OXGARD
GUARDING THE FUTURE

Operational manual

Praktika T-01 turnstile

ВОЗРОЖДЕНИЕ
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Contents

List of abbreviations

PS – power supply

FA – fire alarm

RC – remote control

ACS – access control system

1. Product purpose

Praktika T-01 turnstile is designed for access control and pedestrian flow management. The turnstile can be used at checkpoints at factories and organizations, institutions, banks, schools, sports and entertainment facilities, shops, railway stations, etc.

To ensure easy and quick passage of people it is recommended to install one turnstile for every 500 people working in one shift.

2. Delivery set

Table 1. Scope of supply

Item	Qty, pcs.
Praktika T-01 turnstile	1
Remote control panel with cable	1
Hatch lock key	2
Base cover with a screw	1
M6x14 DIN933(GOST 7798-70) screw	1
Datasheet	1
Installation guidelines	1
Operational manual	1
SORMAT ***PFG LB*** 12-50* anchor	3
M12x60 DIN912(GOST 11738-84) hexagon screw *	3
Connecting cable PVA 2x1,5*	1

*-optional

3. Basic specifications

Table 2 Basic specifications

Description	**Turnstile**	**RC panel**
Dimension (HxWxL), (mm) - operational state - folded arms	 1200x790x850 1200x200x350	 107x107x25
Weight, kg	44	0,5
Temperature range, 0C - operation - transportation and storage	 +1...+40 +1...+40	 +1...+40 +1...+40
Atmosphere relative humidity, no more than %	80	80
Passage width, mm	500	
Throughput, people per minute	30	
Max. number of connected RC panels, pcs	2	
Lifetime, years	8	8

Table 3 Electrical specifications

Description	**Turnstile**	**RC panel**
Supply voltage, V: - nominal - working	 12,0 10,8...13,2	 12,0 7,5...15
Average current in standby mode * A	0,25	
Average current operational mode * A	1,5	

Maximal current *A (during “antipanic” mode activating)	5,0	

*- values mentioned at a nominal supply voltage

The manufacturer reserves the right to change the packaging, specifications and appearance without notice

4. Product design

Turnstile housing

Turnstile housing and arms are made of brushed stainless steel. In the middle part of the housing there is a removable cover with lock for quick access to the motherboard where PS, RC and ACS cables are connected. In the lower part there are holes for cable routing and base cover concealing the fixation of turnstile to the floor (Fig. 1).

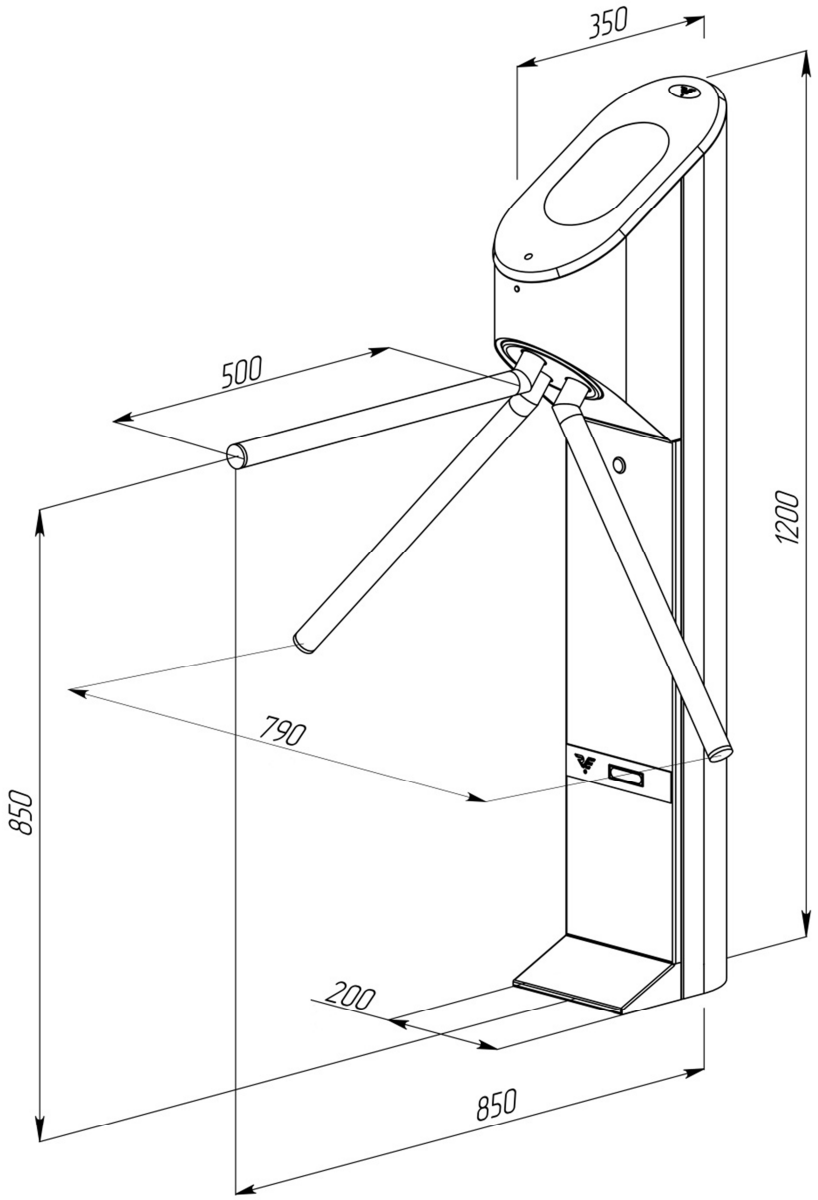

Fig. 1 General view of turnstile

LED panel

Display panel of the turnstile is made of artificial stone with an insertion made of acrylic glass. Turnstile operating modes are displayed on the panel in the form of mnemonic signs depicting authorization and non-authorization of passage (Fig. 2).

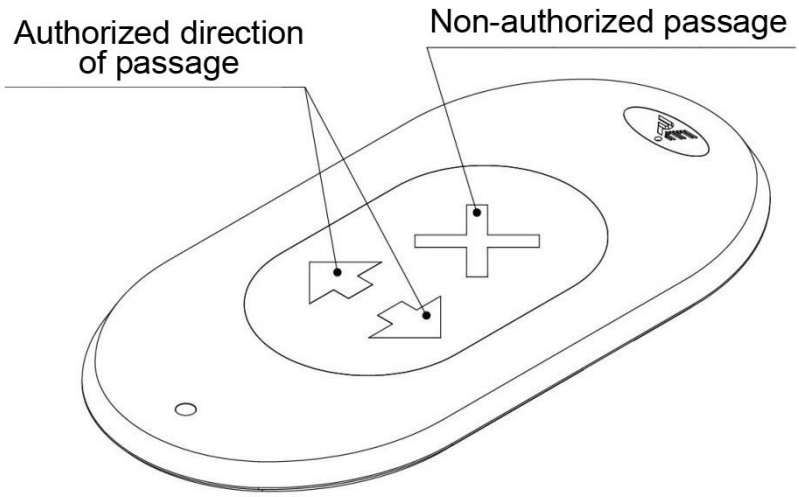

Fig. 2 General view of LED panel

Remote Control Panel

The housing of RC panel is made of polished stainless steel. On the front side there are control buttons and LED indicators of RC operational modes (Fig. 3). The standard supplied cable is 5 m long.

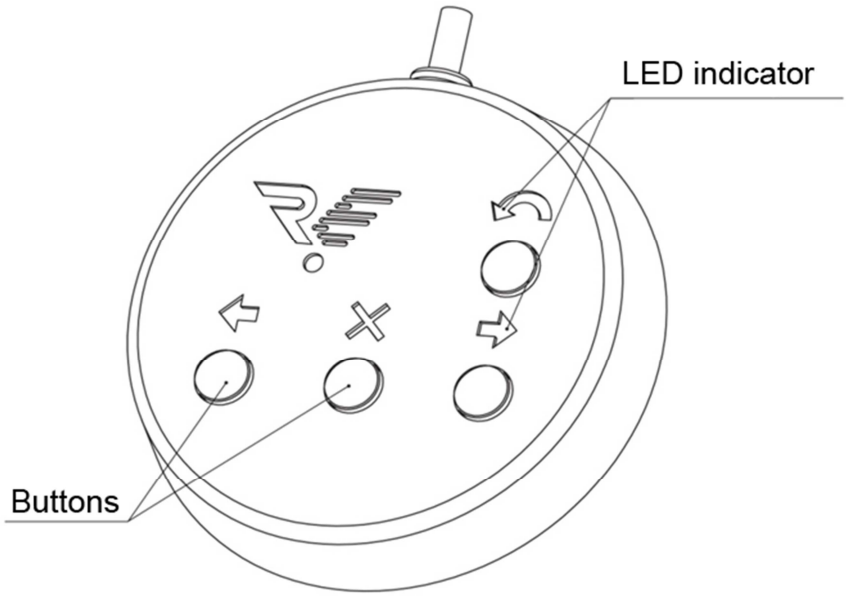

Fig. 3 General view of remote control panel

5. Transportation and storage

Turnstile in its original packaging shall be transported by air, by road and by railroad with protection from direct exposure to rain and dust without range limitation. It is allowed to stack boxes in 2 rows during transportation and storage if Euro-pallets are used. Keep the turnstile in dry (no moisture condensation) heated places within +1 to + 40 °C temperature range. Avoid vapors of acids, alkalis, and corrosive gases at the storage place. Storage of turnstile in the original package in a dry unheated premises or closed transport containers is permitted for short periods, no more than 3 days. Before startup, the turnstile must be kept in a room with normal climate conditions for 12 hours after storage in unheated rooms. Packaging dimensions 460x300x1250 mm (HxWxL)

6. Safety requirements

CAUTION! Failure to comply with the safety requirements specified in this section may result in damage to human life and health, total or partial loss of workability of products and (or) auxiliary equipment.

CAUTION! Installation of turnstile must be carried out by qualified personnel according to the instructions.

CAUTION! The producer disclaims any liability for damage to human life and health, total or partial loss of workability of products and (or) auxiliary equipment for non-compliance of the safety requirements specified in this section, as well as terminate the product warranty.

IT IS NOT ALLOWED TO:

- Set the power supply inside the case of turnstile as this could lead to electric shock to persons;
- Set the turnstile other than in dry and heated places;
- Impede or accelerate the turnstile arms during “antipanic” mode;
- Apply chemically aggressive cleaning detergents (as pastes and liquids) to the materials of the housing.

7. Turnstile operation

7.1. Turning on

Connect power supply unit to 220V power network and turn it on. Turnstile will make one complete arms circle. One arm will set in the initial position, red cross indicator will turn on on the LED panel (Fig. 2), button 2 on RC panel (Fig. 3) will turn red. The turnstile is ready for operation.

7.2. Operating modes

The turnstile has several modes of operation. The desired mode is set by using RC panel or ACS. Operational modes displayed on the panel in the form of mnemonic signs depicting authorization and non-authorization of passage. Operation by ACS is described in the installation guidelines. This section describes operation by RC panel. General view of RC panel is shown in Fig. 3.

The "Stop" mode

"Stop" mode is set when the turnstile is turned on. Switch from another mode to "Stop" is performed by pressing button 2, in this case LED indicator above button 2 turns red. In this mode the passage is non-authorized in both directions. Central arm can be deflected from its initial position on a small angle. The stopper will be turned on automatically and

will not let the arm to rotate for passage, and then the arm will return to its original state.

Single passage mode

Button 1 (3) turns on single passage mode to the left (right). This mode allowes one pass to the left (right) with a subsequent changing to "Stop" mode. Green arrow indicator turns on on the display showing a free passage to the left (right). Green LED indicator on the RC panel turns on above the button corresponding to the authorized passage and a red indicator - above button 2. If the passage is not performed within 5 seconds, the turnstile switches to "Stop" automatically.

Multiple passage in one direction mode

In order to switch to this mode press and hold button 2 and then press button 1 (3). After that release both buttons. Multiple pass mode is displayed on the RC panel by green light above the button 1 (3). Red LED indicator above button 2 is off. Arrow indicator on the LED panel shows the direction of the authorized passage. In this mode the passage is allowed in the authorized direction for an unlimited number of times. It is also possible to authorize a single pass into the non-authorized direction by pressing button 1 (3). After this passage or within 5 seconds turnstile will return to the original mode.

Free passage mode

In order to switch to this mode it is required to press and hold button 1, then press 3 and release both buttons. In this mode passage is allowed in

both directions for an unlimited number of times. Arrow indicators on the LED panel blink in both directions. Green LED indicators on the RC panel turn on above the buttons 1 and 3.

"Antipanic" mode

This mode is turned on by pressing button 4 while in any other mode.

Red cross indicator on the LED panel blinks for a few times and then the turnstile begins rotating and folding arms. In this mode the turnstile folds all the arms; arrow indicators on LED panel flash for both direction. Yellow LED indicator on the RC panel turns on above the button 4.

7.3. Adjustment of remote control panel.

Turnstile can be set in various directions in relation to the user. In some cases it is needed to reverse left / right passage buttons. This can be done by the following operations:

- Power off the turnstile;
- Press and hold left (1) and right (3) buttons;
- Turn on the turnstile;
- Press button 2 while still holding buttons 1 and 3;
- Release buttons 1 and 3;
- Release button 2.

Now when you click left button passage will be allowed to the right and vice versa. The current functions of the buttons are saved and do not reset when power is turned off. In order to return to the initial modification re-do the above sequence.

8. **Troubleshooting**

Table 4. Troubleshooting

Fault:	**Remedy:**
PS unit is connected, but the turnstile does not work	Check the connection cable; Check fuses on the motherboard
RC does not work	Check the RC connection; If +12 and GND contacts are connected properly try to interchange positions of CL and CH;
Turnstile works fine, but arms do not rotate when in "antipanic" mode	Check the supply voltage on the connectors of motherboard. If "antipanic" mode is on and voltage is lower than 10V, the motor will not work.
RC unit displays the status of the turnstile, but the turnstile does not respond to buttons pressing.	Check jumper J2 on the motherboard (the jumper must be removed. See article 5.4 of Installation guidelines)

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