

DATASHEET

Electromechanical fail safe
single-leg tripod turnstile
T3-NO-BF SERIES



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1. INTRODUCTION

Turnstile is designed to control the flow of people at checkpoints. Number of turnstiles to ensure quick and convenient passage shall be determined based on the calculation of the turnstile throughput capacity. It is recommended to install one turnstile per 500 people working in one shift, or on the basis of peak load of 30 people per minute.

In terms of resistance to climatic factors, turnstile corresponds to exploitation indoors, with artificial regulation of climatic conditions.

Turnstiles may be operated at an ambient temperature of +1 to +40 °C and a relative humidity of 80% at 25 degrees (without condensation).

The following turnstile models are available:

T3-NO-SF – fail safe single-leg tripod turnstile;

T3-NO-BF – fail safe enlarged double-leg tripod turnstile;

T3-NO-W – fail safe wall-mounted tripod turnstile;

Turnstiles can be of various designs:

without built-in readers (tripod turnstile – v.1, counter turnstile – v.1.1, STOP-COVID counter – v.1.2);

with built-in readers (autonomous module – v.2, autonomous checkpoint v.2.1 etc.).

Turnstiles with readers in the basic configuration support EM Marine (EM) or Mifare 1K (MF) standard cards subject to customer approval.

Turnstiles can be equipped with additional functions (including universal or specialized readers, fingerprint or barcode scanners, sensors for unauthorized passage, etc.) according to the customer's technical requirements.

Turnstiles correspond to safety requirements and the harmlessness, stated in the General Product Safety Directive 2001/95/EC, Directive 2014/30/EU Electromagnetic Compatibility (Appendix II, Module A), Radio Equipment Directive 2014/53/EU and in the Directive 2011/65/EC (RoHS) with Commission Delegated Directive (EU) 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment. For fulfillment of safety requirements and the harmlessness, specified in the Directive 2014/30/EC following international standards have been applied: EN 61000-6-1:2007, IEC 61000-6-1:2016; EN 61000-6-3:2007/A1:2011/AC:2012, IEC 61000-6-3:2011.

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2. STANDARD SCOPE OF SUPPLY

Turnstile housing – 1 pc.; Housing is supplied disassembled and consists of three parts:

horizontal unit included in the scope of supply – 1 pc.;

universal column with a pre-installed set of metalware for assembly – 2 pcs.;

Turnstile barrier arm – 2 pcs.;

Package – 1 pc.;

Datasheet – 1 pc.;

RC Plate – 1 pc.

Operating manual available on the website www.rusgate.pro

3. SPECIFICATIONS

Housing material	Painted steel
Colour	Gray, light gray
Dimensions without arms	280×325×1075 mm
Dimensions with arms	1180×1105(805)×1075 mm
Width of the blocked passage	1105 (805) mm
Passage width min/max	780 (480) mm / 840 (540) mm
Net weight	61.5 kg
Arms are available	Yes
Anti-panic system	Implemented on the arms using mechanical means
Throughput capacity	30 people per minute
Supply voltage (Direct)	12 V DC
Current consumption, max.	2 A
Power consumption, max.	3 W in standby mode, 24 W when the passage is blocked
Interfaces	Wiegand 26, Wiegand 34, Wi-Fi and RS-485
Number of readers	2 (for turnstiles with readers)
Access card format	Mifare or EM Marine (depending on the customer's request)
Software included in the scope of supply	Yes
Integration with the Physical Access Control System (PACS)	With any Physical Access Control System
Offline mode is available	Yes
Number of users	In autonomous module mode or autonomous checkpoint mode without memory expansion module – 1,500. More than 1,500 with memory expansion module (sold separately)
Unauthorized access control	below the turnstile barrier arm (optional for the T3-NO series)
Number of events	up to 4,000 (additional module is required; it is sold separately)
Operating temperature	From +1 °C to +40 °C
Operating humidity	Not higher than 80%
Protection class/Installation location	IP41/indoors
Insulation class	III
Time before failure (medium)	Not less than 2 million cycles
Average service life	Not less than 8 years
Power supply	Sold separately
Remote	Wired remote with push-buttons is included in the scope of supply. Optional Wi-Fi remote is sold separately. Wi-Fi control is available from an Android device

4. WARRANTY OBLIGATIONS

Warranty period of the product's operation is 24 months from the date of sale by the manufacturer, provided that the consumer complies with all the instructions given in the Operating Manual (posted on the manufacturer's website), and not more than 24 months from the date of product manufacture indicated in the datasheet and on the product label, In case the date of sale is not provided. Date of sale is indicated in the product datasheet.

Warranty conditions provide for the free replacement of parts, assemblies, units, etc., in which a manufacturing defect is detected. Warranty is provided if the product owner complies with the maintenance requirements in accordance with the Operating manual.

Warranty conditions do not provide for transportation costs and the visit of the specialist to the place of product operation with the purpose of its connection, adjustment, repair or relevant consulting.

Post-warranty services are provided at the rates set by the service center. In case of non-warranty repairs, the warranty period for replaced parts and assemblies is 3 months and is calculated from the day the non-faulty product is sent to the buyer.

All claims regarding the quantity, scope of supply and appearance defects of the delivered goods shall be accepted by the manufacturer in writing, not later than 5 (five) business days from the date of receipt of the goods by the buyer. In case of non-observance of the above period, claims to the delivered goods on the listed grounds will not be accepted.

Service center has the right to refuse warranty repair in the following cases:

- if there are defects that appeared as a result of violation by the consumer of the instructions set forth in the Operating manual;
- if the product is not used for its intended purpose;
- if there are signs that the user has changed the product design;
- if there is mechanical damage resulting from exposure to fire, impact or accident, etc.;
- if there is mechanical damage resulting from the product operation in excess of the limits of use and load characteristics declared by the manufacturer;
- if there is electrical damage to the product components and parts obtained as a result of power surges, incorrect connections, incorrect selection of the power cable;
- if there is electrical and other damage to the product components and parts associated with the ingress of water and other liquids;
- if there is damage resulting from vital activity of small animals and insects;
- if there are signs of self-repair outside an authorized service center, as well as defects resulting from the use of non-original spare parts;
- if there are malfunctions resulting from normal wear or the end of the service life of product components (consumables, fuses, and other similar components).

5. STORAGE, MARKING, PACKAGING

Turnstile included in the scope of supply is packed in a protective film and a box of corrugated reboard, which protects it from damage during storage and handling, according to the information signs on the package. Turnstiles can be stored indoors at an ambient temperature of +1 °C to 40 °C and a relative humidity of 98% at 25 °C without moisture condensation.

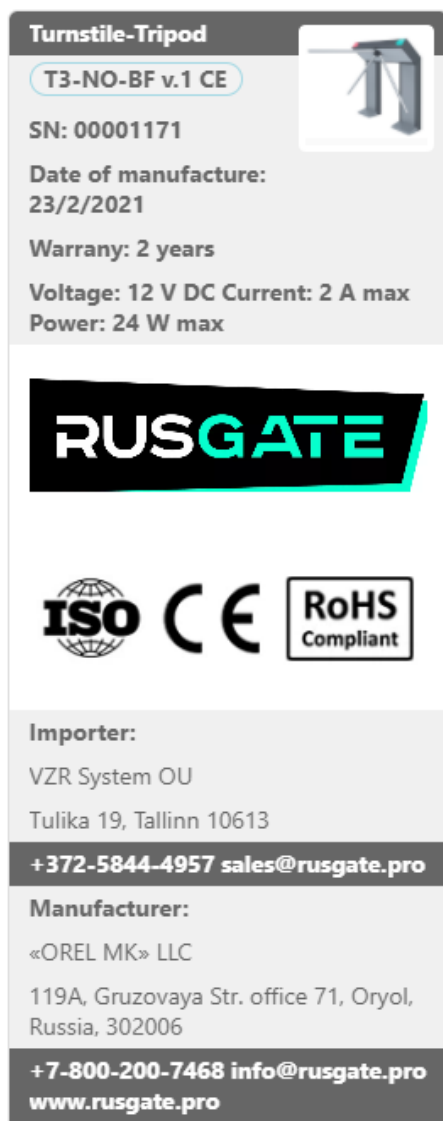
After transporting or storing the turnstile at low temperatures or high humidity, the turnstile shall be kept indoors under normal climatic conditions without the original packaging for not less than 12 hours before commissioning.

For transportation, it is necessary to additionally use transport containers depending on the transportation conditions and distance. Minimum recommendations include the use of palletizing on a Euro pallet with stretch film wrapping to protect against moisture and fixation from dynamic movements. Stacking shall be performed according to information labels on the packaging. It is recommended to use pallet collar packaging as the main transport type of packaging.

Turnstile in the original consumer packaging has:

Overall dimensions (length × width × height) 1150×480×450 mm.

Weight (gross) 67,5 kg.



Turnstiles have physical marking in the form of laminated, moisture-resistant labels located under the front casing. To read information from the label, it is necessary to remove the front casing (pos. 2), having previously disconnected the barrier arms. The label is as follows:

Turnstile marking is duplicated in electronic form and remains unchanged when changing the turnstile firmware version. In the supply state, the turnstile number is indicated in the Wi-Fi code of the turnstile access point. For example, TOE0001171 (where 1171 is the turnstile sequential number). Information is also available through the MasterKart app by pressing the NOM button in the EVENT RECORDING menu (an Android device shall be connected to Wi-Fi turnstile access point).

6. PRODUCTION DATA

Name and model of the product	
Factory number	
Release date	
Controller board version	
Software version	

7. TECHNICAL INSPECTION SUBDIVISION ACCEPTANCE DATA

Inspector	
Signature	
Technical Inspection Subdivision stamp	

8. SALES DATA

The Seller Company	
The Buyer Company	
Date of sale	
Signature of the Seller and company stamp	
Signature of the Buyer	

9. INSTALLATION DATA

Company responsible for installation	
Installation date	
Full name and signature of the specialist	
Signature of the Buyer	