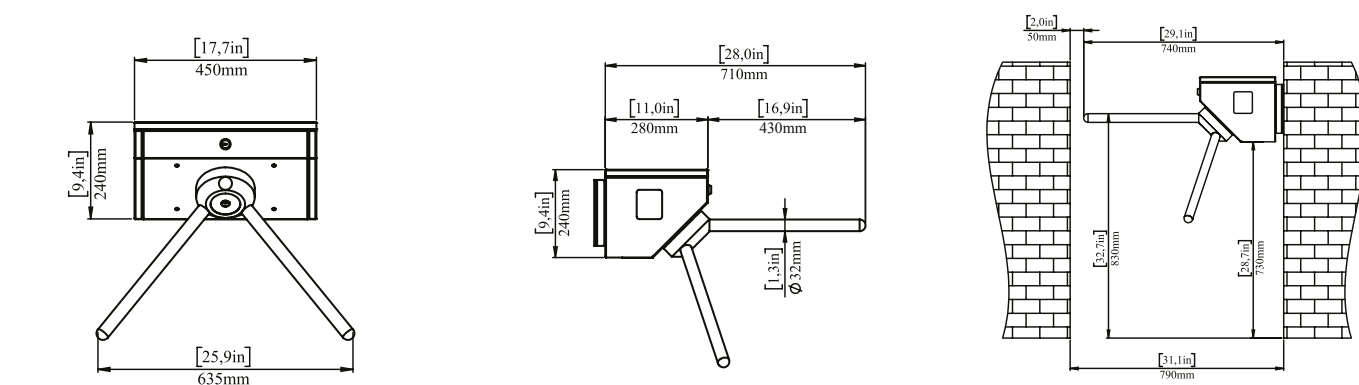
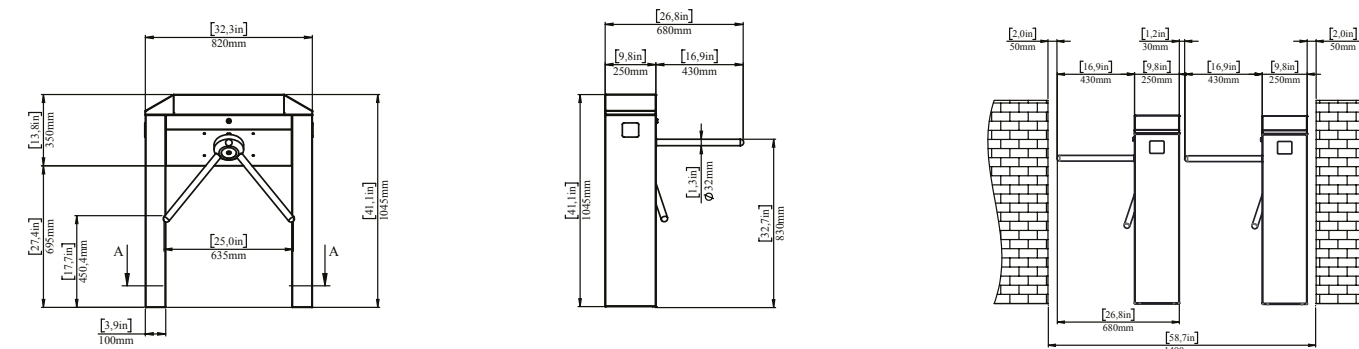
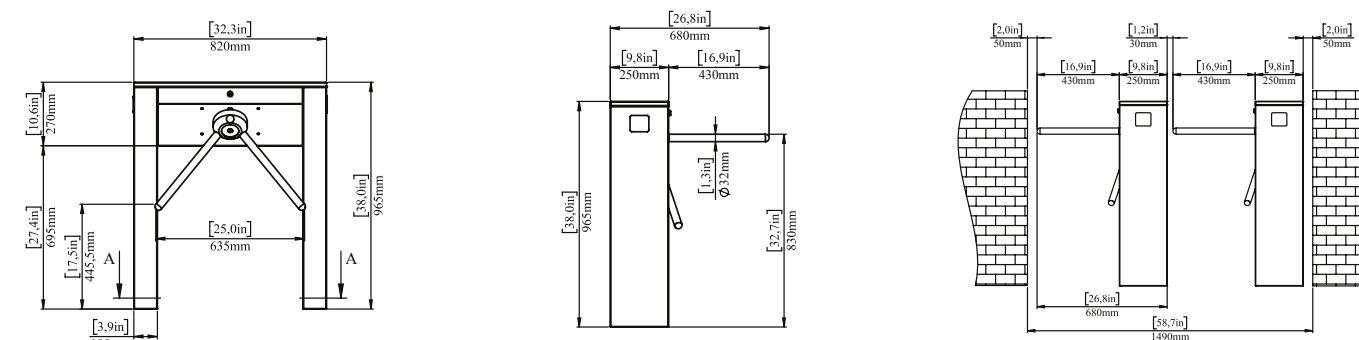
Material	AISI- 304 - Stainless Steel - Scotch Brite (Op. AISI-316 Quality)	304
Tripod Arms	Q32 mm dia - Stainless Steel - Arms can be dismantled or mounted one by one separately	
Rotor Systems	With rotating control; tripod arms are positioned at 120 degrees	
Tripod Hub	Cast aluminium with polished finished	
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism	
Standard Passageway Width	480 mm (Arm Lenght : 430 mm)	

Electrical Parameters

Operating Voltage / Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 30 W	
Nominal / Max Current	250 Ma / 850 Ma	
Mean Cycles Between Failure (MCBF)	1M Cycles	24V DC

Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs	
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays	
Passage Direction	Bi-Directional operation feature. Entrance-Exit	
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)	
Flow Rate	30 Passage / Minutes / Normally Standard	
Emergency Mode	System allows free passage in emergency mode and in case of power failure	
Indicators Features	Entrance - Green Arrow / Exit - Red Cross	
Communication	RS 232 (Need PC Systems hardware serial port)	
Operating Temperature / Humidity	-20° C / + 50° C / 0 / +45° C (RH 95% not-condensing)	
IP Rating	IP 54	
Number of Passage Lanes	Single Unit  ☒ Double Unit  ☐	



Access Control Device Adaptation Applications



▶ Card Reader Adaptation Solutions



▶ Fingerprint Reader Adaptation Solutions



▶ Barcode Reader Adaptation Solutions

Installation Platform



- ▶ Ease of modular installation with anti-skid bottom platform.
- ▶ Ease of installation in difficult ground conditions.

Protection Case



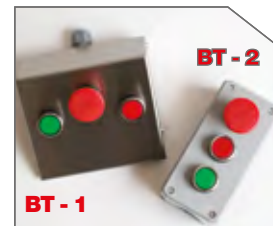
- ▶ For the outdoor conditions, a special protective cover can be produced in a transparent structure that is suitable for the size of the turnstile.

Passage Tracking Sensors

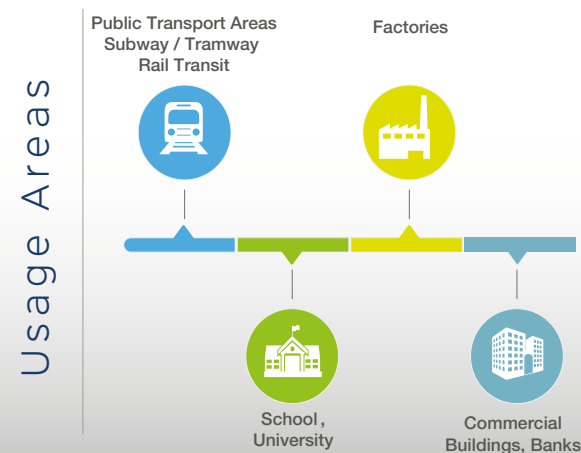


- ▶ Sensors can be deployed on the turnstile in accordance with required functions such as real-time passage signal or unauthorized passage alarm.
- ▶ 2 Sensors for one passage is available for bi-directional operation.

Button Control Unit - Independent



- ▶ Provides remote control of "Entry - Exit - Emergency" modes of security personnel and consultation areas.
- ▶ BT-1 and BT-2 type options.





AKT - 25 -G



AKT - 25 -R

Main Body

Material	AISI- 304 - Stainless Steel - Scotch Brite (Op. AISI-316 Quality)	304
Tripod Arms	Q32 mm dia - Stainless Steel - Arms can be dismantled or mounted one by one separately	
Rotor Systems	With rotating control; tripod arms are positioned at 120 degrees	
Tripod Hub	Cast aluminium with polished finished	
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism	
Standard Passageway Width	480 mm (Arm Lenght : 430 mm)	

Electrical Parameters

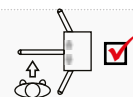
Operating Voltage / Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 30 W	
Nominal / Max Current	250 Ma / 850 Ma	
Mean Cycles Between Failure (MCBF)	1M Cycles	24V DC

Function Working

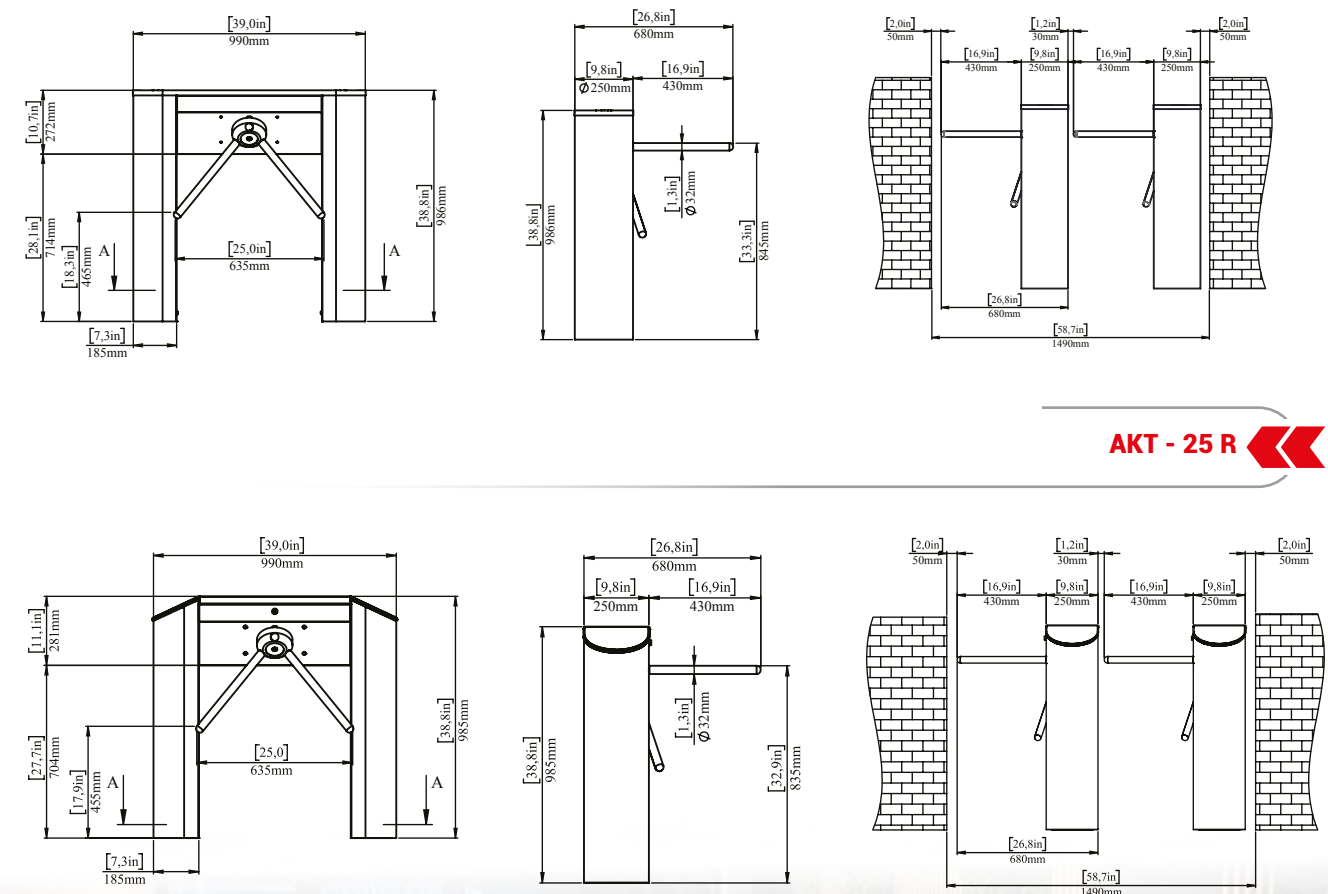
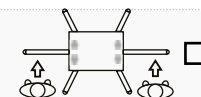
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Passage Direction	Bi-Directional operation feature. Entrance-Exit	
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)	
Flow Rate	30 Passage / Minutes / Normally Standard	
Emergency Mode	System allows free passage in emergency mode and in case of power failure	
Indicators Features	Passage Free - Green / Passage Closed - Red / Standby - Blue	
Communication	RS 232 (Need PC Systems hardware serial port)	
Operating Temperature / Humidity	-20° C / + 50° C / 0 / +45° C (RH 95% not-condensing)	
IP Rating	IP 54	

Number of Passage Lanes

Single Unit



Double Unit



AKT - 25 G

AKT - 25 R



Access Control Device Adaptation Applications



Card Reader Adaptation Solutions



Fingerprint Reader Adaptation Solutions



Barcode Reader Adaptation Solutions

Installation Platform



- ▶ Ease of modular installation with anti-skid bottom platform.
- ▶ Ease of installation in difficult ground conditions.
- ▶ Front and rear ramp system for easy access.

Protection Case



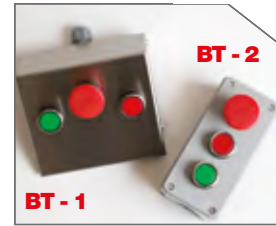
- ▶ For the outdoor conditions, a special protective cover can be produced in a transparent structure that is suitable for the size of the turnstile.

Passage Tracking Sensors

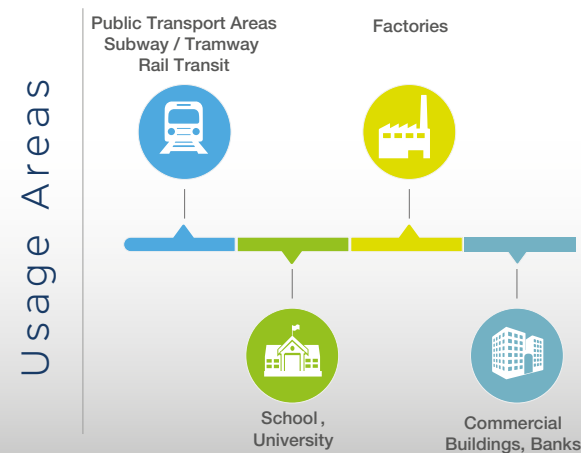


- ▶ Sensors can be deployed on the turnstile in accordance with required functions such as real-time passage signal or unauthorized passage alarm.
- ▶ 2 Sensors for one passage is available for bi-directional operation.

Button Control Unit - Independent



- ▶ Provides remote control of "Entry - Exit - Emergency" modes of security personnel and consultation areas.
- ▶ BT-1 and BT-2 type options.





AKT - 50 - A



AKT - 50 - D

Main Body

Material	AISI- 304 - Stainless Steel - Scotch Brite (Op. AISI-316 Quality)
Tripod Arms	Q32 mm dia - Stainless Steel - Arms can be dismantled or mounted one by one separately
Rotor Systems	With rotating control; tripod arms are positioned at 120 degrees
Tripod Hub	Cast aluminium with polished finished
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism
Standard Passageway Width	480 mm (Arm Lenght : 430 mm)

304



Electrical Parameters

Operating Voltage / Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 30 W
Nominal / Max Current	250 Ma / 850 Ma
Mean Cycles Between Failure (MCBF)	1M Cycles



24V DC

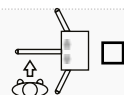
Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays
Passage Direction	Bi-Directional operation feature. Entrance-Exit
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)
Flow Rate	30 Passage / Minutes / Normally Standard
Emergency Mode	System allows free passage in emergency mode and in case of power failure
Indicators Features	Entrance - Green Arrow / Exit - Red Cross
Communication	RS 232 (Need PC Systems hardware serial port)
Operating Temperature / Humidity	-20° C / + 50° C / 0 / +45° C (RH 95% not-condensing)
IP Rating	IP 54

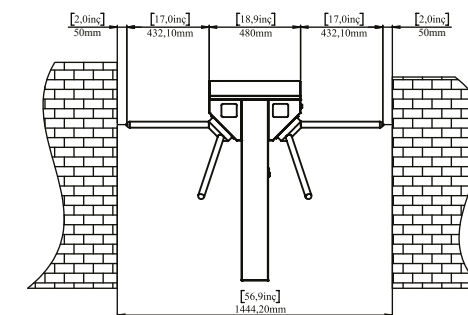
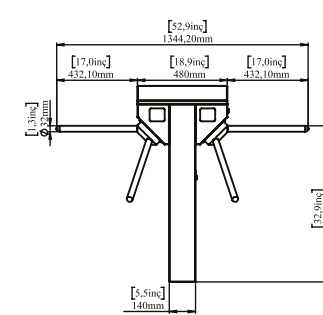
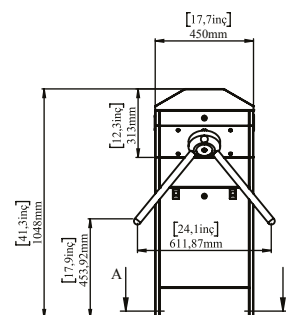
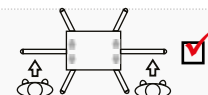


Number of Passage Lanes

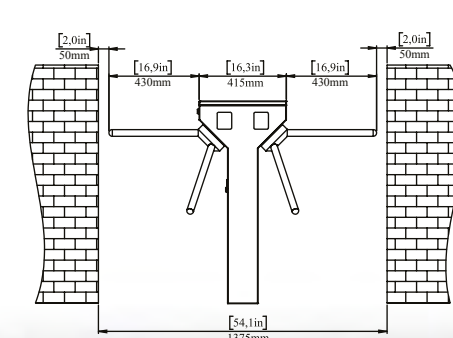
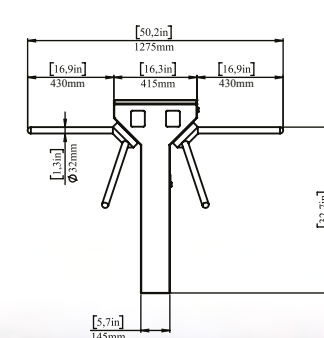
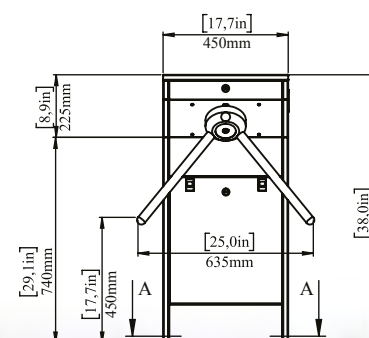
Single Unit



Double Unit



AKT - 50 A



AKT - 50 D



Access Control Device Adaptation Applications



Card Reader Adaptation Solutions



Fingerprint Reader Adaptation Solutions



Barcode Reader Adaptation Solutions

Installation Platform



- ▶ Ease of modular installation with anti-skid bottom platform.
- ▶ Front and rear ramp system for easy access.
- ▶ Ease of installation in difficult ground

Passage Tracking Sensors



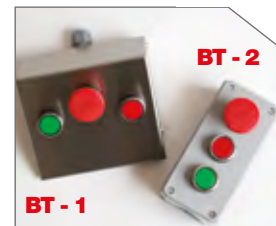
- ▶ Sensors can be deployed on the turnstile in accordance with required functions such as real-time passage signal or unauthorized passage alarm.
- ▶ 2 Sensors for one passage is available for bi-directional operation.

Protection Case

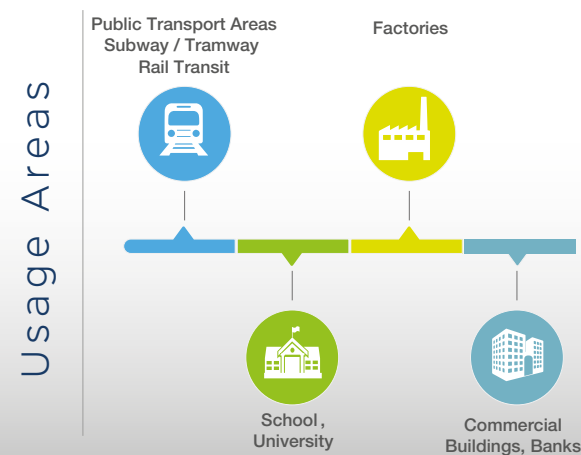


- ▶ For the outdoor conditions, a special protective cover can be produced in a transparent structure that is suitable for the size of the turnstile.

Button Control Unit - Independent



- ▶ Provides remote control of "Entry - Exit - Emergency" modes of security personnel and consultation areas.
- ▶ BT-1 and BT-2 type options.





AKT - 60 -A



AKT - 60 -D

Main Body

Material	AISI- 304 - Stainless Steel - Scotch Brite (Op. AISI-316 Quality)
Tripod Arms	Q32 mm dia - Stainless Steel - Arms can be dismantled or mounted one by one separately
Rotor Systems	With rotating control; tripod arms are positioned at 120 degrees
Tripod Hub	Cast aluminium with polished finished
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism
Standard Passageway Width	480 mm (Arm Lenght : 430 mm)

304

Electrical Parameters

Operating Voltage / Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 30 W
Nominal / Max Current	250 Ma / 850 Ma
Mean Cycles Between Failure (MCBF)	1M Cycles



24V DC

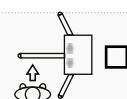
Function Working

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Flow Rate	30 Passage / Minutes / Normally Standard
Emergency Mode	System allows free passage in emergency mode and in case of power failure
Indicators Features	Entrance - Green Arrow / Exit - Red Cross
Communication	RS 232 (Need PC Systems hardware serial port)
Operating Temperature / Humidity	-20° C / + 50° C / 0 / +45° C (RH 95% not-condensing)
IP Rating	IP 54

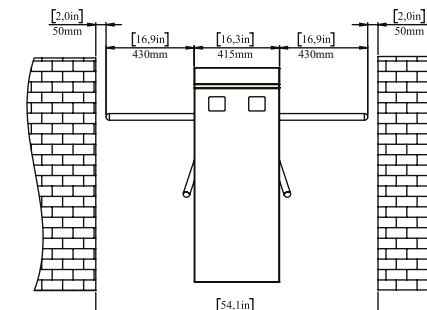
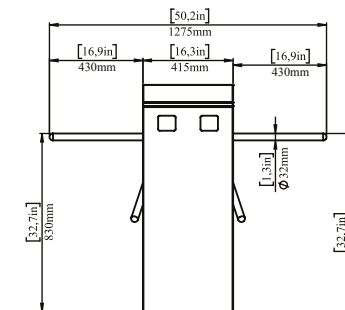
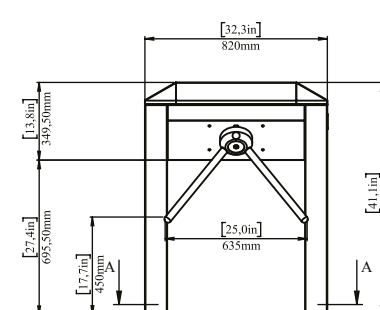
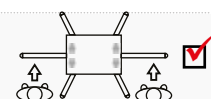


Number of Passage Lanes

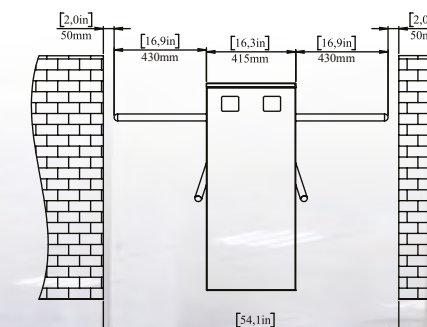
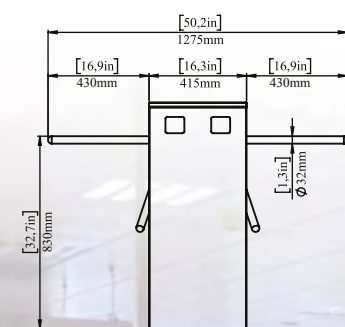
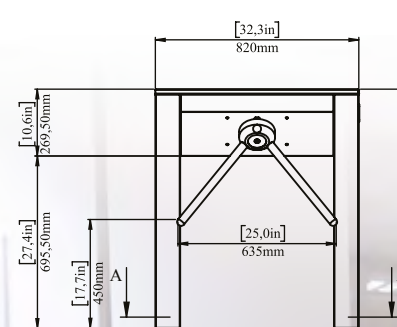
Single Unit



Double Unit



AKT - 60 A



AKT - 60 D



Access Control Device Adaptation Applications



Card Reader Adaptation Solutions



Fingerprint Reader Adaptation Solutions



Barcode Reader Adaptation Solutions

Installation Platform



- ▶ Ease of modular installation with anti-skid bottom platform.
- ▶ Ease of installation in difficult ground conditions.
- ▶ Front and rear ramp system for easy access.

Protection Case



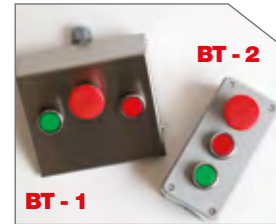
- ▶ For the outdoor conditions, a special protective cover can be produced in a transparent structure that is suitable for the size of the turnstile.

Passage Tracking Sensors

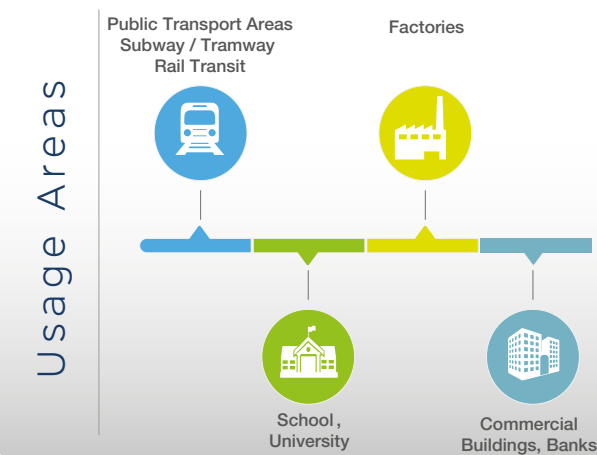


- ▶ Sensors can be deployed on the turnstile in accordance with required functions such as real-time passage signal or unauthorized passage alarm.
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Button Control Unit - Independent



- ▶ Provides remote control of "Entry - Exit - Emergency" modes of security personnel and consultation areas.
- ▶ BT-1 and BT-2 type options.





AKT - 80 HYGIENE



**AKT - 85 HYGIENE
CABIN UNIT
Single Leg**



**AKT - 100 HYGIENE
CABIN UNIT
Wall Type**

Main Body

Material	AISI- 304 - Stainless Steel - Scotch Brite (Op. AISI-316 Quality)
Sheet Thickness	1,2 mm
Standard Dimensions (W x L x H)	
Standard Passageway Width (AKT - 80 - Hygiene)	480 mm (Arm Lenght : 430 mm)

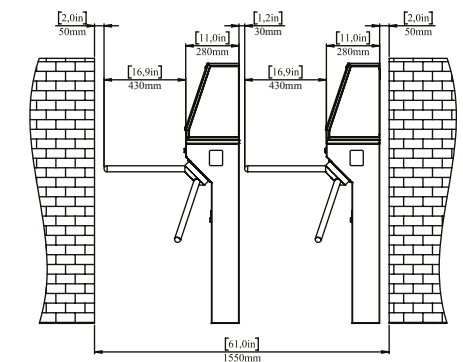
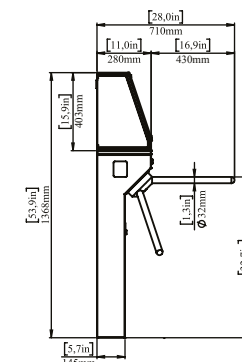
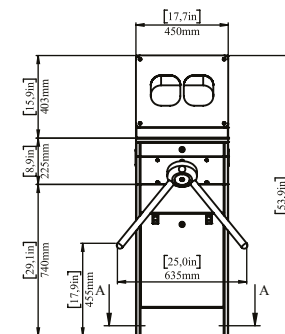
Electrical Parameters

Operating Voltage / Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 30 W
Nominal / Max Current	250 Ma / 850 Ma
Mean Cycles Between Failure (MCBF)	1M Cycles

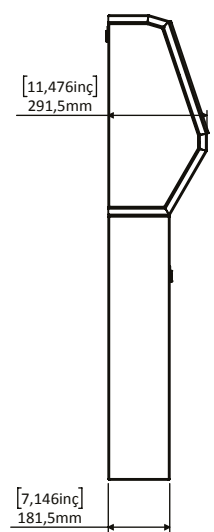
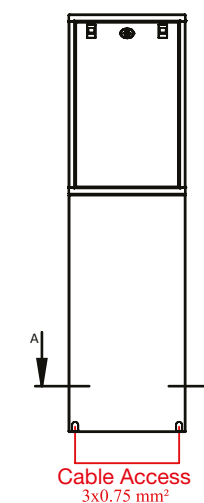
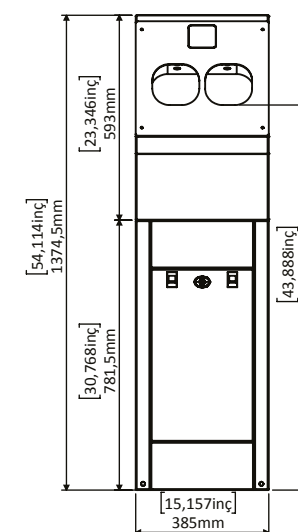
Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs	
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays	
Indicators Features	Entrance - Green / Exit - Red	
Emergency Mode	System allows free passage in emergency mode and in case of power failure	
Operating Temperature	-20° C / + 50° C	
Humidity	0 / +45° C (RH 95% not-condensing)	
IP Rate	IP 54	
Spraying Amount	2 sec (3-5 ml spraying)	
Usage Capacity	5 Liter Jerrycan (Average 1100 passage)	
Disinfectant	Turnstile disinfection systems should be used only in the liquid alcohol-based disinfectant. NOTE: Disinfecting fluid is not included.	
Security Sensor	2 optical sensors	

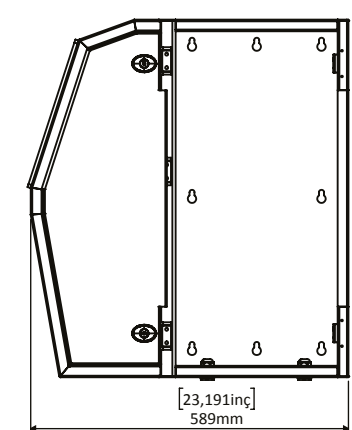
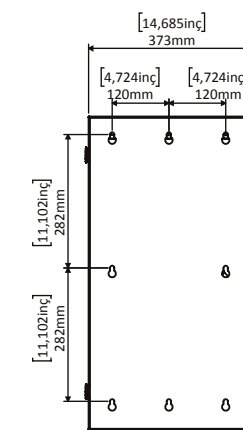
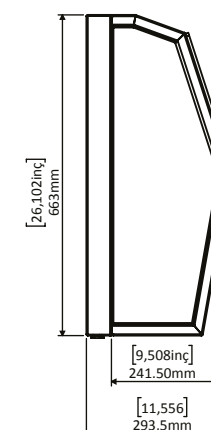
AKT - 80 HYGIENE 



AKT - 85 HYGIENE CABIN UNIT Single Leg 



AKT - 100 HYGIENE CABIN UNIT Wall Type 



Standard Set Accessories

Hygienic Mat



- ▶ It is used to drain excess disinfectant on the foot.

Jerry Can Reservoir



- ▶ Jerry can reservoir is applied to the side or back of the turnstile.

Optional Accessories

Separator



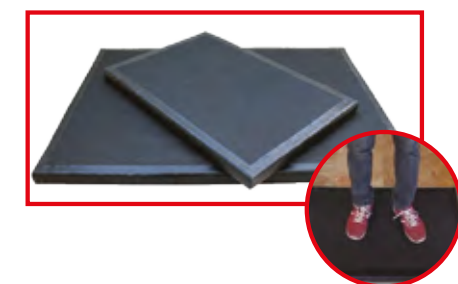
- ▶ The main pillar, intermediate lath pipes and the lower base are made of 304 quality stainless steel.

Floor Mounting Plate



- ▶ Ease of modular installation with anti-skid bottom platform.
- ▶ Ease of installation in difficult ground conditions.
- ▶ Front and rear ramp system for easy access.

AKT -PASS (Antimicrobial Disinfectant Mop)

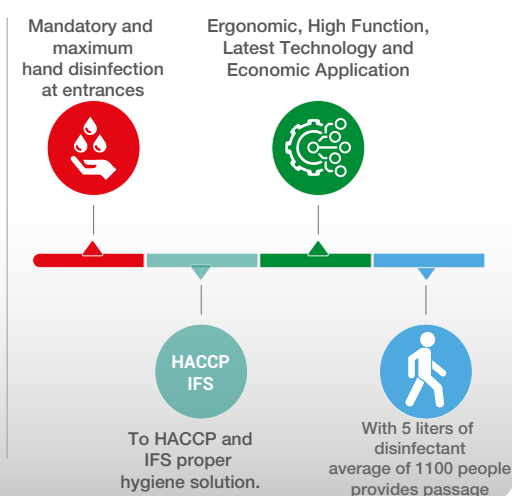


- ▶ Microorganisms carried to foot hygienic environments and used to prevent entry of other impurities.
- ▶ AKT-PASS edges and top are closed. It has a special filter and keeps dirt. Protects the disinfectant used. Durable, economic and quality.

Usage Areas



Benefits





AKT - 210



AKT - 281

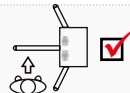
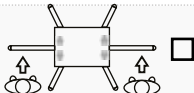
Main Body

Material	AISI- 304 - Stainless Steel - Scotch Brite (Op. AISI-316 Quality)	304
Tripod Arms	Q32 mm dia - Stainless Steel - Arms can be dismantled or mounted one by one separately	
Rotor Systems	With rotating control; tripod arms are positioned at 120 degrees	
Tripod Hub	Cast aluminium with polished finished	
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism	
Standard Passageway Width	480 mm (Arm Lenght : 430 mm)	

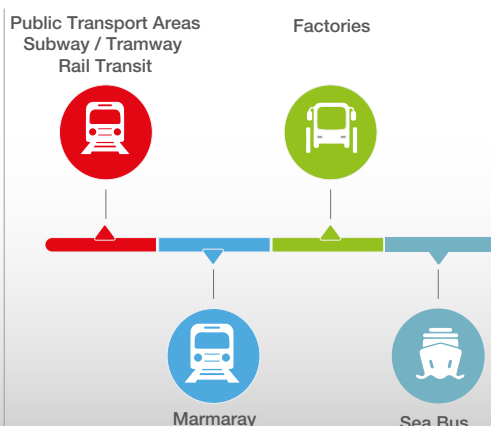
Electrical Parameters

Operating Voltage / Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 30 W	
Nominal / Max Current	250 Ma / 850 Ma	
Mean Cycles Between Failure (MCBF)	1M Cycles	24V DC

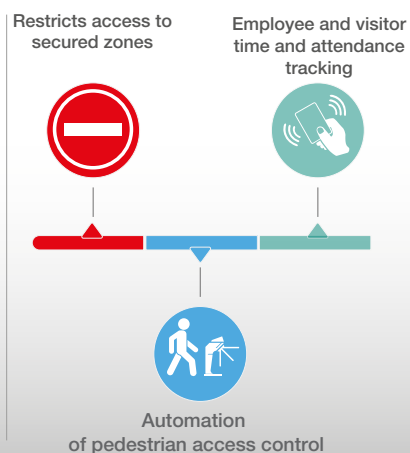
Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs	
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays	
Passage Direction	Bi-Directional operation feature. Entrance-Exit	
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)	
Flow Rate	30 Passage / Minutes / Normally Standard	
Emergency Mode	System allows free passage in emergency mode and in case of power failure	
Indicators Features	Entrance - Green Arrow / Exit - Red Cross	
Communication	RS 232 (Need PC Systems hardware serial port)	
Operating Temperature / Humidity	-20° C / + 50° C / 0 / +45° C (RH 95% not-condensing)	
IP Rating	IP 54	
Number of Passage Lanes	Single Unit  ☒ Double Unit  ☐	

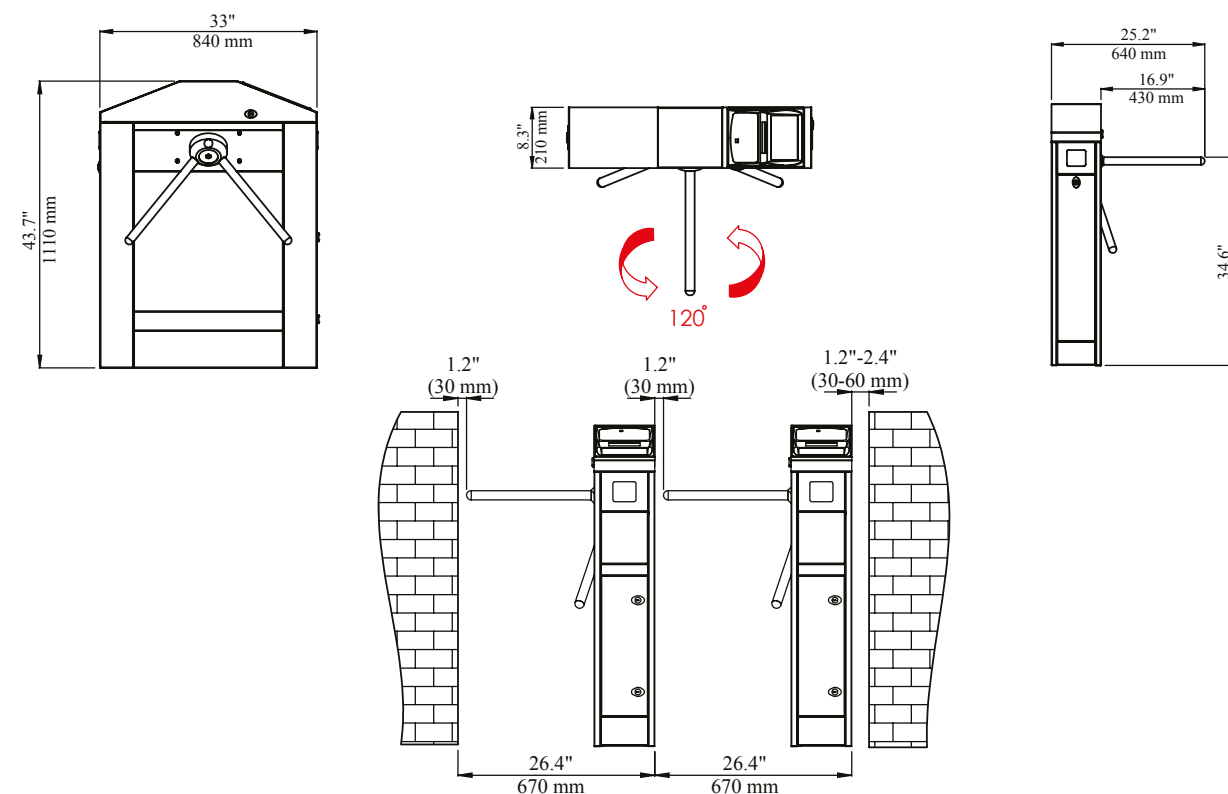
Usage Areas



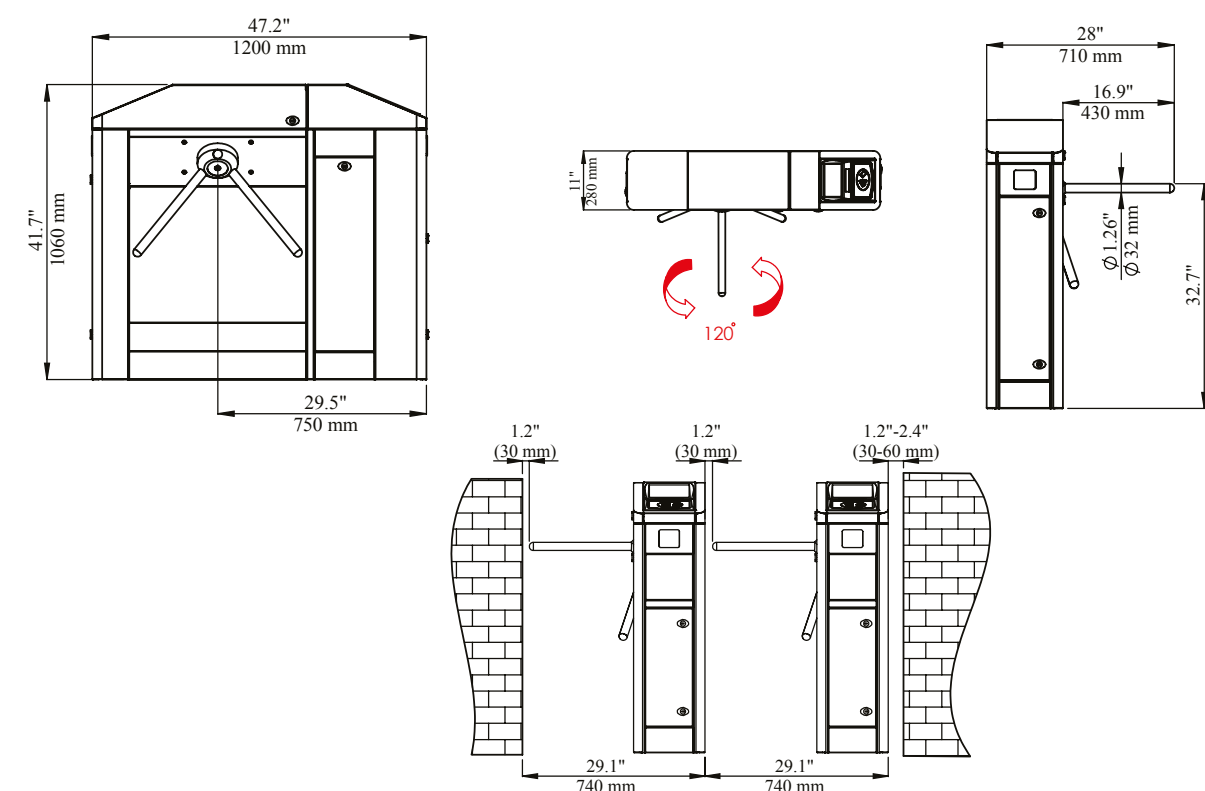
Benefits



AKT - 210



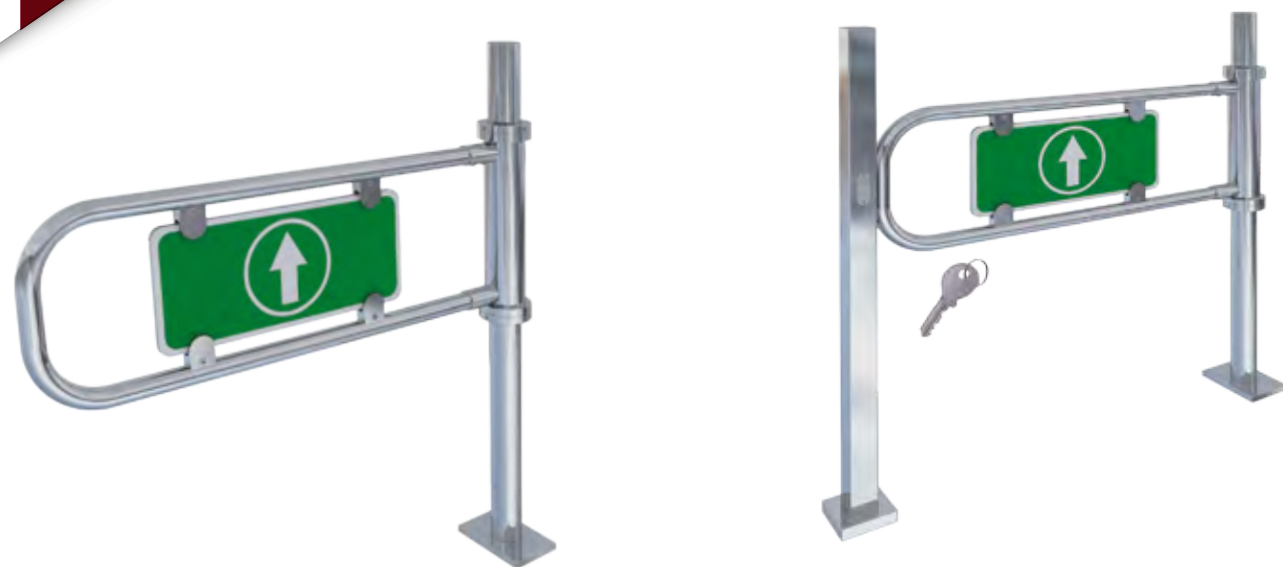
AKT - 281







Swin Gate Turnstiles (Manuel)



SWG 10

- ▶ Turnstile main body is manufactured from 304 grade stainless steel and turnstile arm is manufactured from aluminium.
- ▶ With rotating control; arms are positioned at 90 degrees.
- ▶ Auto close; arm will return to center position automatically
- ▶ Arm lengths can be shortened optionally.
- ▶ Standard Dimensions: 102 x Ø76 x 450
900 (Arm Length)

SWG 11

- ▶ Turnstile main body is manufactured from 304 grade stainless steel and turnstile arm is manufactured from aluminium.
- ▶ A manual controlled door module is formed with mechanical lock on the arm counter.
- ▶ With rotating control; arms are positioned at 90 degrees.
- ▶ Auto close; arm will return to center position automatically
- ▶ Arm lengths can be shortened optionally.
- ▶ Standard Dimensions: 102 x Ø76 x 450
900 (Arm Length)

Optional Available Signals

“Pass”, “Stop”, “Disabled”, “Emergency” signs optionally made to the middle plate within the arm.



“Pass”



“Stop”



“Disabled”



“Emergency”

Usage Areas

Fitness Centers

Wellness Centers



Supermarkets

Shopping Malls

Benefits

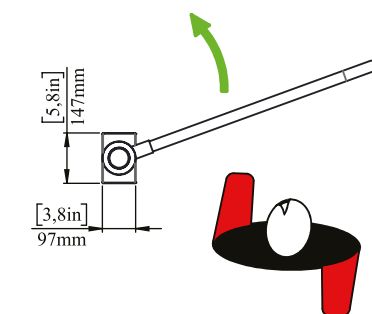
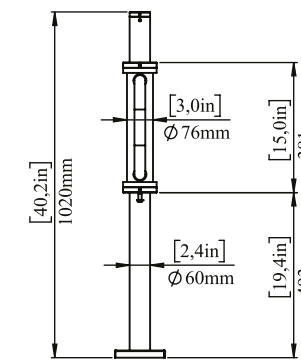
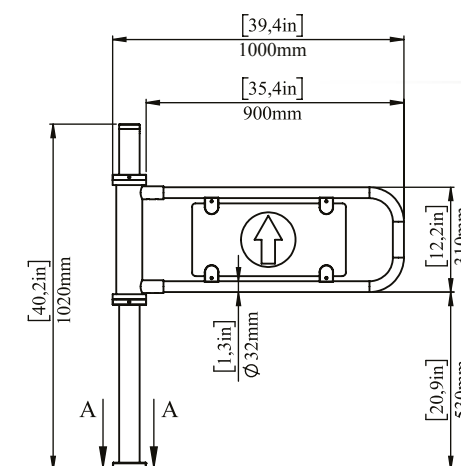
Restricts access to secured zones



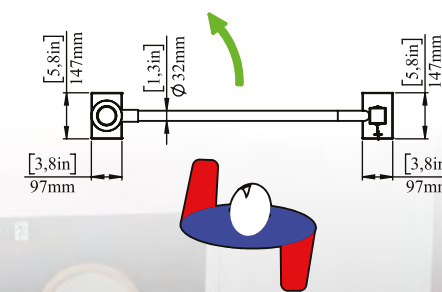
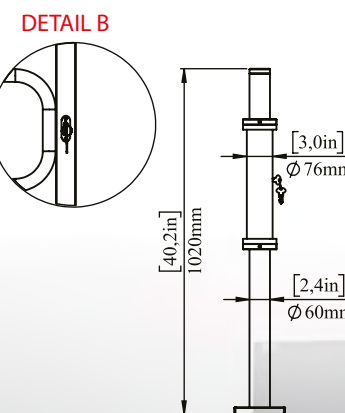
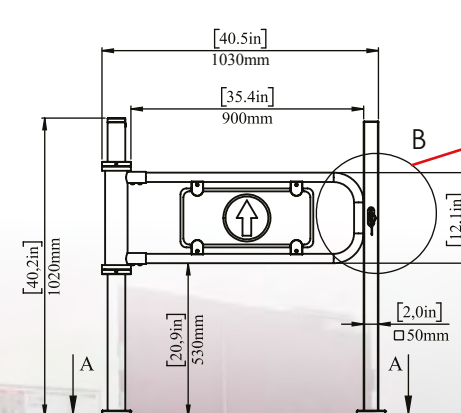
Arm length is usefull for physically handicapped people



Automation of pedestrian access control



SWG - 10



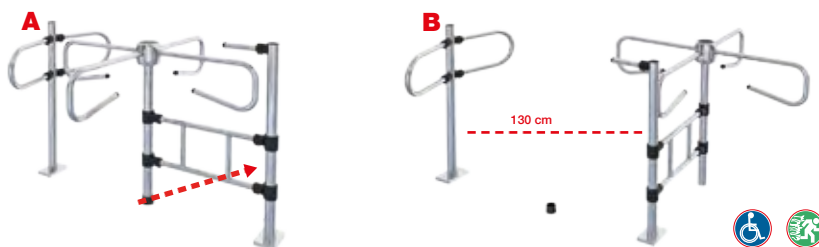
SWG - 11



SWG PADDLE

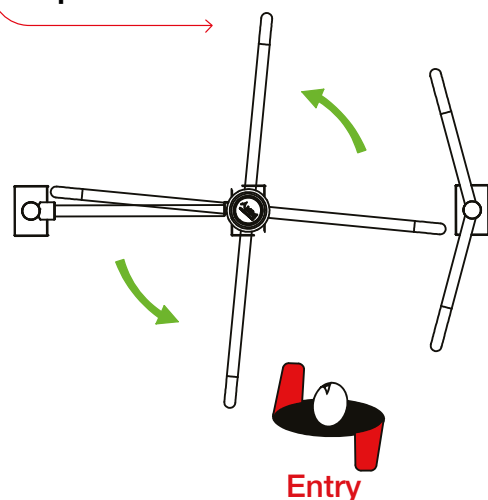


SWG PADDLE (Modular)

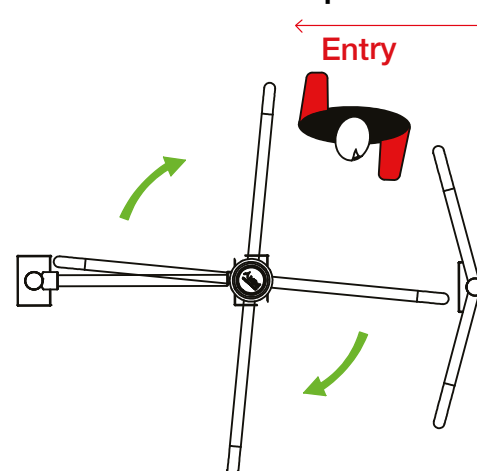


- ▶ Mechanical controlled security turnstile does not need any energy source . It turns with the power of the passing person.
- ▶ Main body and arms manufactured from 304 - stainless steel.
- ▶ All the other parts are coated against corrosion.
- ▶ Thanks to its special design, offers a decorative, aspect as well as a soft, easy and silent access.
- ▶ It can be adjusted according to the entrance way (right - left).

"Option 1"



"Option 2"

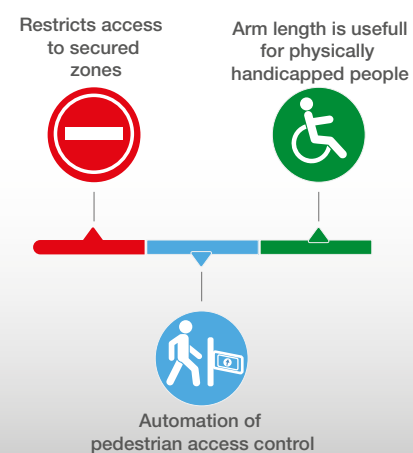


"When ordering, Option 1 and Option 2 status must be provided to the manufacturer."

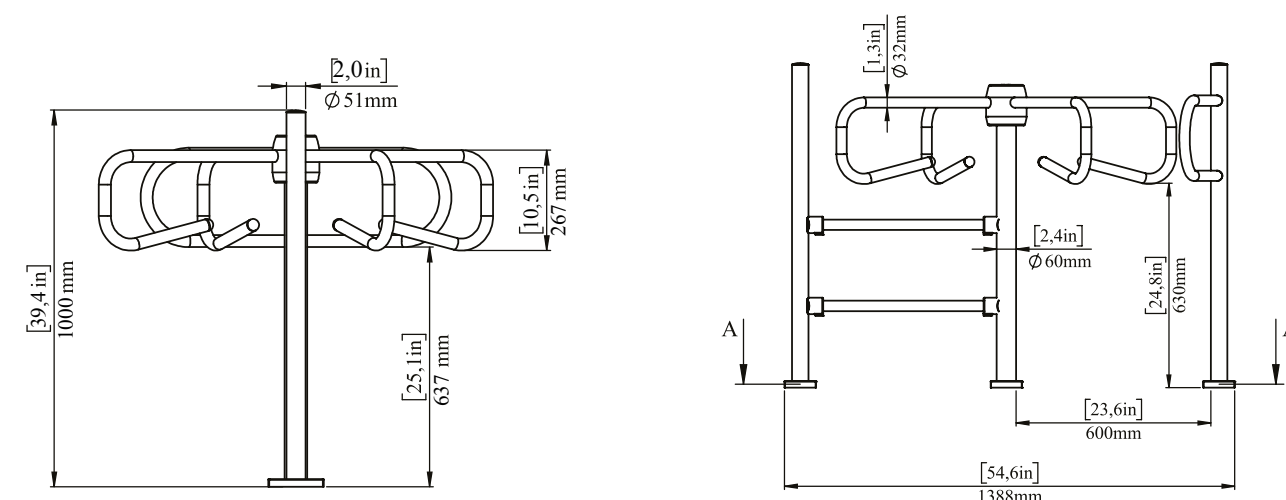
Usage Areas



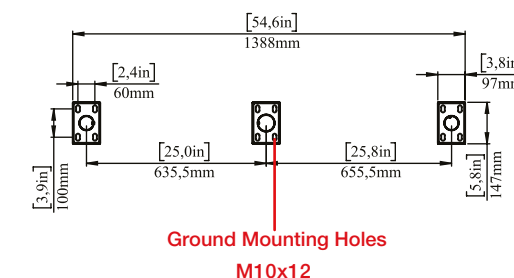
Benefits



SWG - PADDLE

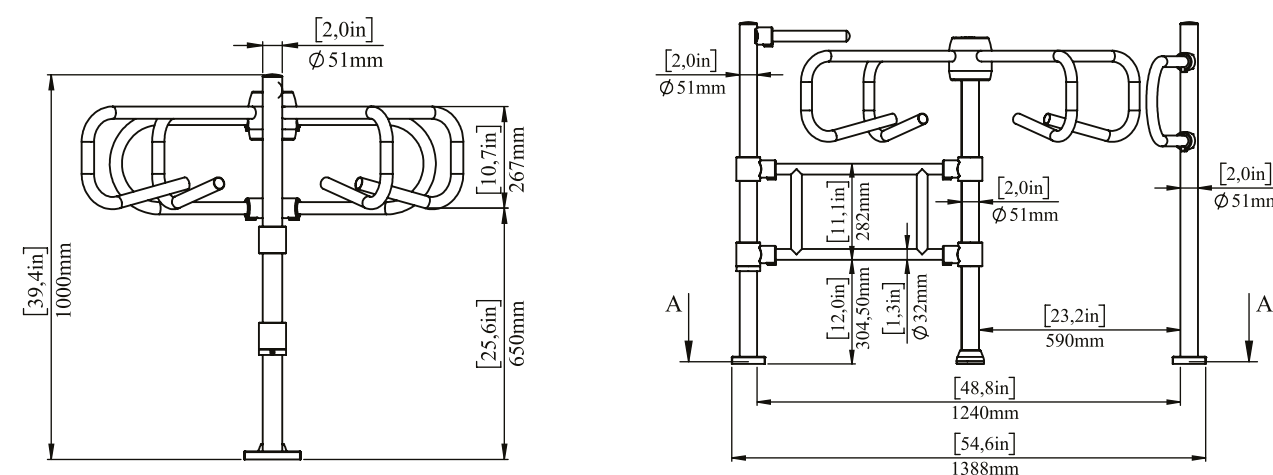


SECTION A-A

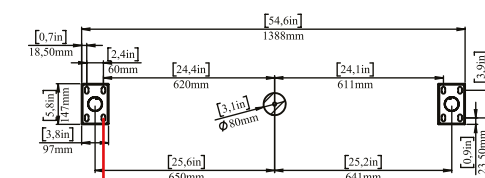


Ground Mounting Holes
M10x12

SWG - PADDLE MODULAR



SECTION A-A



Ground Mounting Holes
M10x9



Swin Gate Turnstiles (Motorized)



Main Body

Material	AISI- 304 - Stainless Steel - Scotch Brite (Op. AISI-316 Quality)
Tripod Arms	Aluminium / 10mm tempered glass (SWG - 30)
Rotor Systems	With rotating control; arms are positioned at 90 degrees
Rotation Control	The main movement mechanism is provided by 24V DC Motor.

Electrical Parameters

Operating Voltage / Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 30 W
Nominal / Max Current	250 Ma / 850 Ma
Mean Cycles Between Failure (MCBF)	1M Cycles

Function Working

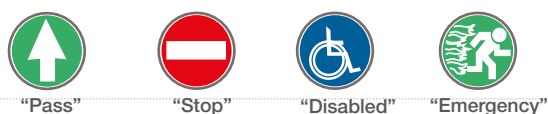
Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs
Speed Control	Motor start and stop control is maintained by PWM microprocessor control system.
Passage Direction	Bi-Directional operation feature. Entrance-Exit
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)
Flow Rate	30 Passage / Minutes / Normally Standard
Emergency Mode	System allows free passage in emergency mode and in case of power failure
Operating Temperature	-20° C / + 50° C
Operating Humidity	0 / + 45° C (RH 95% not-condensing)
IP Rating	IP - 54

Indicators Features Entrance - Green Arrow / Exit - Red Cross

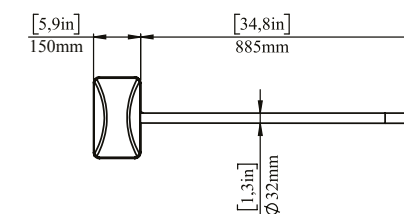
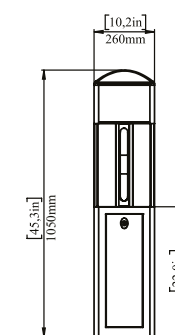
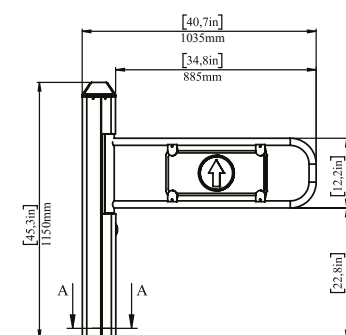
Operation



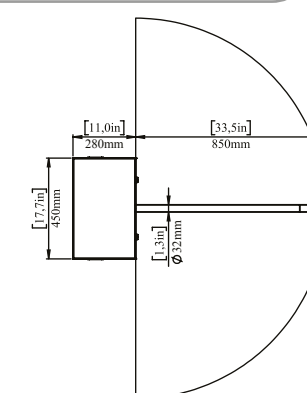
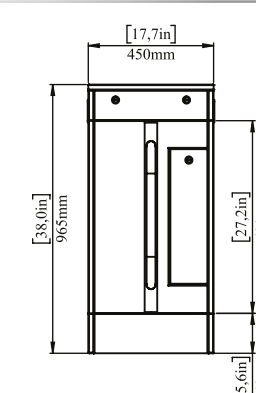
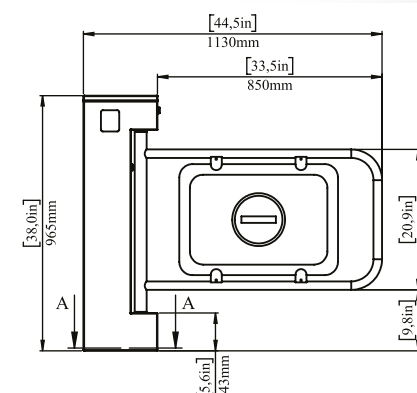
Optional Available Signals



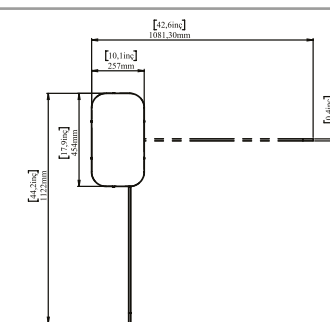
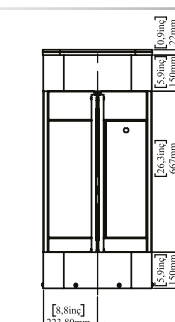
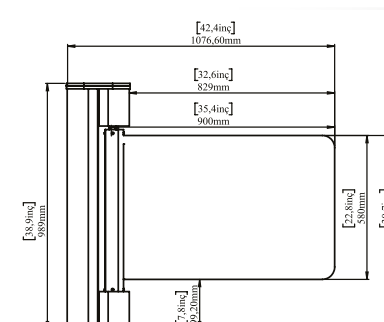
SWG - 15



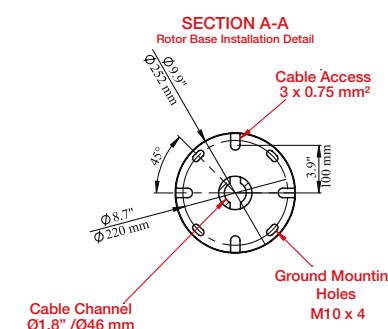
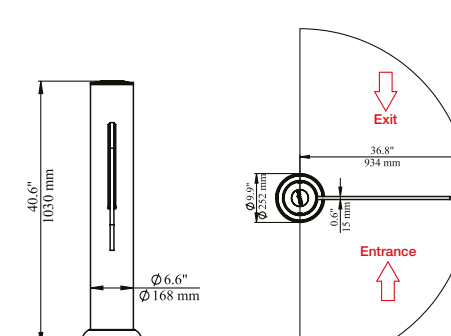
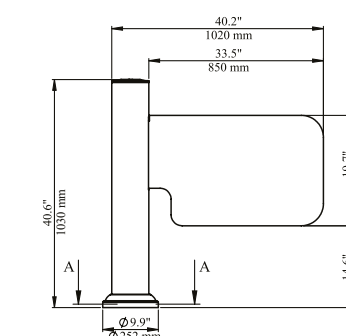
SWG - 28



SWG - 30



SWG - 170





Your Gate to
Protection



> Half Height
Full Height
Glass Height
Turnstiles



AKT - 1250

Main Body

Tripod Arms	Q32 mm dia - Stainless Steel - Arms can be dismantled or mounted one by one separately
Rotor Systems	With rotating control; tripod arms are positioned at 90 degrees
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism
Standard Dimensions (W x L x H)	118 x 125 x 119 cm
Standard Passageway Width	520 mm (Arm Length : 470 mm)

Electrical Parameters

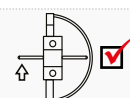
Operating Voltage	110 - 240V AC 50/60 Hz (+/- %10)
Nominal / Max Current	250Ma / 850 Ma
Power Consumption	30 W
Mean Cycles Between Failure (MCBF)	1M Cycles

Function Working

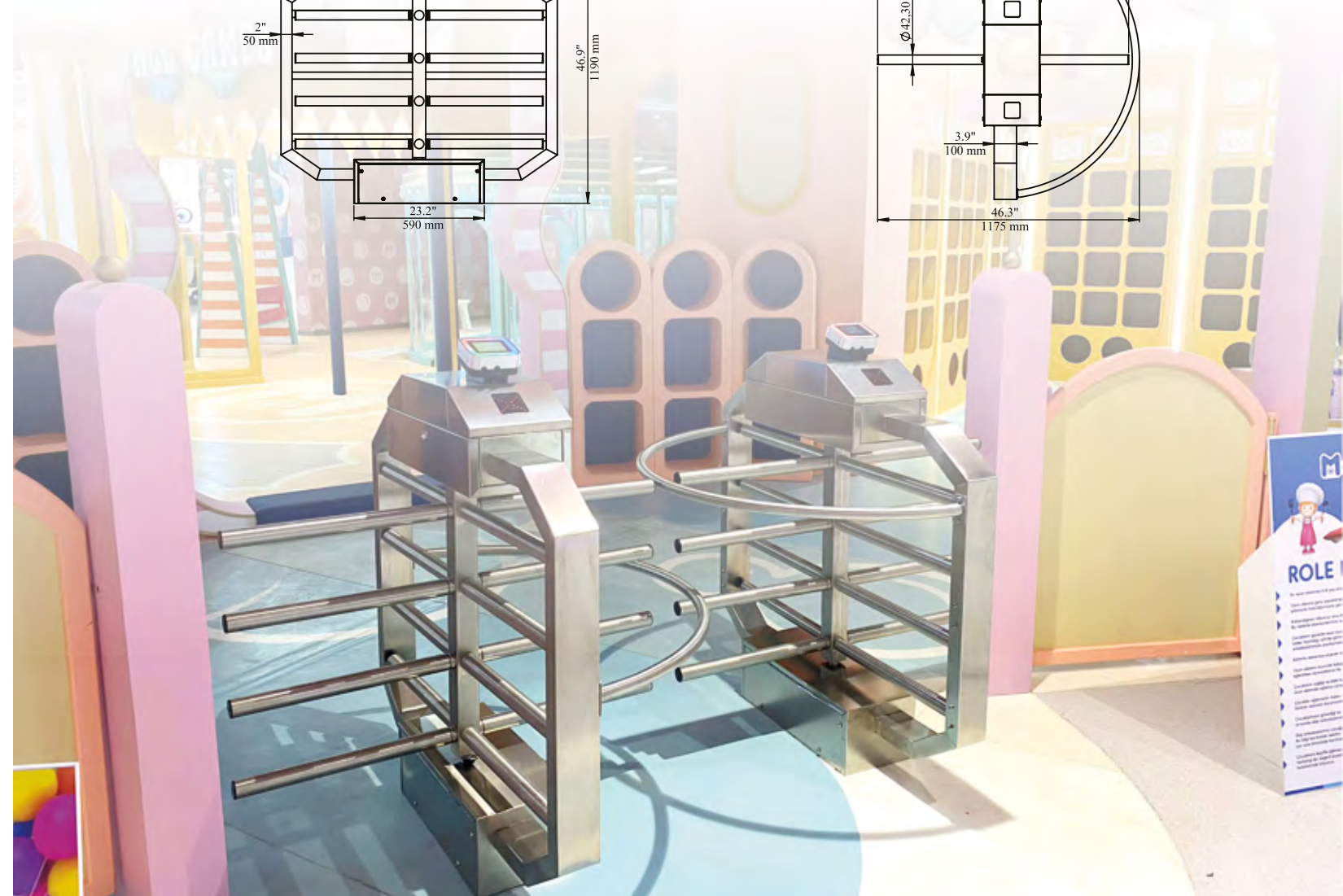
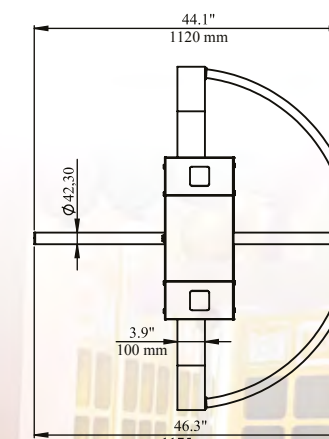
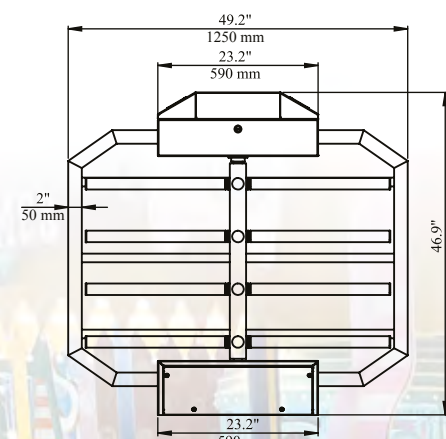
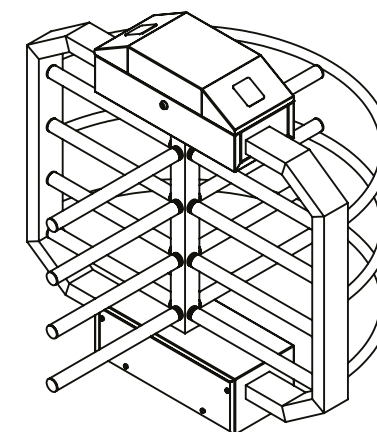
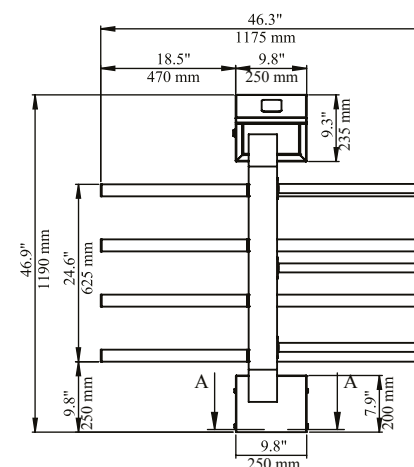
Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays
Passage Direction	Bi-Directional operation feature. Entrance-Exit
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)
Flow Rate	20 Passage / Minutes / Normally Standard
Emergency Mode	System allows free passage in emergency mode and in case of power failure
Indicators Features	Entrance - Green Arrow / Exit - Red Cross
Communication	RS 232 (Need PC Systems hardware serial port)
Operating Temperature	-20° C / + 50° C
Operating Humidity	0 / + 45° C (RH 95% not-condensing)
Working Environment	Indoor

Number of Passage Lanes

Single Unit



AKT - 1250



Technical Specifications



➤ **AKT - 100 S**
304 Stainless Steel



➤ **AKT - 101 S**
Painted



➤ **AKT - 102 S**
Painted Body
Rotor - Arms Stainless Steel

Main Body

Tripod Arms	Produced by Ø42 - 1.5 mm material. - Stainless Steel - Arms can be dismantled or mounted one by one separately.	
Rotor Systems	With rotating control; tripod arms are positioned at 90 degrees	
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism	
Standard Dimensions (W x L x H)	135 x 130 x 220 cm	
Standard Passageway Width	600 mm (Arm Length : 550 mm)	

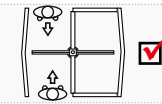
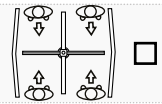
Electrical Parameters

Operating Voltage /Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 50 W	
Nominal / Max Current	250Ma / 850 Ma	
Mean Cycles Between Failure (MCBF)	1M Cycles	

Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs	
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays	
Passage Direction	Bi-Directional operation feature. Entrance-Exit	
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)	
Flow Rate	20 Passage / Minutes / Normally Standard	
Emergency Mode	System allows free passage in emergency mode and in case of power failure	
Indicators Features	Entrance - Green Arrow / Exit - Red Cross	
Communication	RS 232 (Need PC Systems hardware serial port)	
Operating Temperature	-20° C / + 50° C	
Operating Humidity	0 / + 45° C (RH 95% not-condensing)	
IP Rating	IP - 54	
Working Environment	Indoor - Outdoor	

Number of Passage Lanes

Single Unit  ☒Double Unit  ☐

Usage Areas

Public Transport Areas
Subway / Tramway
Rail Transit

Stadiums



Prisons

Commercial Buildings
Banks

Benefits

High-Level
Security ControlSecurity and
ComfortRestricts access to
secured zonesAutomation of pedestrian
access control

Technical Specifications



➤ **AKT - 400 S**
304 Stainless Steel



➤ **AKT - 401 S**
Painted



➤ **AKT - 402 S**
Painted Body
Rotor - Arms Stainless Steel

Main Body

Tripod Arms	Produced by Ø42 - 1.5 mm material. - Stainless Steel - Arms can be dismantled or mounted one by one separately.	
Rotor Systems	With rotating control; tripod arms are positioned at 90 degrees	
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism	
Standard Dimensions (W x L x H)	138 x 116 x 220 cm	
Standard Passageway Width	600 mm (Arm Length : 550 mm)	

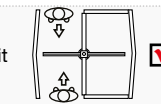
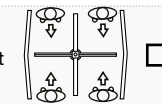
Electrical Parameters

Operating Voltage /Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 50 W	
Nominal / Max Current	250Ma / 850 Ma	
Mean Cycles Between Failure (MCBF)	1M Cycles	

Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs	
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays	
Passage Direction	Bi-Directional operation feature. Entrance-Exit	
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)	
Flow Rate	20 Passage / Minutes / Normally Standard	
Emergency Mode	System allows free passage in emergency mode and in case of power failure	
Indicators Features	Entrance - Green Arrow / Exit - Red Cross	
Communication	RS 232 (Need PC Systems hardware serial port)	
Operating Temperature	-20° C / + 50° C	
Operating Humidity	0 / + 45° C (RH 95% not-condensing)	
IP Rating	IP - 54	
Working Environment	Indoor - Outdoor	

Number of Passage Lanes

Single Unit  ☒Double Unit  ☐

Usage Areas

Public Transport Areas
Subway / Tramway
Rail Transit

Stadiums



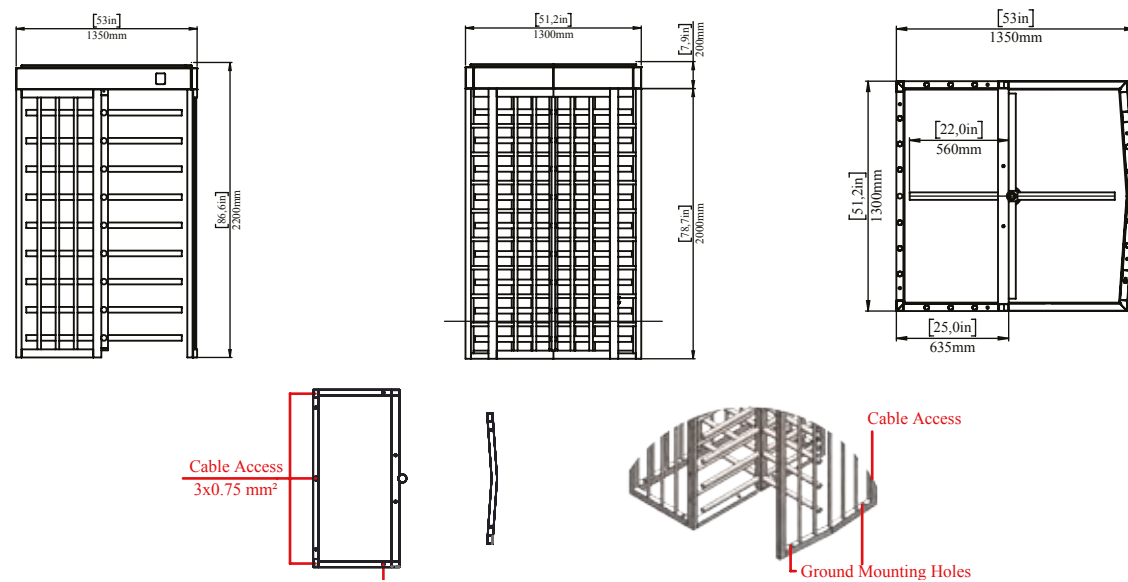
Prisons

Commercial Buildings
Banks

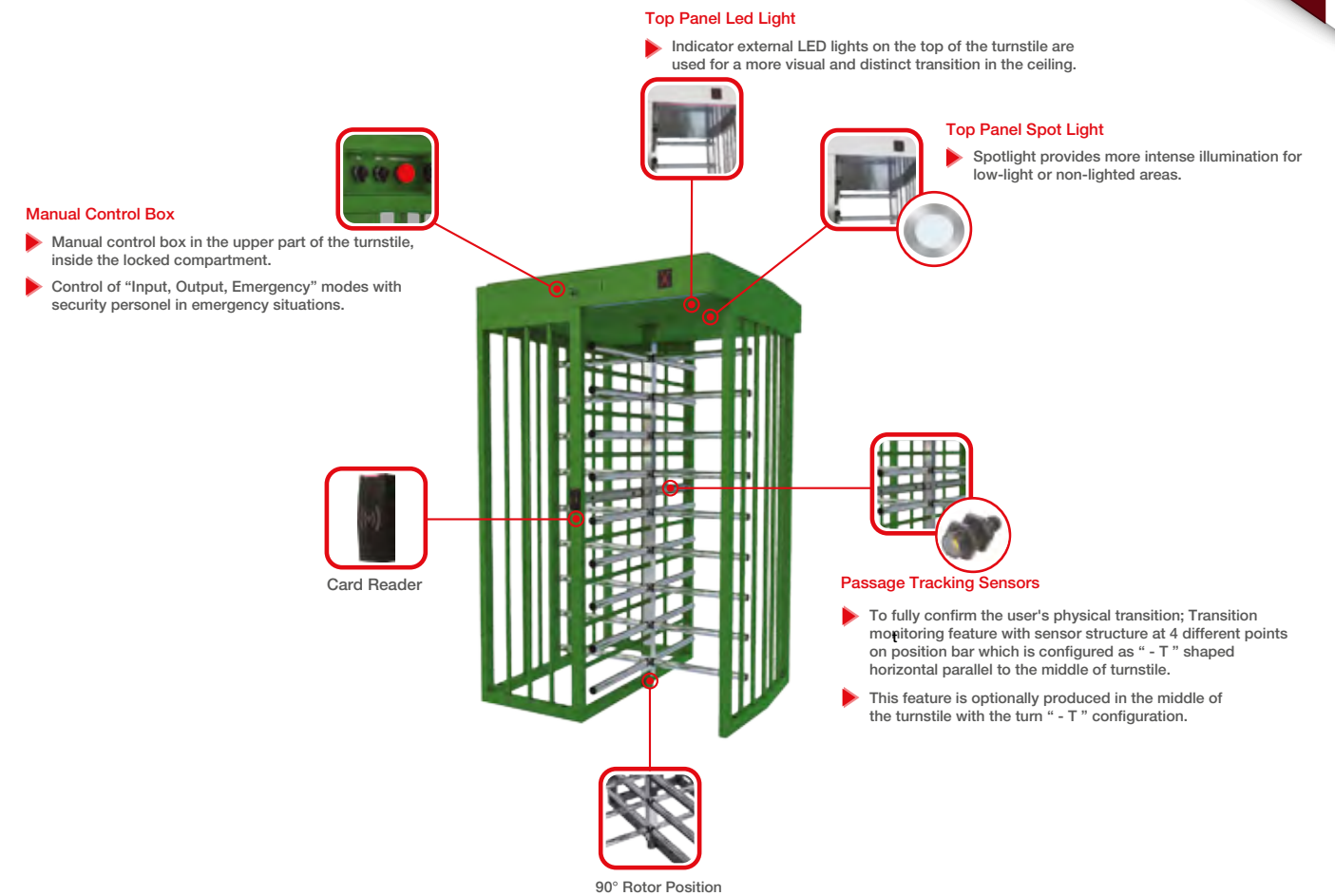
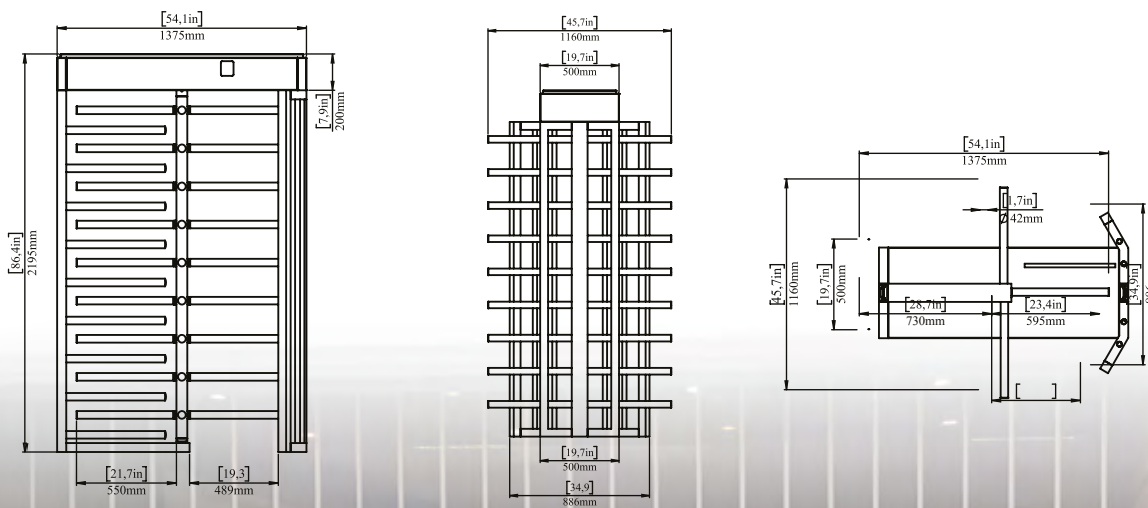
Benefits

High-Level
Security ControlSecurity and
ComfortRestricts access to
secured zonesAutomation of pedestrian
access control

AKT - 100 S SERIES



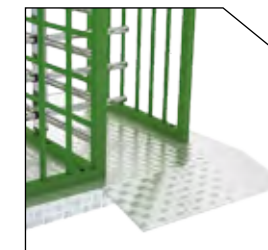
AKT - 400 S SERIES



Installation Platform



- Ease of modular installation with anti-skid bottom platform.

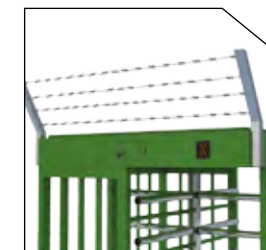
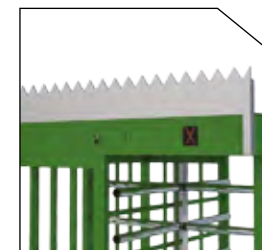


- Front and rear ramp system for easy access.



- Ease of transportation with forklift unit.

High Security Options



- Shark Tooth and Barbed Wire options provide a higher security position.



➤ **AKT - 300 S**
304 Stainless Steel



➤ **AKT - 301 S**



➤ **AKT - 302 S**
Painted Body
Rotor - Arms Stainless Steel

Main Body

Tripod Arms	Produced by Ø42 - 1.5 mm material. - Stainless Steel - Arms can be dismantled or mounted one by one separately.	
Rotor Systems	With rotating control; tripod arms are positioned at 90 degrees	
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism	
Standard Dimensions (W x L x H)	125 x 150 x 220 cm	
Standard Passageway Width	620 mm (Arm Length : 550 mm)	

Electrical Parameters

Operating Voltage /Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 50 W	
Nominal / Max Current	250Ma / 850 Ma	
Mean Cycles Between Failure (MCBF)	1M Cycles	

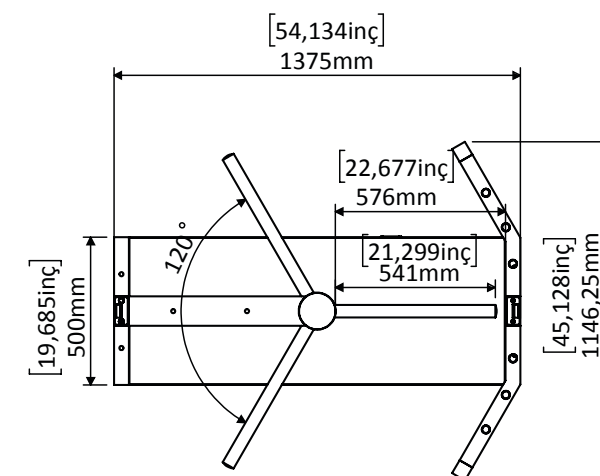
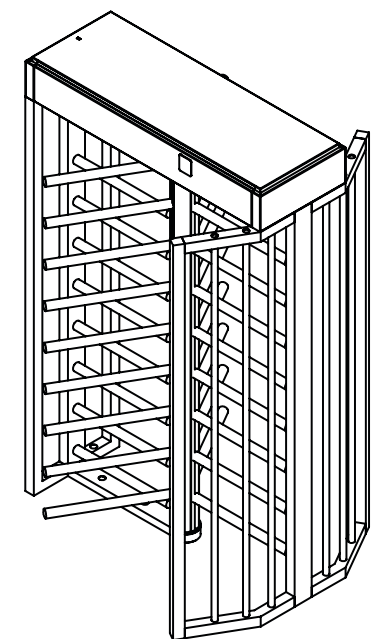
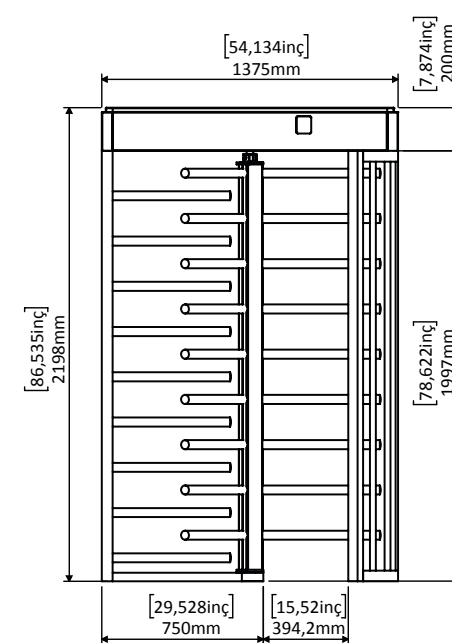
Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs	
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays	
Passage Direction	Bi-Directional operation feature. Entrance-Exit	
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)	
Flow Rate	20 Passage / Minutes / Normally Standard	
Emergency Mode	System allows free passage in emergency mode and in case of power failure	
Indicators Features	Entrance - Green Arrow / Exit - Red Cross	
Communication	RS 232 (Need PC Systems hardware serial port)	
Operating Temperature	-20° C / + 50° C	
Operating Humidity	0 / + 45° C (RH 95% not-condensing)	
IP Rating	IP - 54	
Working Environment	Indoor - Outdoor	

Number of Passage Lanes



AKT - 300 S SERIES



Usage Areas



Benefits







➤ **AKT - 200 D**
304 Stainless Steel

Main Body

Tripod Arms	Produced by Ø42 - 1.5 mm material. - Stainless Steel - Arms can be dismantled or mounted one by one separately.
Rotor Systems	With rotating control; tripod arms are positioned at 90 degrees
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism
Standard Dimensions (W x L x H)	205 x 130 x 220 cm
Standard Passageway Width	600 mm (Arm Length : 550 mm)



Electrical Parameters

Operating Voltage /Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 50 W
Nominal / Max Current	250Ma / 850 Ma
Mean Cycles Between Failure (MCBF)	1M Cycles



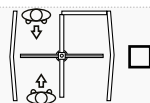
Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays
Passage Direction	Bi-Directional operation feature. Entrance-Exit
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)
Flow Rate	20 Passage / Minutes / Normally Standard
Emergency Mode	System allows free passage in emergency mode and in case of power failure
Indicators Features	Entrance - Green Arrow / Exit - Red Cross
Communication	RS 232 (Need PC Systems hardware serial port)
Operating Temperature	-20° C / + 50° C
Operating Humidity	0 / + 45° C (RH 95% not-condensing)
IP Rating	IP - 54
Working Environment	Indoor - Outdoor

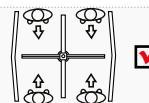


Number of Passage Lanes

Single Unit



Double Unit



Security and Comfort



Restricts access to secured zones



Automation of pedestrian access control

Usage Areas



Public Transport Areas
Subway / Tramway
Rail Transit



Stadiums



Prisons



Commercial Buildings
Banks

Benefits



High-Level Security Control



Restricts access to secured zones



Security and Comfort



Automation of pedestrian access control



➤ **AKT - 202 D**
Painted Body
Rotor - Arms Stainless Steel

➤ **AKT - 201 D**
Painted

Manual Control Box

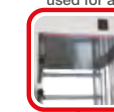
- ▶ Manual control box in the upper part of the turnstile, inside the locked compartment.
- ▶ Control of "Input, Output, Emergency" modes with security personnel in emergency situations.



Card Reader

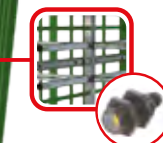
Top Panel Led Light

- ▶ Indicator external LED lights on the top of the turnstile are used for a more visual and distinct transition in the ceiling.



Top Panel Spot Light

- ▶ Spotlight provides more intense illumination for low-light or non-lighted areas.



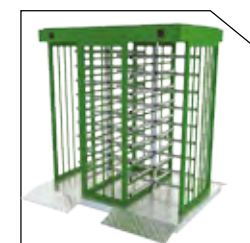
Passage Tracking Sensors

- ▶ To fully confirm the user's physical transition; Transition monitoring feature with sensor structure at 4 different points on position bar which is configured as " - T " shaped horizontal parallel to the middle of turnstile.
- ▶ This feature is optionally produced in the middle of the turnstile with the turn " - T " configuration.

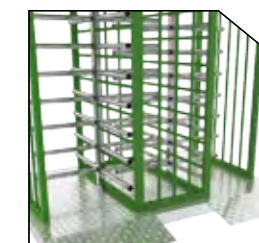


90° Rotor Position

Installation Platform



- ▶ Ease of modular installation with anti-skid bottom

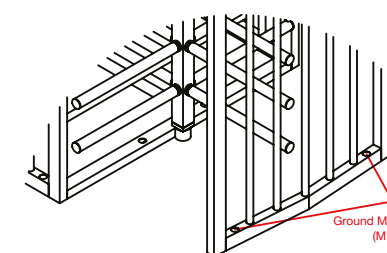
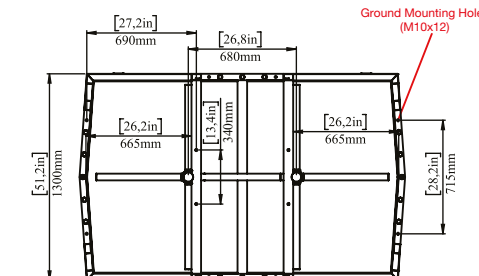
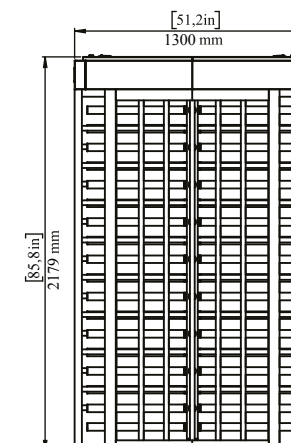
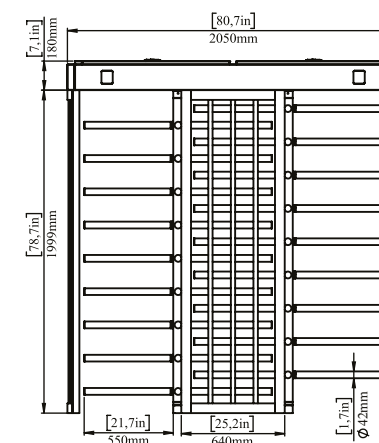


- ▶ Front and rear ramp system for easy access.



- ▶ Ease of transportation with forklift unit.

AKT - 200 D SERIES





➤ **AKT - 500 - S**
304 Stainless Steel Body
Plexiglass Arms and Side Walls



➤ **AKT - 501 - S**
Painted Body
Plexiglass Arms and Side Walls

Main Body

Tripod Arms	Arms are made of 15 mm plexiglass material.
Rotor Systems	With rotating control; tripod arms are positioned at 120 degrees
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism
Standard Dimensions (W x L x H)	147 x 122 x 220 cm
Standard Passageway Width	615 mm (Arm Length : 575 mm)



Electrical Parameters

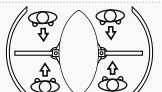
Operating Voltage	110 - 240V AC 50/60 Hz (+/- %10)
Nominal / Max Current	250Ma / 850 Ma
Power Consumption	50 W
Mean Cycles Between Failure (MCBF)	1M Cycles



Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays
Passage Direction	Bi-Directional operation feature. Entrance-Exit
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)
Flow Rate	20 Passage / Minutes / Normally Standard
Emergency Mode	System allows free passage in emergency mode and in case of power failure
Indicators Features	Entrance - Green Arrow / Exit - Red Cross
Communication	RS 232 (Need PC Systems hardware serial port)
Operating Temperature	-20° C / + 50° C
Operating Humidity	0 / + 45° C (RH 95% not-condensing)
IP Rating	IP - 54
Working Environment	Indoor - Outdoor



Number of Passage Lanes	Single Unit  ☒ Double Unit  ☐
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➤ **AKT - 600 - D**
304 Stainless Steel Body
Plexiglass Arms and Side Walls



➤ **AKT - 601 - D**
Painted Body
Plexiglass Arms and Side Walls

Main Body

Tripod Arms	Arms are made of 15 mm plexiglass material.
Rotor Systems	With rotating control; tripod arms are positioned at 120 degrees
Rotation Control	Self centering and smooth operation is handled by means of spring and hydraulic damping mechanism
Standard Dimensions (W x L x H)	225 x 122 x 220 cm
Standard Passageway Width	615 mm (Arm Length : 575 mm)



Electrical Parameters

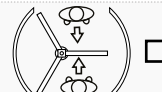
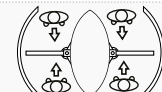
Operating Voltage	110 - 240V AC 50/60 Hz (+/- %10)
Nominal / Max Current	250Ma / 850 Ma
Power Consumption	50 W
Mean Cycles Between Failure (MCBF)	1M Cycles



Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays
Passage Direction	Bi-Directional operation feature. Entrance-Exit
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)
Flow Rate	20 Passage / Minutes / Normally Standard
Emergency Mode	System allows free passage in emergency mode and in case of power failure
Indicators Features	Entrance - Green Arrow / Exit - Red Cross
Communication	RS 232 (Need PC Systems hardware serial port)
Operating Temperature	-20° C / + 50° C
Operating Humidity	0 / + 45° C (RH 95% not-condensing)
IP Rating	IP - 54
Working Environment	Indoor - Outdoor

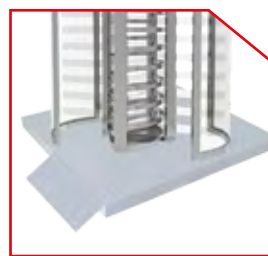


Number of Passage Lanes	Single Unit  ☐ Double Unit  ☒
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Optional Accessories



▶ Ease of modular installation with anti-skid bottom platform.



▶ Front and rear ramp system for easy access.



▶ Ease of transportation with forklift unit.

High Security Options

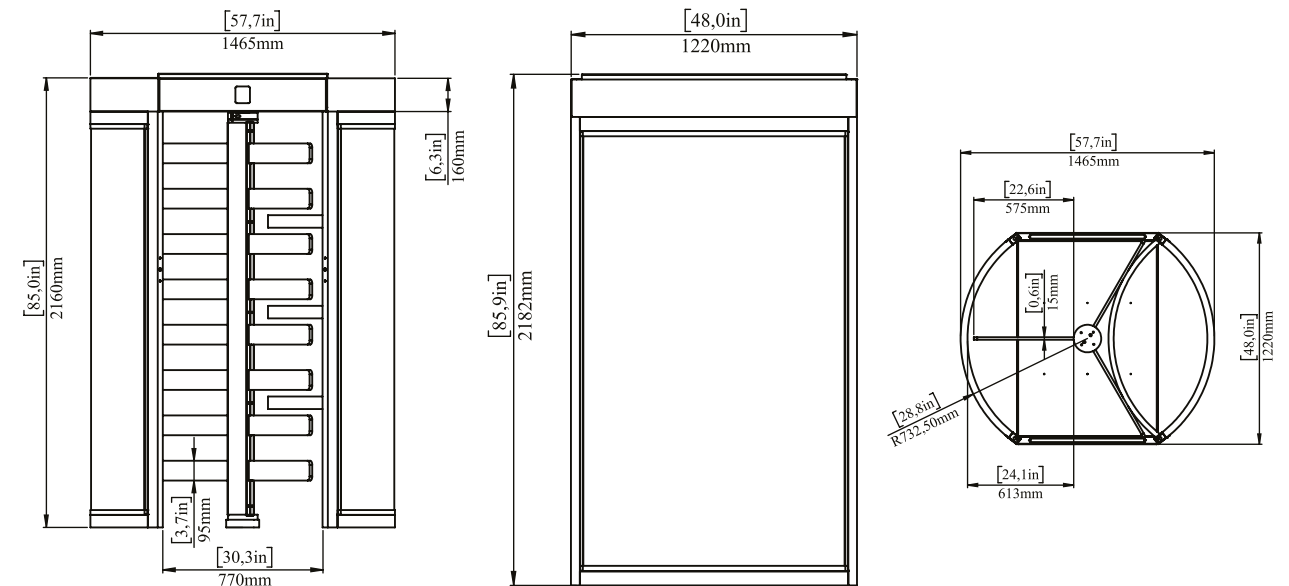


▶ Shark Tooth and Barbed Wire options provide a higher security position.

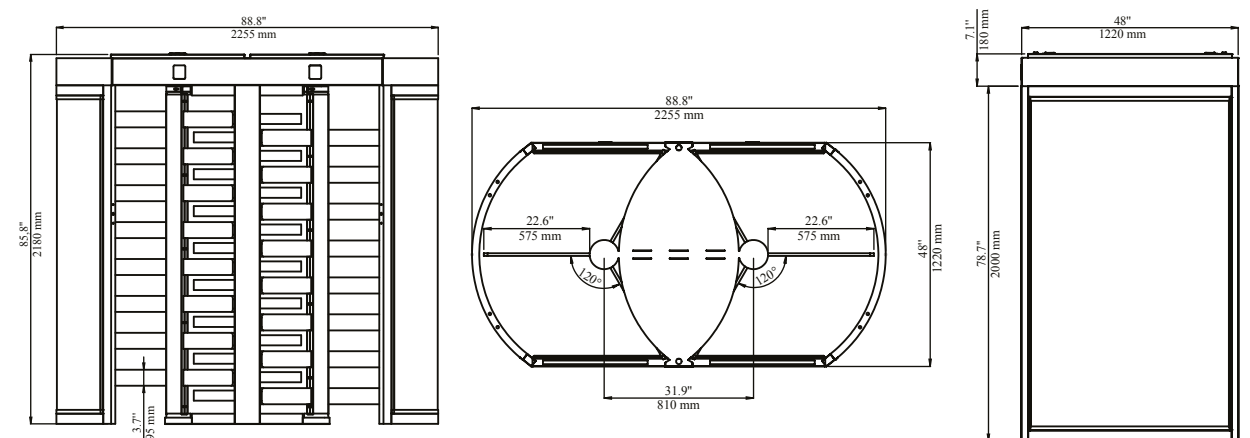


Technical Drawing

AKT - 500 S SERIES



AKT - 600 S SERIES



Usage Areas



Public Transport Areas
Subway / Tramway
Rail Transit



Stadiums



Prisons



Commercial Buildings
Banks

Benefits



High-Level
Security Control



Security and
Comfort



Restricts access to
secured zones



Automation of pedestrian
access control



Your Gate to
Protection



> Speed Gate
Turnstiles



➤ **HG - 100 - S**
Single Wing



➤ **HG - 100 - C**
Double Wing



➤ **HG - 100 - H**
Hybrid Double Wing

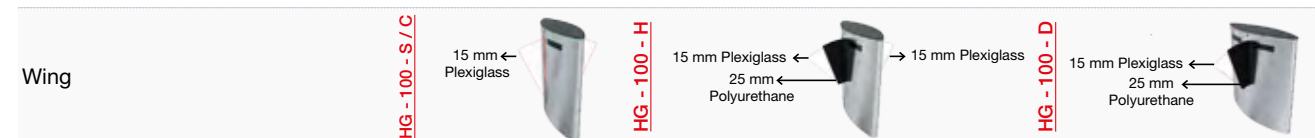


➤ **HG - 100 - D**
Disabled Single Wing

Main Body

Material AISI- 304 - Stainless Steel - Scotch Brite

Standard Dimensions (W x L x H) 30 x 100 x 98 cm



Standard Passageway Width
550 mm (Passage Area : 225 mm + 100 mm + 225 mm)
900 mm (Passage Area : 400 mm + 100 mm + 400 mm)

Electrical Parameters

Operating Voltage/ Power Consumption 110 - 240V AC 50/60 Hz (+/- %10) / 100 W

Nominal / Max Current 300 mA / 1500 mA

Mean Cycles Between Failure (MCBF) 15 M Cycles

Function Working

Control Systems All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs.

Output Data (Feedback) The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays

Movement Mechanism Brushless DC Motor

Gate Open / Close Rate 0,3 - 1 second

Electronic Control Unit Electronic control unit

Time out Delay Adjustable ; Operating Modes (7 - 14 - 21 second)

Flow Rate 20 Passage / Minutes / Normally Standard

Passage Direction Bi-Directional operation feature. Entrance-Exit

Side Led Stripes Passage Free - Green / Passage Closed - Red / Standby - Blue

Operating Humidity 0 / + 45° C (RH 95% not-condensing)

Operating Temperature / IP Rating -20° C / + 68° C / IP 44

Number of Passage Lanes

Single Unit



Double Unit

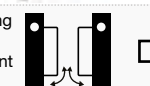


Wing Movement

Wings Retracting into Body
Fan Movement System



Wings Retracting into Body
Linear Movement System

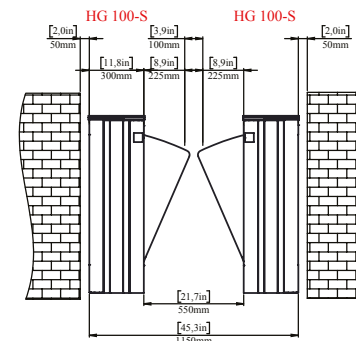
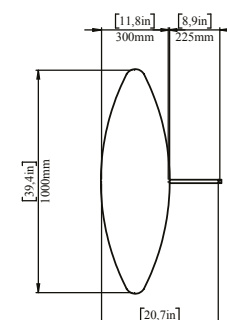
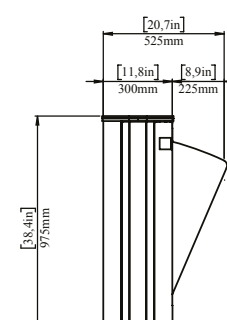


304

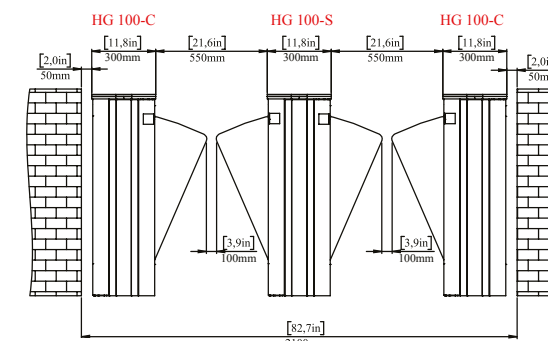
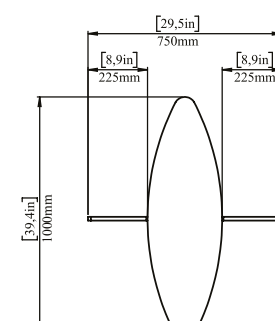
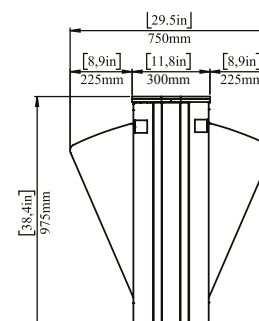
24V DC
100 W24V DC
Brushless Motor
Driver20
per / min+68°
-20°
IP 44

Passage Closed
Passage Free
Standby

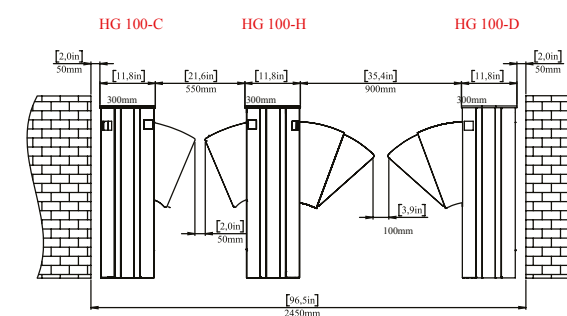
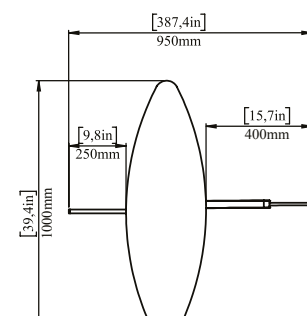
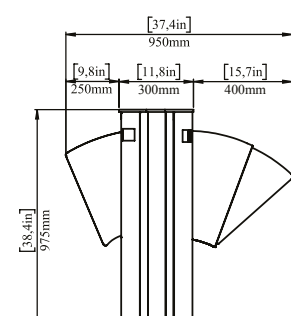
HG-100 S



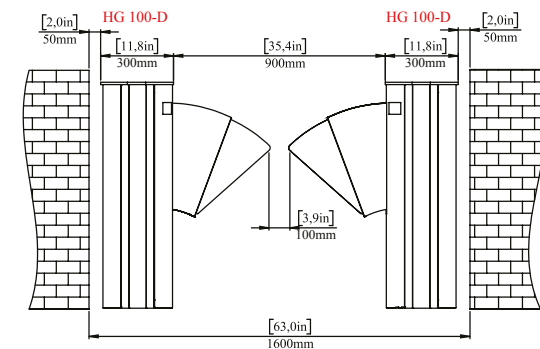
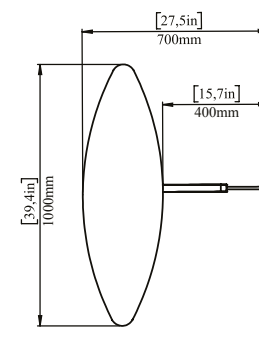
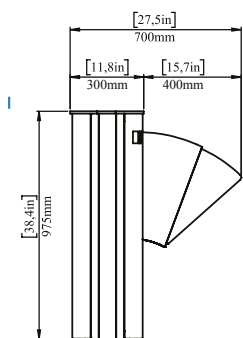
HG-100 C



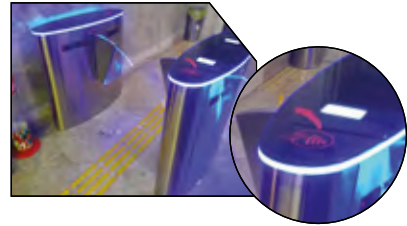
HG-100 H



HG-100 D



Access Control Device Adaptation Applications



Card Reader Adaptation Solutions



Biometric Device



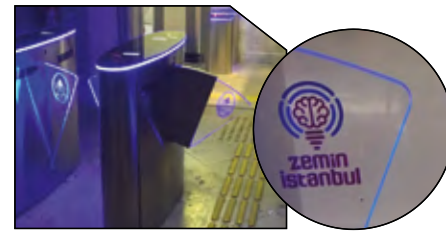
Fingerprint Reader Adaptation Solutions

Installation Platform



- Ease of modular installation with anti-skid bottom platform.
- Ease of installation in difficult ground conditions.
- Front and rear ramp system for easy access.

Logo Printing



- Personalized graphics engraving with laser on obstacles are provided on demand.

Button Control Unit - Independent



BT - 1



BT - 2

- Provides remote control of "Entry - Exit - Emergency" modes of security personnel and consultation areas.
- BT-1 and BT-2 type options.

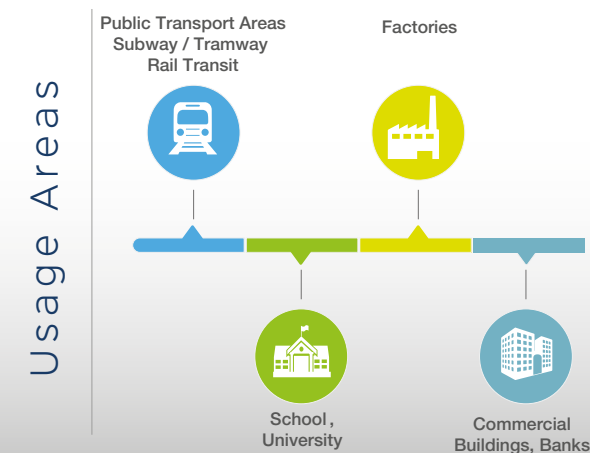
Access Specifications

550 mm (HG-100-S / HG-100-C)	●	●	●	●	●	●	●	●	●	●	●	●	●
900 mm (HG-100-H / HG-100-D)	●	●	●	●	●	●	●	●	●	●	●	●	●

● Passage Available

● Passage have some Limitations

✗ Passage Not Available





Main Body

Material	AISI- 304 - Stainless Steel - Scotch Brite
Standard Dimensions (W x L x H)	30 x 147 x 97 cm
Wing	HG - 145 - S / C 15 mm ← Plexiglass HG - 145 - H 15 mm Plexiglass ← 25 mm Polyurethane 15 mm Plexiglass HG - 145 - D 15 mm Plexiglass ← 25 mm Polyurethane
Standard Passageway Width	550 mm (Passage Area : 225 mm + 100 mm + 225 mm) 900 mm (Passage Area : 400 mm + 100 mm + 400 mm)

304

Electrical Parameters

Operating Voltage/ Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 100 W
Nominal / Max Current	300 mA / 1500 mA
Mean Cycles Between Failure (MCBF)	15 M Cycles

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs.
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays
Movement Mechanism	Brushless DC Motor
Gate Open / Close Rate	0,3 - 1 second
Electronic Control Unit	Electronic control unit
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)
Flow Rate	20 Passage / Minutes / Normally Standard
Passage Direction	Bi-Directional operation feature. Entrance-Exit
Side Led Stripes	Passage Free - Green / Passage Closed - Red / Standby - Blue
Operating Humidity	0 / + 45° C (RH 95% not-condensing)
Operating Temperature / IP Rating	-20° C / + 68° C / IP 44

Number of Passage Lanes

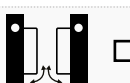
Single Unit



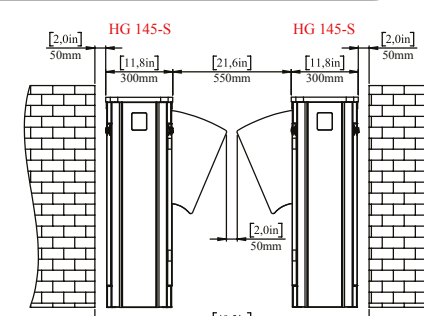
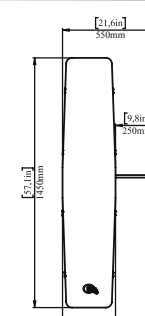
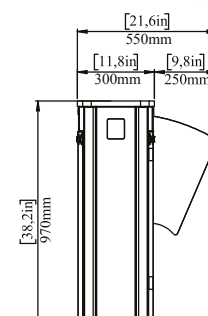
Double Unit



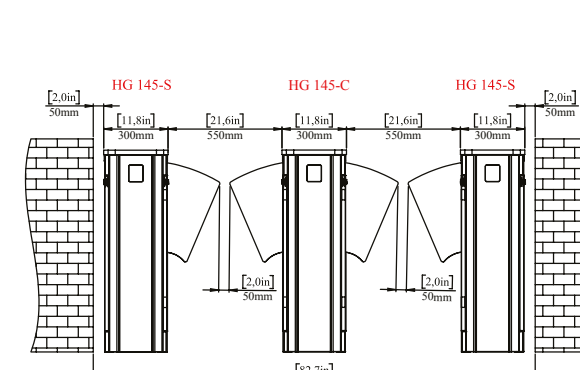
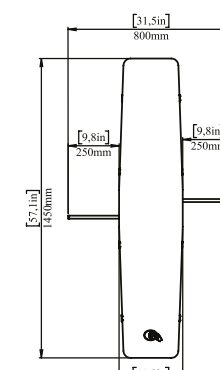
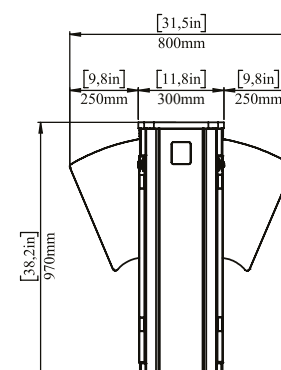
Wing Movement

Wings Retracting into Body
Fan Movement SystemWings Retracting into Body
Linear Movement System

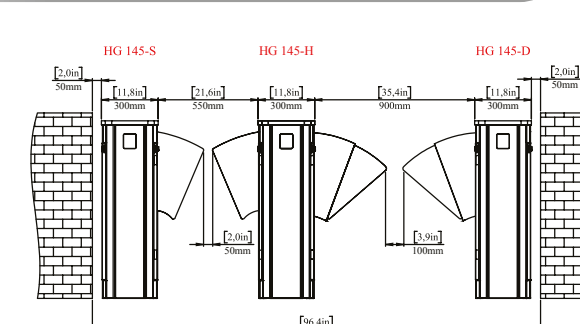
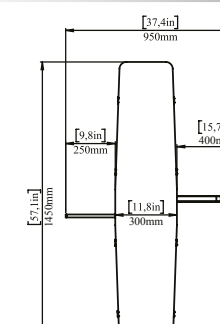
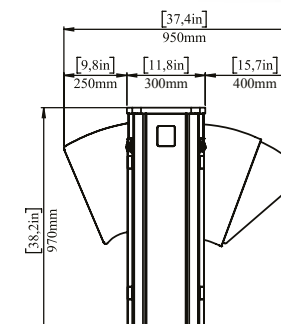
HG-145 S



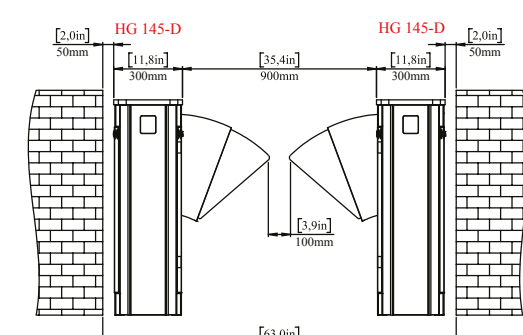
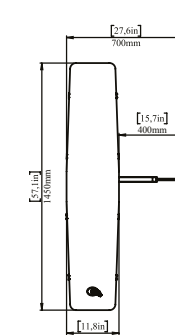
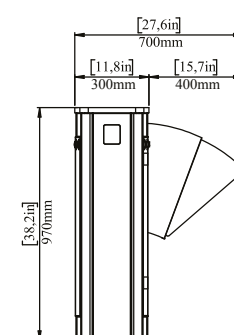
HG-145 C



HG-145 H



HG-145 D





»» HG - 200 - C
Double Wing

304

24V DC
100 W



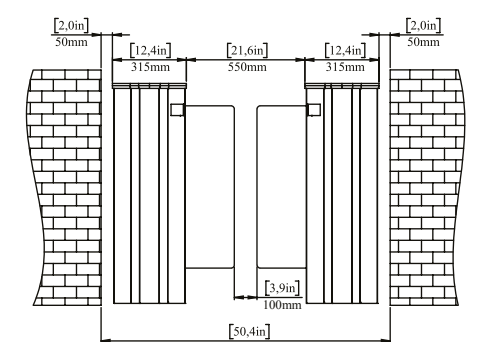
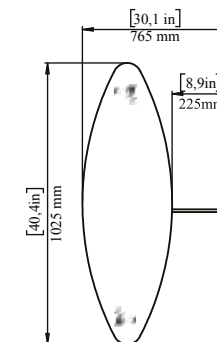
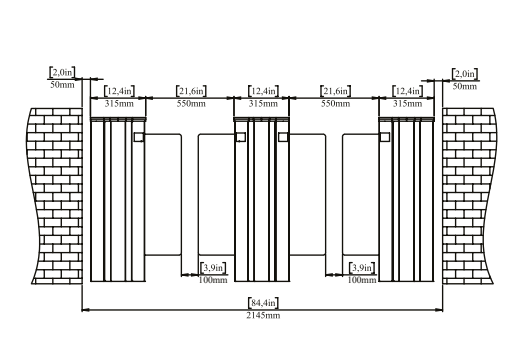
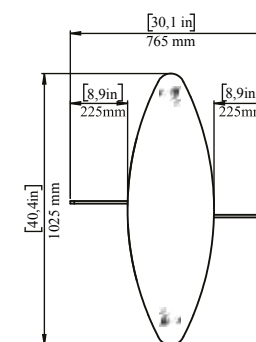
24V DC



Benefits



Automation of pedestrian access control

**HG-200 C** 

- ▶ Card Pass Readers, Finger Print, Biometric Device, Barcode Reader

- ▶ Ease of modular installation with anti-skid bottom platform.
- ▶ Ease of installation in difficult ground conditions.
- ▶ Front and rear ramp system for easy access.

- ▶ Personalized graphics engraving with laser on obstacles are provided on demand.

The image shows two types of push buttons. On the left is a square button labeled **BT - 1** with a green button, a red button, and a smaller red button. On the right is a rectangular button labeled **BT - 2** with a red button, a smaller red button, and a green button.

- ▶ BT-1 and BT-2 type options, usually used in security booths or security rooms, for remote control of “In, Out, Emergency” modes.

**Main Body**

Material	AISI- 304 - Stainless Steel - Scotch Brite
Standard Dimensions (W x L x H)	30 x 145 x 98 cm (HG-300-S/C) 43 x 145 x 98 cm (HG-300-H/D)
Wings	12 mm tempered glass (Opt. Logo Printing)
Standard Passageway Width	550 mm (Passage Area : 225 mm + 100 mm + 225 mm) 900 mm (Passage Area : 400 mm + 100 mm + 400 mm)
Top Cover	10 mm tempered glass (Upper surface of plexiglass)

304

Electrical Parameters

Operating Voltage/ Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 100 W
Nominal / Max Current	300 mA / 1500 mA
Mean Cycles Between Failure (MCBF)	15 M Cycles

Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays
Movement Mechanism	Brushless DC Motor
Gate Open / Close Rate	1 second
Electronic Control Unit	Electronic control unit
Time out Delay	Adjustable ; Operating Modes (7 - 14 - 21 second)
Flow Rate	30 Person - Passage / Minutes / Normally Standard* (*The use of different access control units may result in a change in the transition speed.)
Passage Direction	Bi-Directional operation feature. Entrance-Exit
Side Led Stripes	Passage Free - Green / Passage Closed - Red / Standby - Blue
Operating Humidity	0 / + 45° C (RH 95% not-condensing)
Operating Temperature / IP Rating	-20° C / + 68° C / IP 44

Number of Passage Lanes

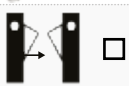
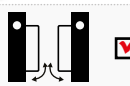
Single Unit



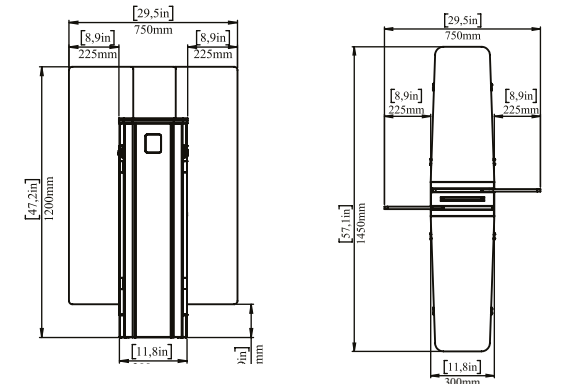
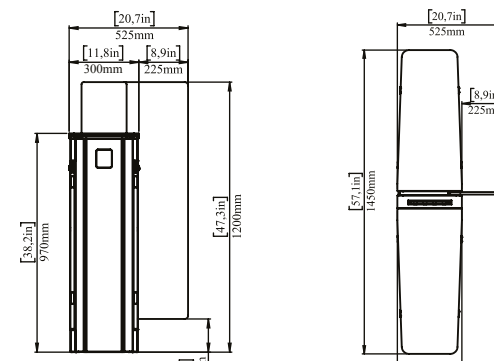
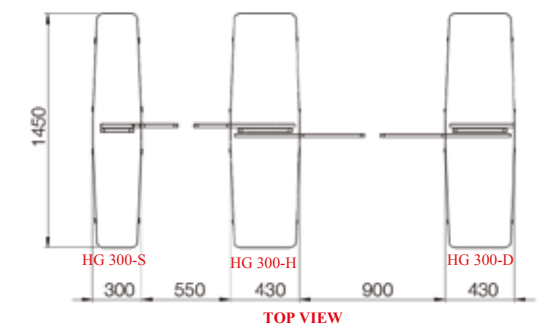
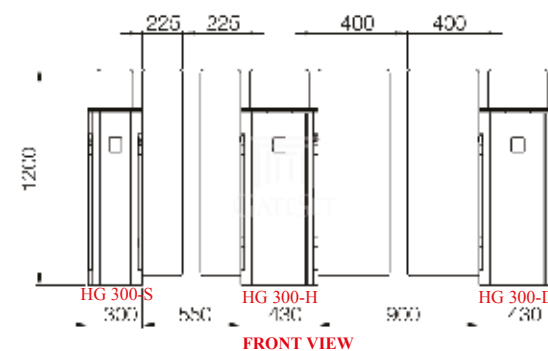
Double Unit



Wing Movement

Wings Retracting
into Body
Fan Movement
SystemWings Retracting
into Body
Linear Movement
System

IP 44

HG-300 S / HG-300 C**HG-300 H / HG-300 D****OPTIONAL ACCESSORIES****» Access Control Device Adaptation Applications**

- ▶ Card Pass Readers, Finger Print, Biometric Device, Barcode Reader

» Installation Platform

- ▶ Ease of modular installation with anti-skid bottom platform.
- ▶ Ease of installation in difficult ground conditions.
- ▶ Front and rear ramp system for easy access.

» Logo Printing

- ▶ Personalized graphics engraving with laser on obstacles are provided on demand.

» Button Control Unit - Independent

- ▶ BT-1 and BT-2 type options, usually used in security booths or security rooms, for remote control of "In, Out, Emergency" modes.



➤ **HG - 400 - S**
Single Wing



➤ **HG - 400 - C**
Double Wing



➤ **HG - 400 - H**
Hybrid Double Wing



➤ **HG - 400 - D**
Disabled Single Wing

Main Body

Material	AISI- 304 - Stainless Steel - Scotch Brite
Inner Case	Reinforced with 6 mm horizontal galvanized metal bars to increase strength.
Standard Dimensions (W x L x H)	19 x 140 x 100 cm (Single Wing - HG-400-S / D) - 26 x 140 x 100 cm (Double Wing - HG-400-H / C)
Wings / Wing Height	10 mm tempered glass
Standard Passageway Width	550 mm (Passage Area : 225 mm + 100 mm + 225 mm) 900 mm (Passage Area : 400 mm + 100 mm + 400 mm)

304

Electrical Parameters

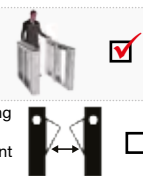
Operating Voltage/ Power Consumption	110 - 240V AC 50/60 Hz (+/- %10) / 100 W
Nominal / Max Current	300 mA / 1500 mA
Mean Cycles Between Failure (MCBF)	15 M Cycles

Function Working

Control Systems	All inputs are opto-coupler protected. Controlled by dry contact or grounding input. Compatible with all access control systems that provide dry contact or grounding outputs
Output Data (Feedback)	The systems provides dry contact, NO - Normally Open, entry - exit passage feedback by relays
Movement Mechanism	400W Servo Motor
Sensor Control	8 point (pairs) IR sensor control for N/O mode, sequential (switching) passage feature for N/C mode. The system continuously monitors the status of the corridor and gives alarm in several cases.
Gate Open - Close Rate / Time out Delay	0,5 - 1, 5 second / Adjustable ; Operating Modes
Electronic Control Unit / Communication	PLC control unit / RS 232 (Need PC Systems hardware serial port)
Flow Rate	30 Person - Passage / Minutes / Normally Standard (*The use of different access control units may result in a change in the transition speed.)
Working Environment - IP Rating	Indoor - IP 44
Operating Temperature / Humidity	-20° C / + 68° C - 0 / +45° C (RH 95% Yoğuşmasız)
Occupancy Monitoring	When a user occupies the lane without flushing a card, systems gives alarm after an adjustable time.
Anti - Tail - Gating	When an unauthorized access attempt is made right after a valid access, system will give alarm and block access right after the valid passage (alarm/block access configurations are adjustable)
Position Detection	Position of the obstacle wings are continuously detected by servo motor
Passage Direction	Bi-Directional operation feature. Entrance-Exit
Side Led Stripes	Passage Free - Green / Passage Closed - Red / Standby - Blue

Number of Passage Lanes

Single Unit

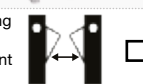


Double Unit



Wing Movements

Wings Retracting into Body Linear Movement System

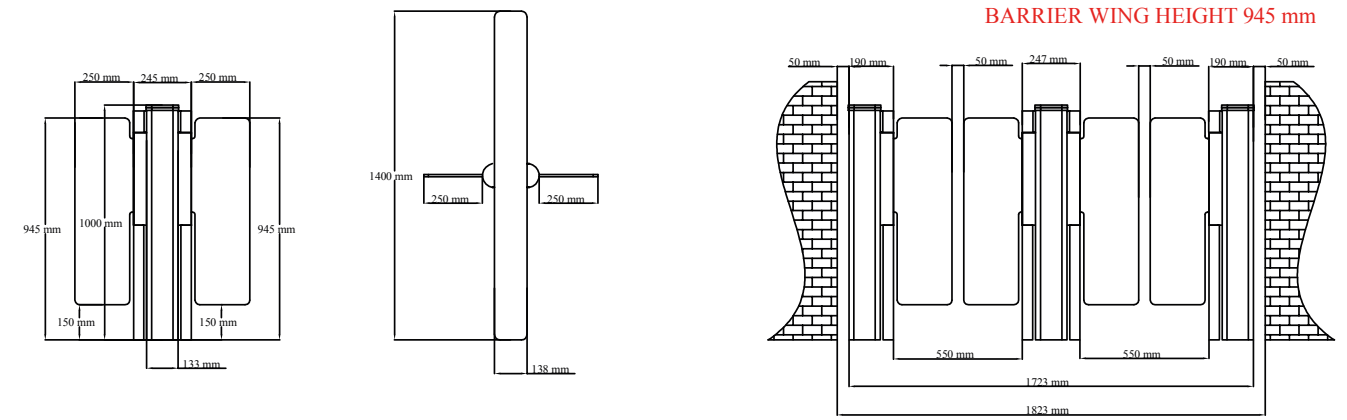


Swing Wing Movement



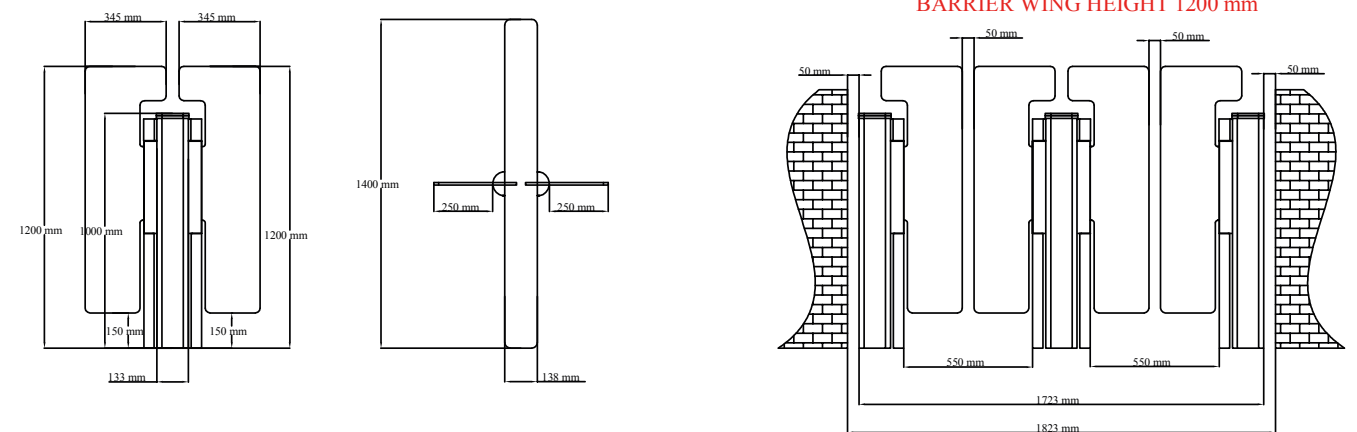
HG-400 C

BARRIER WING HEIGHT 945 mm



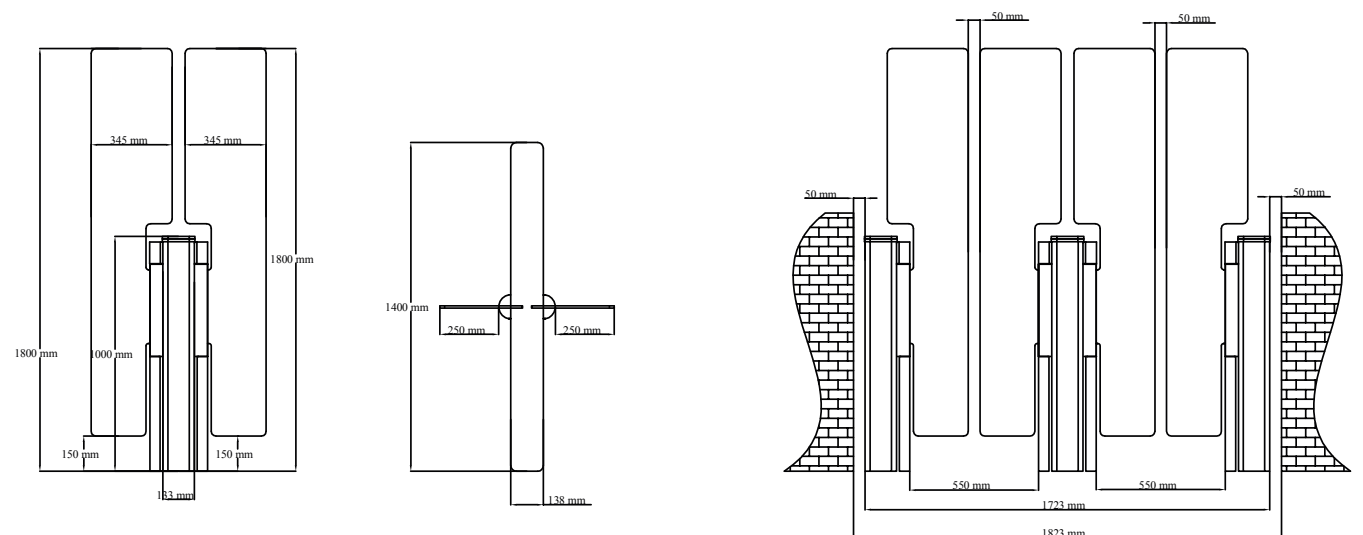
HG-400 C

BARRIER WING HEIGHT 1200 mm



HG-400 C

BARRIER WING HEIGHT 1800 mm





» HG - 180 - D
Disabled Single Wing

Number of Passage Lanes	Single Unit ☒	Double Unit ☒
Wing Movements	Wings Retracting into Body Fan Movement System ☒	Wings Retracting into Body Linear Movement System ☐

Technical drawings of the Wingtip Mounting Bracket. The left drawing is a front view showing a vertical bracket with a top width of 11.8 inches (300 mm) and a total height of 43.3 inches (1100 mm). The right drawing is a side view showing the bracket's profile with a callout for "Wing Thickness 20mm (+ / - 5mm Tolerance)".

Passage Width	Single Person	Single Person with Bag	Two People with Bags	Two People with Bags (Staggered)	Two People with Bags (Side-by-Side)	Two People (One with Bag)	Two People (One with Bag, One with Child)	Two People (One with Bag, One with Child in Stroller)	Person in Wheelchair	Two People in Wheelchairs	Person with Bag and Child in Stroller	Legend
550 mm (HG-400-S / HG-400-C)	●	●	●	●	●	⚠	⚠	⚠	✗	✗	⚠	● Passage Available ⚠ Passage have some Limitations ✗ Passage Not Available
900 mm (HG-400-H / HG-400-D)	●	●	●	●	●	⚠	⚠	●	●	●		



TÜRKİYE



MARMARAY

"AKTUEL TURNSTILE" products were preferred in the Access Control Systems of this project, which carries an average of 350.000 passengers per day in 43 stations with total disabled access and total length of 76.6 km.



M1A - YENIKAPI - ATATURK AIRPORT METRO LINE

"AKTUEL TURNSTILE" products were preferred in Yenikapi-Ataturk Airport Metro Line with a capacity of 400,000 passengers per day.



M1B - YENIKAPI - KIRAZLI METRO LINE

Daily Yenikapi-Kirazli 168 route in one direction carrying an average of 400,000 passengers Passage Control Turnstile Systems preference "AKTUEL".



M3 - BASAKSEHIR - KIRAZLI - OLIMPIYATKOY METRO LINE

Approximate length of 16 km Başakşehir - Kirazlı - Olimpiyatköy line access control turnstile systems choice of 11 stations "AKTUEL"



M4 - TAVSANTEPE - KADIKOY METRO LINE

AKTUEL TURNSTILE products were preferred for Access Control Turnstile Systems in M4-KARTAL-KADIKÖY metro line which has 26.5 kilometers line length and 19 stations.



M5 - USKUDAR - CEKMEKOY METRO LINE

Turkey's first driverless metro line which Üsküdar - çekmeköy line of products ACTUAL TURNSTILE in the Access Control Turnstiles System was preferred.



M7 - MECIDIYEKOY - MAHMUTBEY METRO LINE / ISTANBUL

"AKTUEL TURNSTILE" products have been preferred in Access Control Turnstile Systems at the first driverless Metro Line of the European side M7-MECIDIYEKOY-MAHMUTBEY Metro Line



T1 - KABATAŞ - BAĞCILAR TRAMVAY LINE

AKTUEL TURNSTILE products that provide direct rail transportation from Bağcılar to Kabataş were preferred.



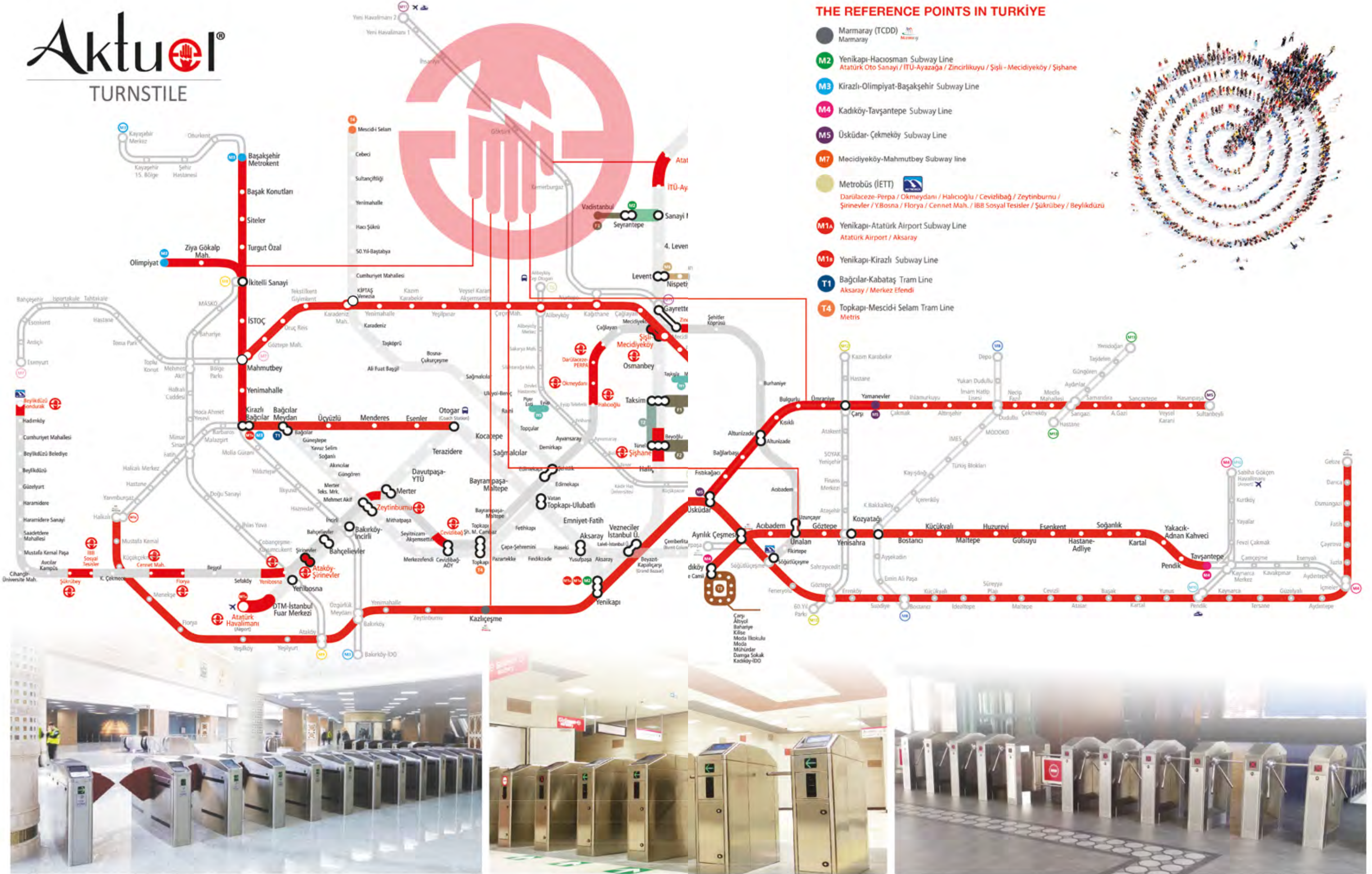
KONYA METROPOLITAN MUNICIPALITY
Konya Metropolitan Municipality; has 2 lines and 41 stations with a length of 25.5 km, which use an average of 104 thousand per day, 3 million 120 thousand per month Konya Tram Line Access Control Turnstile Systems "AKTUEL TURNSTILE" applications were preferred.



ISTANBUL
MARMARAY
SUBWAY
PROJECT



Marmaray





Your Gate to
Protection



> Arm
Barriers



Electrical Parameters

Operating Voltage	110 - 240V AC 50/60 Hz (+/- %10)
Nominal / Max Current	250 Ma / 850 Ma
Power Consumption	30 W
Mean Cycles Between Failure (MCBF)	1M Cycles



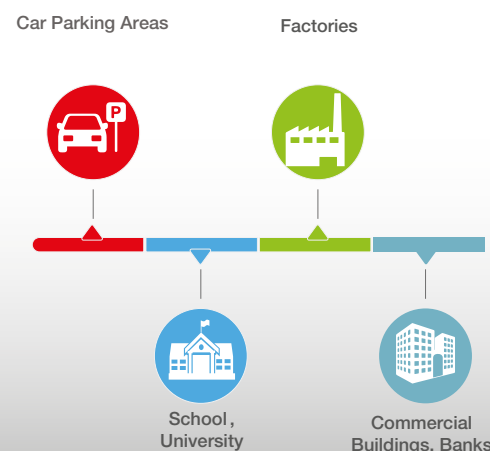
24V DC

Function Working

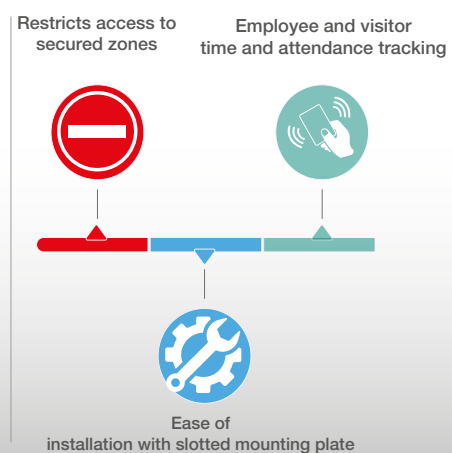
Motor	0.40 KW controlled by frequency inverter.
Operation Frequency	6,000+ consecutive movements supported with 100% duty cycle Suitable for handling 10,000+ vehicle passage per day
Rotation Control	Operation speed control parameter adjustment on PLC panel
Opening / Closing Time	1-3 seconds – Depending on the arm length
Position Control	Inductive limit switches with physical position adjustment for down and up positions.
Manual Operation	Manual prop-up feature
Auto Close	Barrier automatically closes itself, close time is adjustable
Working Environment	Outdoor
Operating Temperature	-25° C / + 70° C
Operating Humidity	0 / + 45° C (RH 95% not-condensing)
IP Rate	IP 54



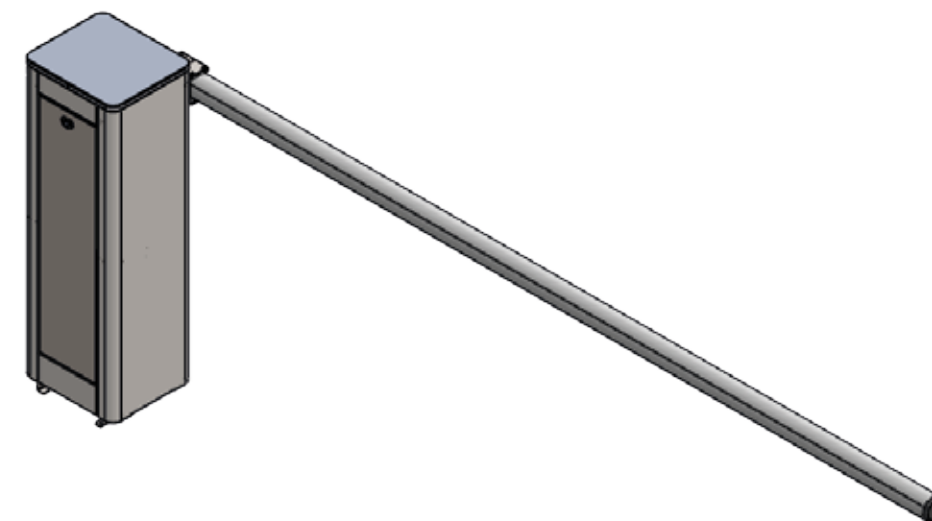
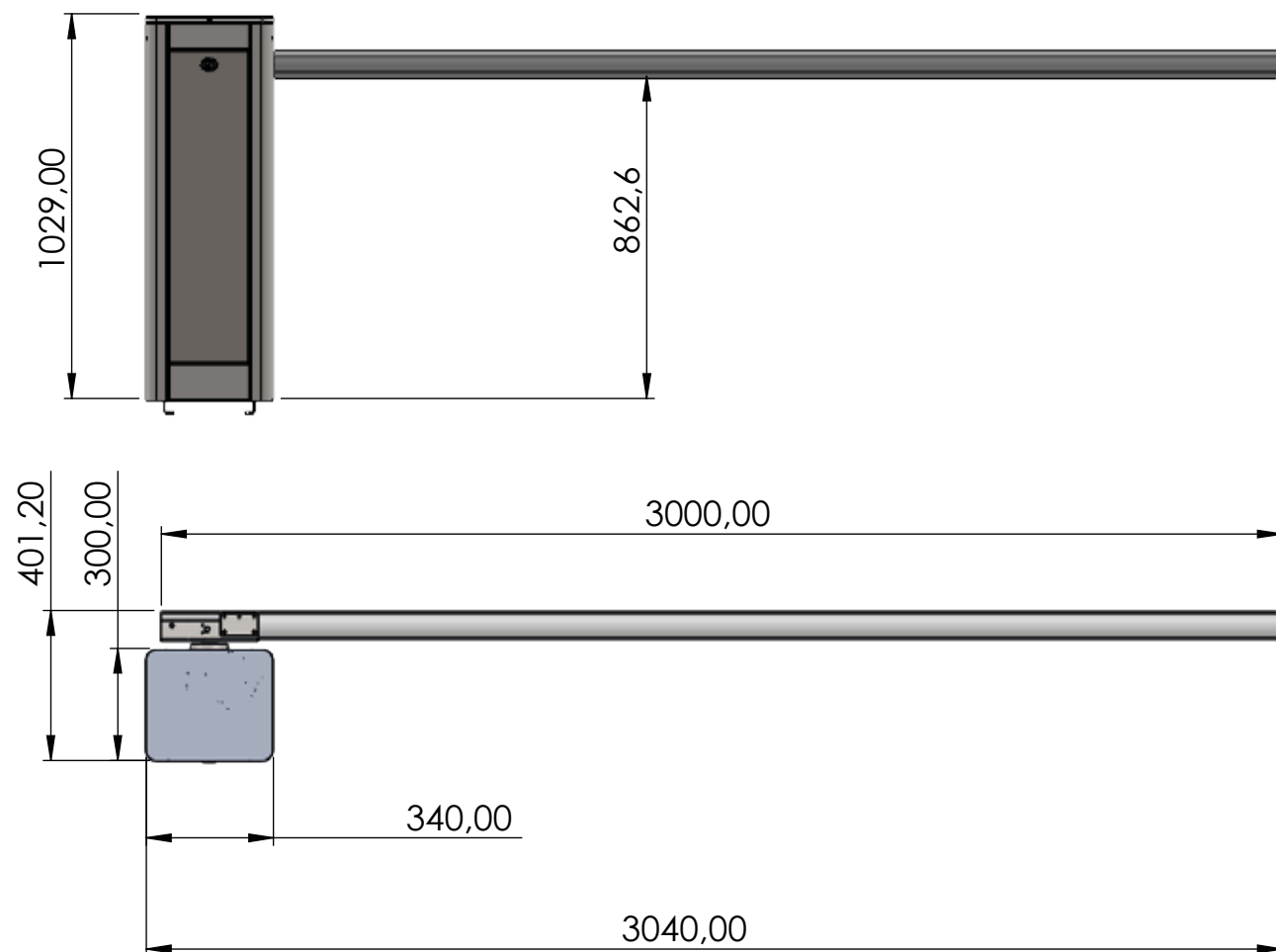
Usage Areas



Benefits



AKT - REX - 4000 / AKT - REX - 6000



Optional Accessories

» Loop Sensor



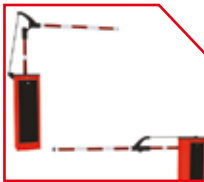
- ▶ Loop Sensor can be added either to enhance operation safety or trigger barrier movement.

» Traffic Lights



- ▶ Red - Green colored
- ▶ Power LED technology, 200 mm diameter, delivered with galvanized post

» Dropping Arm



- ▶ For sites with height limitations, barrier arm can optionally be configured to fold with an angle of 90°
- ▶ Preventing any movement interference and providing ease of installation in confined areas such as underground parking lots.

» Remote Control



- ▶ 1 Unit, working with 23V type 12V battery.
- ▶ 433.920MHz working frequency.
(Legal ISM band for Turkey and Europe)

» Flashing Light



- ▶ 24 V DC Flashing Light can be used to enhance visibility and safety during operation

» Crash Detection



- ▶ Arm releases itself automatically from its mounting point when hit by vehicle.

» Motion Support Arm



- ▶ It is a support leg that can be moved with the arm, when it is not possible to use the fixed sitting fork or where an extra pedestrian crossing area is desired.

» Button Control Unit



- ▶ Provides remote control in security huts, security rooms
- ▶ "Entry - Exit - Emergency" modes
- ▶ BT-1 and BT-2 type options



Special Design Protection

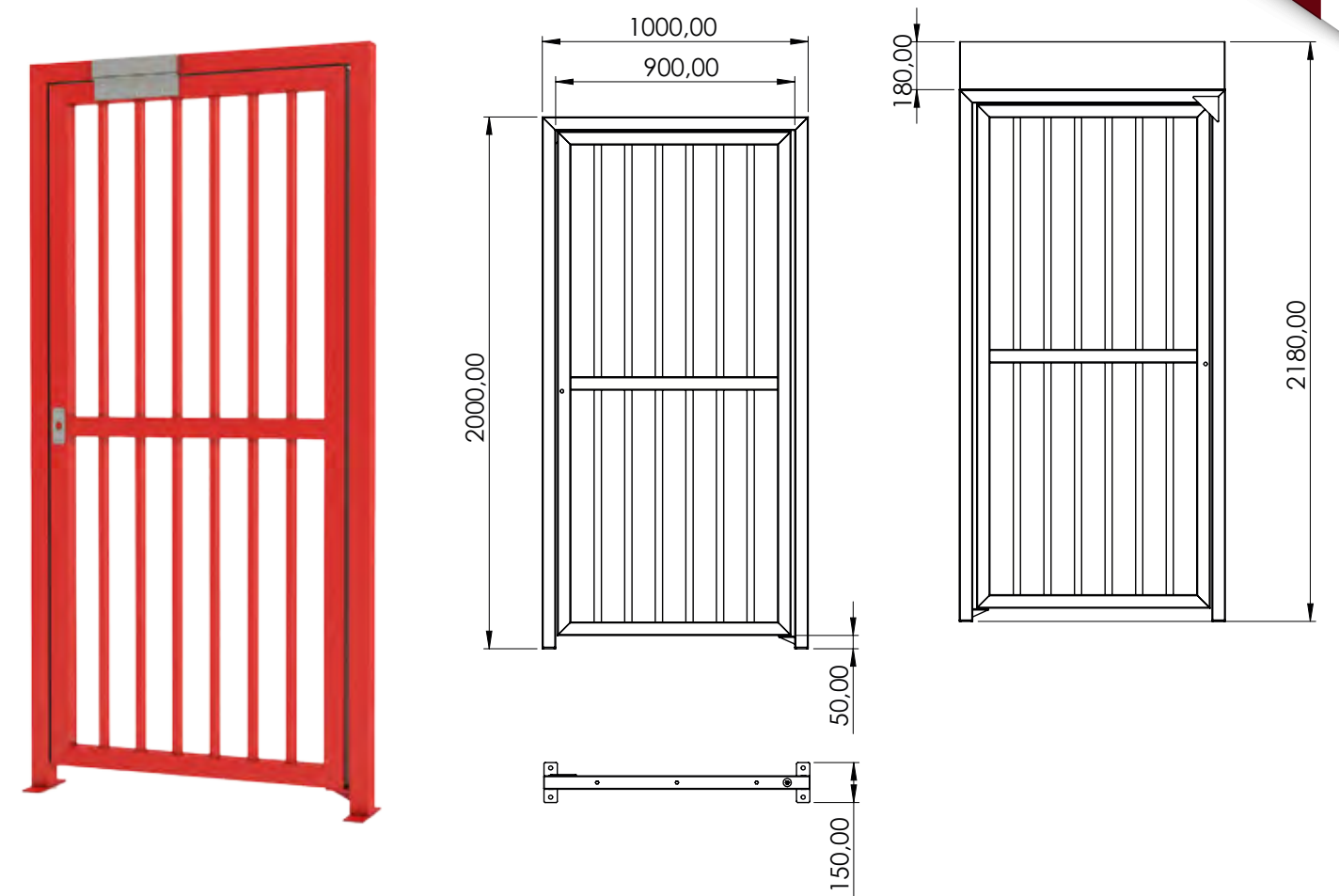


Organizations
Concerts
Festivals

Events
Stadiums
Construction sites

Technical Drawing

Aktüer®



Operating Environment	Indoor, outdoor.	
Operating Intensity	100%, 24/7 use.	
Ody / Wing Feature	It consists of a body built on main carrier box profiles and upper crowns that complement the image. It has a 90°-opening wing structure placed in a frame consisting of box and pipe profiles.	
	Combinations of different material options are available in the table below.	
(*) Surface treatment : Satin sandpaper patterned (ops. electrostatic powder coated on stainless steel)		
Energy Operating Voltage	Standard model is de-energized (ops. 24 V DC for electromagnetic lock).	
Operating Mode	Unidirectional (clockwise or counterclockwise). Wing that can be opened and closed 90° with pushing power.	
Operating System	Mechanical manual movement. Manual locking as standard.	
Emergency Mode	In standard models, the lock is opened manually to create a passage corridor at the entrance and exit. With the electromagnetic lock option; the wing remains free and creates a passage corridor at the entrance and exit, works in harmony with fire warning systems etc. When the emergency is over, the system returns to normal operating mode (if equipped with hydraulic door closer).	
Power Failure	The lock is deactivated, the sash is pushed manually to create a free passage corridor.	
Weight	~60 kg	
Optional Features and Accessories	Wireless remote control (transceiver, if equipped with electromagnetic lock), manual control (if equipped with electromagnetic lock)	

Your Gate to Protection



 export@aktuelturnike.com.tr