Operating instructions

Bidirectional turnstile

ATLX-A, ATLX-B, ATLX-C

Producer/Supplier:

AUTOGARD s.r.o.

Dornych 47, 617 00 BRNO, Czech Republic
tel.: +420 545 214 149, fax: +420 545 214 150
email: autogard@autogard.cz
http://www.autogard.cz

1. Table of contents:

2. Introduction:

Thank you for choosing our Turnstile. All Autogard products are brought to market after long - term tests in most severe conditions.
Used materials and components are top-quality and during the process of design and manufacturing are subjected to many checks and tests.
Our automatic roadblockers were designed for long and almost maintainance-free lifetime.
Our products are manufactured according to respected standards and in full range fulfill technical norms.

3. Purpose of use:

Control of person passing into the restricted interior space. With turnstile may manipulate just understanding, educated or knowledgeable person.

4. Forbidden manipulation:

It is forbidden to burden arm of Turnstile by any weight!

5. Important notice:

Declaration of conformity doesn't relate to read equipment, that could be connect or inbuild into the Turnstile.

6. Basic description of usage:

Bidirectional turnstile ATLX-A, ATLX-B, ATLX-C is equipment serving for movement regulation of person in all sort of spaces like for example administration buildings, sports arenas and so on. Turnstile is intended for intensive continuous running. Control of turnstile is ensure by control unit that enable setting of operating mode. Mechanism of turnstile is placed in the floor. Arm of turnstile are made of polished, grounded stainless tubes or self-contained clear glass.

7. Technical parameters:

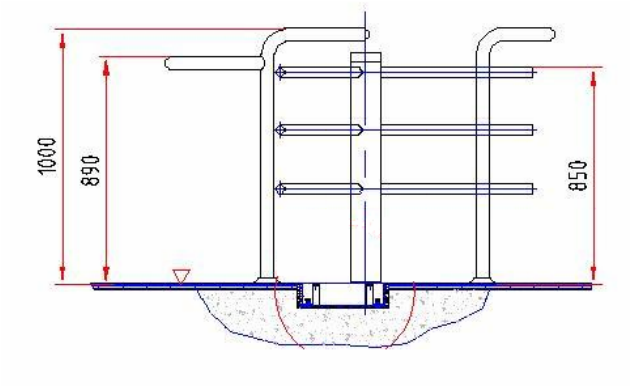
Model	**ATLX-A, ATLX-B, ATLX-C**
Power supply	**13,8V DC, 2A**
Control unit	**13,8V DC**
Power supply of pictograph(4	**13,8V DC**
Control of directions	**A / B / A+B / superior system**
In case of blackout	**free passing or blocked(3**
Absorber	**Hydraulic**
Dimensions	**1550 x 1000 x 1340 mm**
Weight	**65kg(1, 95kg(2**
Running temperature	**-0°C - +50°C**
Average capacity	**15 person/min.**
Max. capacity	**25 person/min.**

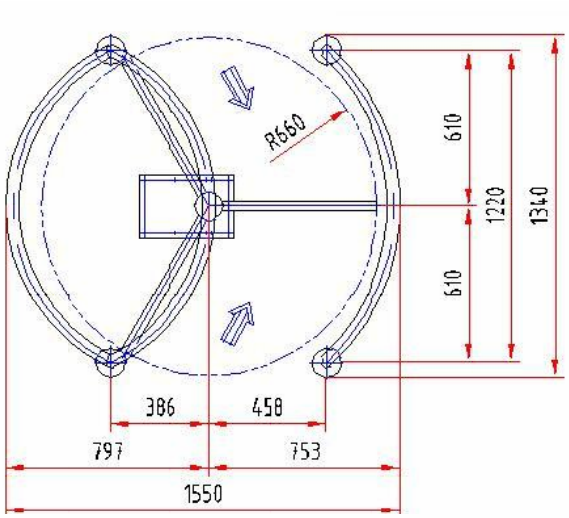
(1 - for ATLX-A, ATLX-B
(2 - for ATLX-C
(3 – according to chosen model
(4 – just for some models

8. Installation of turnstile:

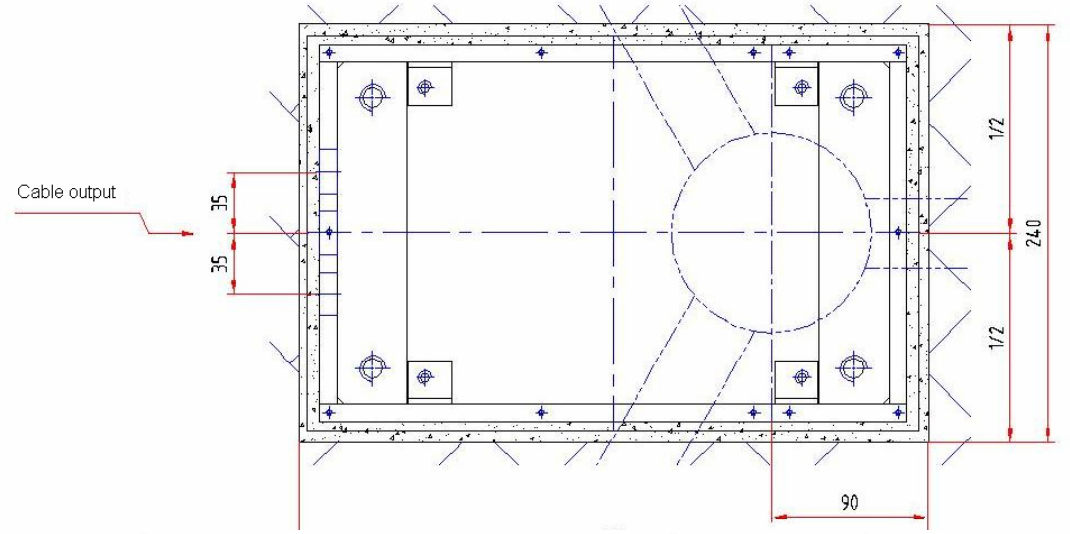
Important notice!:
Turnstile may be install only by knowledgeable person who got through supplier training or by person in co-operation with worker of supplier.

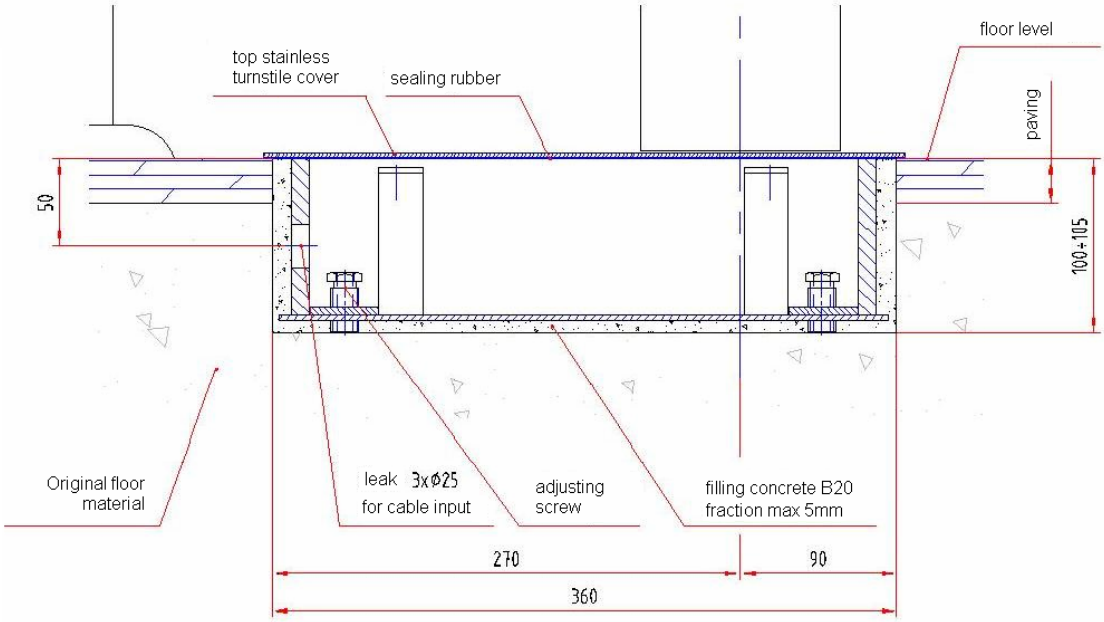
1. Building place must be clean and straight before measured out begin.
2. Axes of turnstile configuration and rest of others componets will be predetermined.
3. Centre of turnstile will be marked and floor pit for mechanism of turnstile (see a picture) will be marked.
4. Centres for boring of leak for handrailing anchorage will be marked.
5. Fix turnstile configuration to the floor.
6. Carry out turnstile circuitry in accordance with the picture below.
7. Control system in accordance with rule in operation.





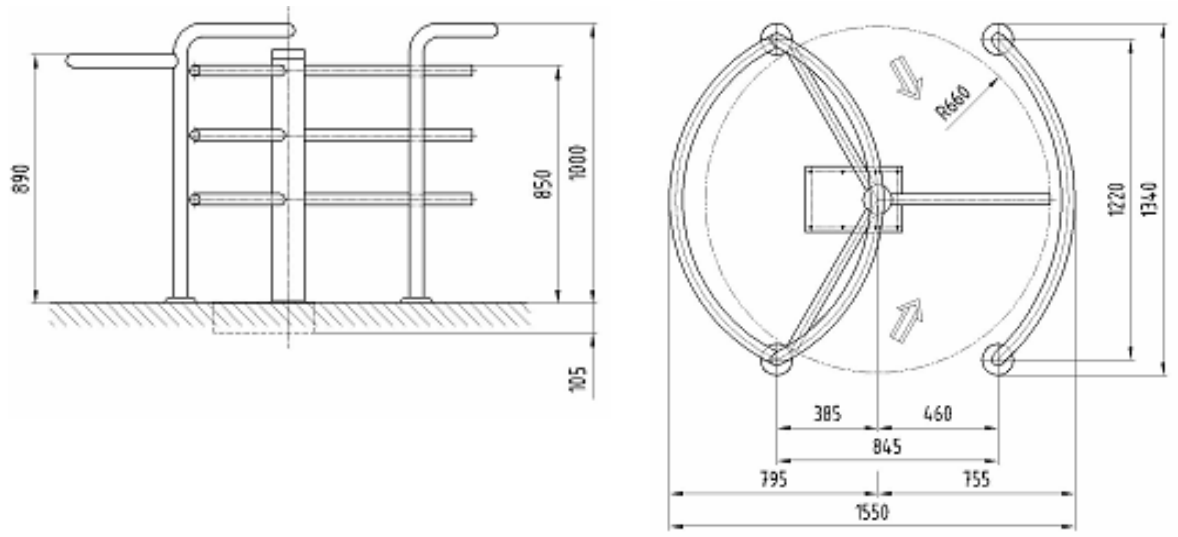
Turnstile floor pit



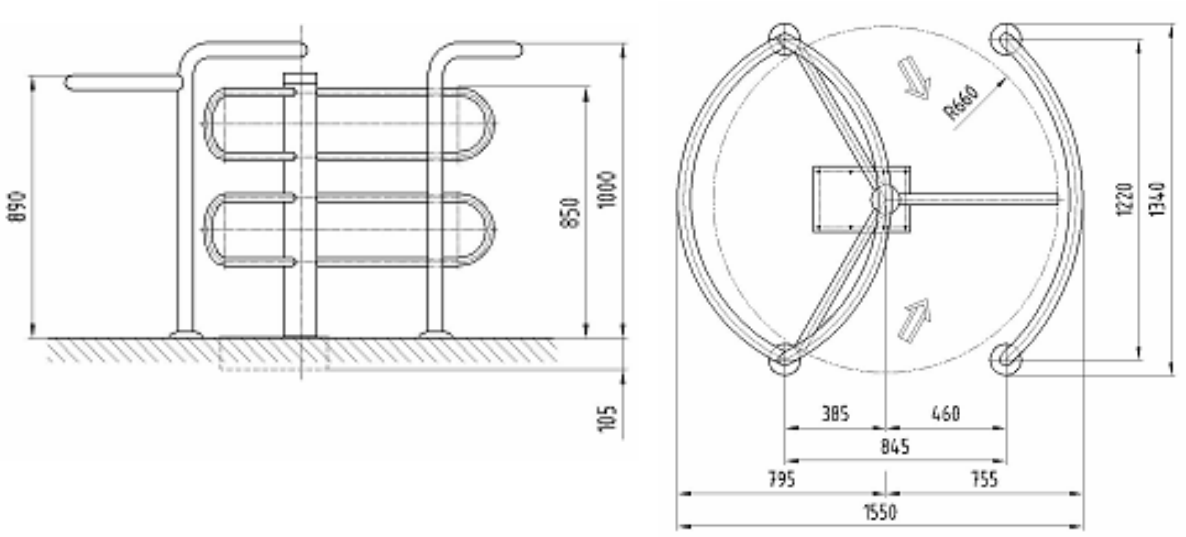


9. Dimension drawing:

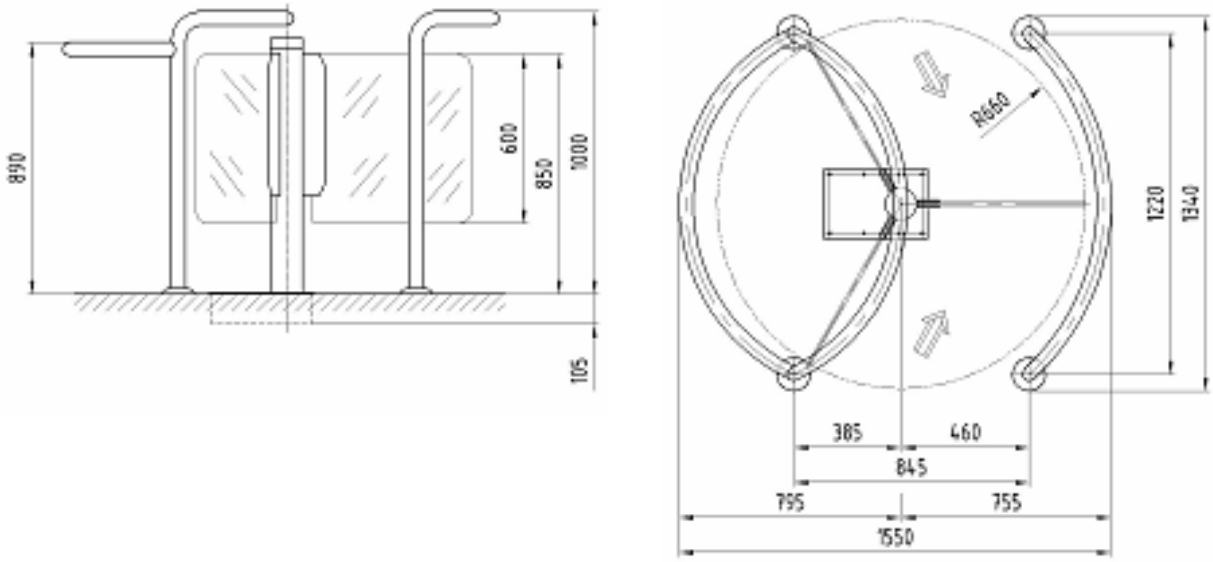
1.1. **Model ATLX-A** (straight arm)



9.1. **Model ATLX-B** (rounded arm)



9.2. Model ATLX-C (glass arm)

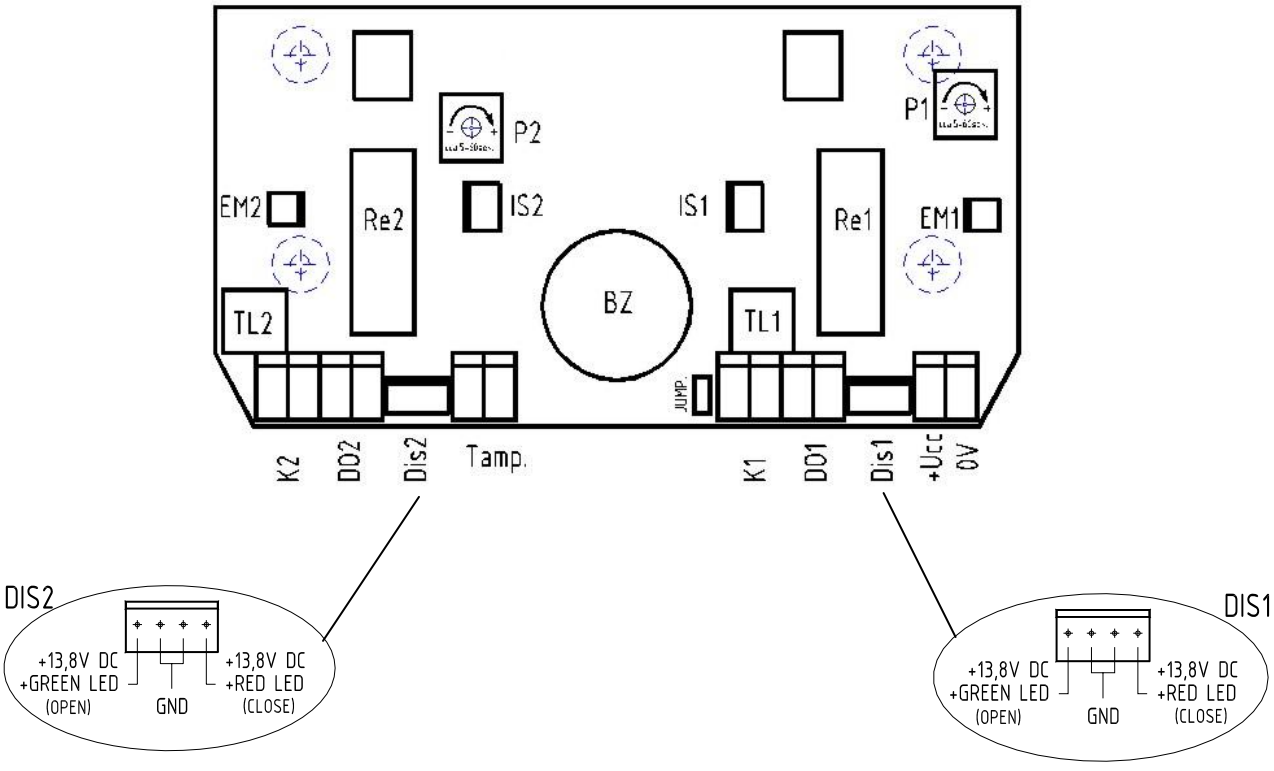


10. Control Unit (CU):

10.1. Basic description of usage

CU is used for turnstile control pursuant to evaluation of control signals. There are control signals, electromagnets and pictogram connected to CU.

10.2. Scheme of CU



10.3. Description of clamps and aligning capacitor

Name	Description
K2	Potencial-free N.O. contact for direction 2 for 1 passage (recommended impulse duration 1sec.)
DO2	Potencial-free N.O. contact for direction 2 for permanent unblock
Dis2	Pictogram interface – direction 2
Tamp.	Ground contact interface (microswitch standardly isn't fill)
JUMP	Mechanical jumper for disconnection/connection of a buzzer which signaling unblocking
K1	Potencial-free N.O. contact for direction 1 for 1 passage (recommended impulse duration 1sec.)
DO1	Potencial-free N.O. contact for direction 1 for permanent unblock
Dis1	Pictogram interface – direction 1
+Ucc	Turnstile power supply +13,8V DC
0V	Turnstile power supply -13,8V DC
P2	Time for iterative turnstile blockage after K2 entrance activation
P1	Time for iterative turnstile blockage after K1 entrance activation

10.4. Description of clamps – for internal circuits

Name	Description
EM2	Magnet of unlock mechanism – direction 2
IS2	Sensor of mechanism position – direction 2
IS1	Sensor of mechanism position – direction 1
EM1	Magnet of unlock mechanism – direction 1

10.5. Description of buttons placed on the central unit

Name	Description
TL1	Button for magnet unblock – direction 1 passage 1
TL2	Button for magnet unblock – direction 2 passage 1

11. Turnstile emergency unblocking:

In the case of urgency is possible to unblock turnstile in advance direction by the help of clams DO1 and DO2 (alternatively is possible to unblock turnstile by power supply disconnect, then is the turnstile free in both directions).

12. Turnstile maintenance:

Turnstile technical solution use such materials that there is no need of special care during running time. Despite it we suggest to exercise regular control over the mechanism and all connection. Count of control is individual pursuant to local codition. Turnstile maintenance is simple. It is necesarry to carry on all parts in cleanness and prevent gross manual damage or acid attack. In case of any fault we suggest to invite supplier workers for repair.

13. Safety notes for turnstile usage:

Maintain following instruction to prevent any persons injury:

- Turnstile is intended only for passage of person with adequate size of luggage.
- Just one person may passage turnstile in one moment.
- Next person have to keep distance so as not to come to catching of a person or luggage between rotor and turnstile construction. Person have to wait for previous passage is finished.
- Person who is passing turnstile must have absolute control over the luggage. Pulling the luggage behind is in the moment of passage forbidden.
- Person who is passing turnstile can put turnstile in motion by the help of hand. Other parts of body usage is forbidden.
- Turnstile construction doesn't allow passing disabled person, person with abnormal luggage, person on bicycles and person with buggy. For those persons is necesarry to build up single entrance.
- Persons with limited possibility of movement have to pass the turnstile with caution.

14. ES – Declaration of conformity:

1) **Us**

AUTOGARD spol. s r.o.
Dornych 47
617 00 Brno - CZ
IČ: 49446053

hereby declare,

that the following product on the basis of it's conception and construction corresponds to basic safety requirements of European regulations. Changing features of this product without the manufacturer's consent results in expiring of this declaration of conformity.

Name:	**Bidirectional turnstile**
Type:	**ATLX-A, ATLX-B, ATLX-C**
Technical parameters:	**13,8V DC, 2A** **1550x1000x1340 mm** **arm lenght: 660 mm**
Producer/Supplier:	**AUTOGARD spol. s r.o.,** **Dornych 47, 617 00 Brno - CZ**

Description and purpose of use:
Bidirectional turnstile ATLX-A, ATLX-B, ATLX-C is determined for the regulation of people motion in different spaces (e.g. commercial building, sports facility etc.). The turnstile can be used for intensive continuous operation both outdoor and indoor.

Regulations:
Decree of the government num. 17/2003 Sb. (Direction 2006/95/ ES),
Decree of the government num. 616/2006 Sb. (Direction 2004/108/ ES),
Decree of the government num. 24/2003 Sb. (Direction 98/37/ES),

Technical norms and specifications:
ČSN EN 60204-1:2000, ČSN EN 61000-6-4 ed2:2007, ČSN EN ISO 12100-1:2004, ČSN EN ISO 12100-2:2004, ČSN EN 953:1998,

The product is safe on condition of the common and determined usage.
The producer has taken actions in order to ensure the conformity of all launched products with the technical documentation and requirements of the decrees of the government (European Directives) mentioned above.

Brno, 17.4.2009	Ing. Milan Plhák	
.....	.....	.....
Date, place of issue	Responsible person	Signature

15. Completeness and quality certificate

The device is complete with full accessories and equipment, with no malfunctions and conforms to valid norms.

Type	**ATLX-A**	**ATLX-B**	**ATLX-C**
Serial Number			
Tested by			

16. Certificate of warranty:

Product: Bidirectional turnstile ATLX-A, ATLX-B, ATLX-C + accessories supplied by AUTOGARD spol. s r.o.

Producer/Supplier: AUTOGARD spol. s r.o., Dornych 47, 617 00 BRNO

AUTOGARD spol. s r.o.
Dornych 47, 617 00 Brno
Tel.: 545 535 462, Fax: 545 535 465
DIČ: CZ49446053

In Brno, date .....

.....
Signature and stamp

Warranty duration

Manufacturer, AUTOGARD spol. s r. o., is responsible for the construction, materials used, type of manufacture and functionality of supplied equipment for 24 months after delivery to the customer.

Warranty conditions

The equipment has to be used in conditions and for the purpose it was designed for. Damages caused by attrition and misuses will not be considered as warranty. Also damages caused by third parties, coincidence, vis maior and inconvenient storage. Manufacturer's prior consent is necessary for any adjustments or alterations of the equipment.

Warranty expiry

a/ warranty time expiration
b/ repair or adjustment of equipment or it's components besides authorized warranty service
c/ connection to power supply which doesn't match the requirements of regulations and technical norms
d/ use of non original components
e/ payment after due date

Warranty to be claimed by the manufacturer. It is necessary to show certificate of warranty.