



VOZROZHDENIE LLC

OKPD 2 26.30.50.110

TU 26.30.50-007-33120038-2017

APPROVED BY

VZR.2515.001

**TRIPOD TURNSTILE
CUBE C-05,C-05-2R MODEL**

**VZR.2515.001OM
OPERATION MANUAL**

40sheets

2021

TABLE OF CONTENTS

1	Description and operation	4
1.1	Product description and operation	4
1.2	Description and operation of the universal control panel UCP 02	8
2	Intended use.....	10
2.1	Operating limits	10
2.2	Preparing the product for use	11
2.3	Product operation	15
2.4	Emergency procedures	19
3	Maintenance	20
3.1	General instructions.....	20
3.2	Safety precautions.....	20
3.3	Product maintenance procedure.....	21
3.4	Visual inspection of the product.....	22
3.5	Partial disassembly of the product.....	22
3.6	Checking the product assemblies.....	24
3.7	Lubricating moving parts of the product mechanism.....	24
3.8	Product assembly and testing.....	25
4	Routine repairs.....	26
4.1	Routine repairs of the product	26
4.2	Routine repairs of the product components	26
4.3	Malfunctions during warranty period	27
5	Storage	28
6	Transportation.....	29
7	Disposal.....	30
	APPENDIX A — Distributors and service centers	31
	Abbreviations.....	37

This Operation Manual (OM) applies to Oxgard CUBE C-05,C-05-2R tripod turnstile and its modifications (hereinafter referred to as the product). Product firmware version:

FW C-10.

The manufacturer reserves the right to change configuration, technical characteristics and appearance of the product without further notice

Before using the product, please read the Logbook VZR.2515.001 LB as well.

This OM is a document certifying the product's basic parameters and characteristics guaranteed by the manufacturer.

The Operation Manual is designed to instruct the user on the principle of operation, structure of the product to correctly operate the product, fully utilize its technical capabilities and maintain its constant readiness for operation.

1 DESCRIPTION AND OPERATION

1.1 Product description and operation

1.1.1 Oxgard CUBE C-05,C05-2R tripod turnstile is designed to control access and manage people traffic separating it in one-by-one manner.

The product can be used at checkpoints of enterprises, organizations and banks, in educational institutions, sports and entertainment facilities, shops, railroad stations and other institutions.

To ensure convenient and fast passage of people, it is recommended to install one product per 500 people working during one shift.

1.1.2 The product structure is provided in Table 1.

Table 1 – Product components

Product designation	Product	Quantity	Note
Tripod Turnstile	CUBE C-05,C-05-2R	1	
BCP 01*	Basic control panel 01	1	
UCP 02 *	Universal control panel 02	1	
Power supply source*		1	
Barrier section set*	Praktika barrier	1	



Note - Product components marked with (*) are optional.

1.1.3 The product specifications are given in Table 2.

Table 2 – Product specifications

Parameter	Value
Overall dimensions (HxWxL), mm: - in operating condition - with folded barrier arms	1015x790x767 1015x255x264
Weight, kg	35.0
Temperature range, °C: - operation - transportation and storage	+1...+40 +1...+40
Relative air humidity, %, max.	80
Width of formed passage, mm	565-595
Throughput, persons/min	30
Max. number of connected control panels, pcs.	2
Service life, years	8
Supply voltage (direct current), V: - rated - operating	12.0 10.8...13.2
Average current in standby mode*, A	0.7
Average current in passage mode*, A	0.7
Maximum consumed current*, A	1.5



Note - * Values of current are given for nominal supply voltage

1.1.4 Product structure.

The turnstile body is made of painted and polished stainless steel and the barrier arms are made of polished stainless steel.

The turnstile stand has a removable stainless steel plate for quick access to the place where control cables are laid down. A hole is provided in the bottom part of the turnstile stand to input these cables. The control board located under the removable cover in the block of barrier arms is used for connection of the PSU, CP and ACS cables.

Figure 1 – the base cover (secured with a double-sided adhesive tape) hides the turnstile fixation to the floor.

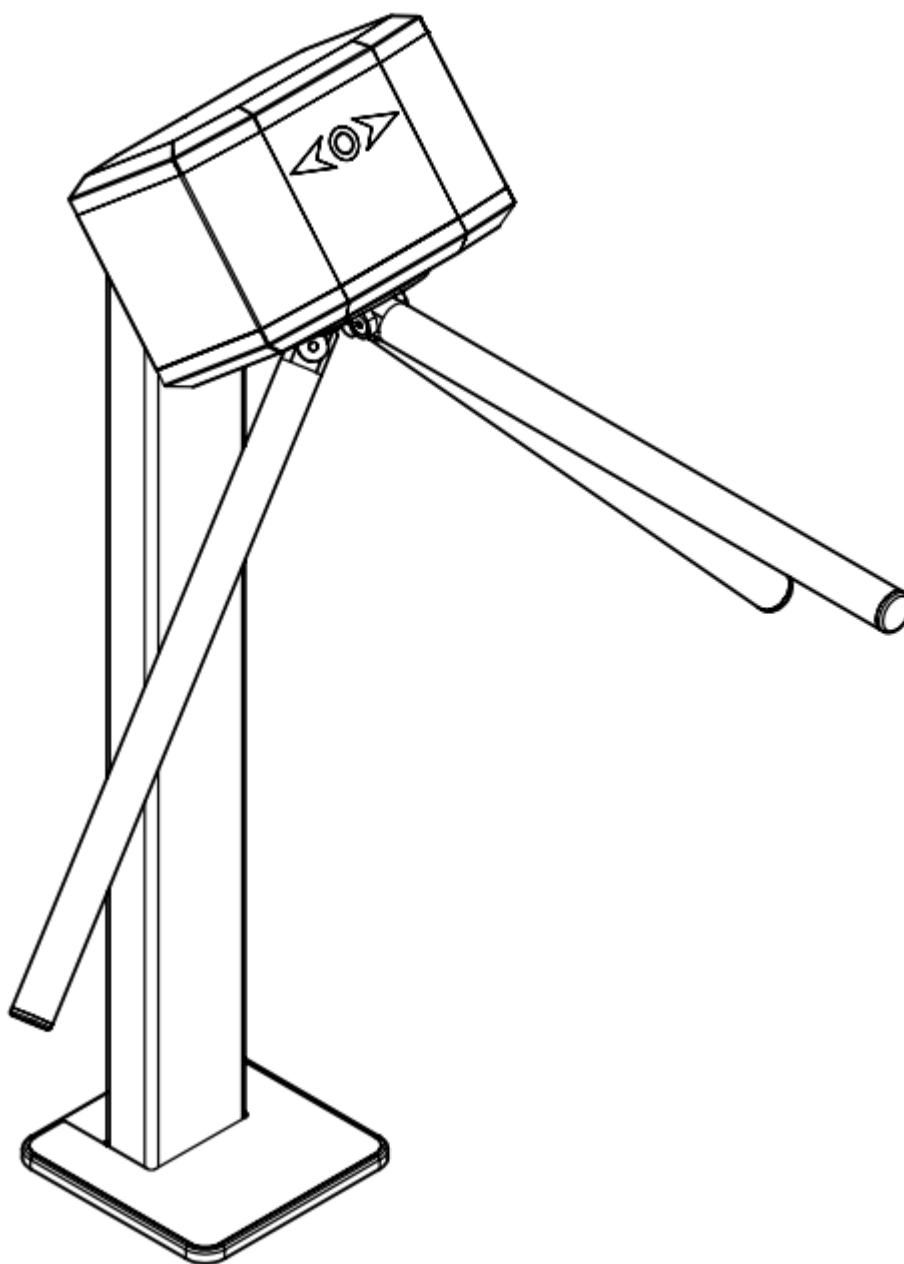


Figure 1 – General view of the turnstile

1.1.5 Indication system

The indication panel is located at the upper part of the turnstile behind the insert made of acrylic glass. Figure 2 – the operation modes of the turnstile are displayed on the panels in the form of mnemonic signs depicting authorization and non-authorization of passage.

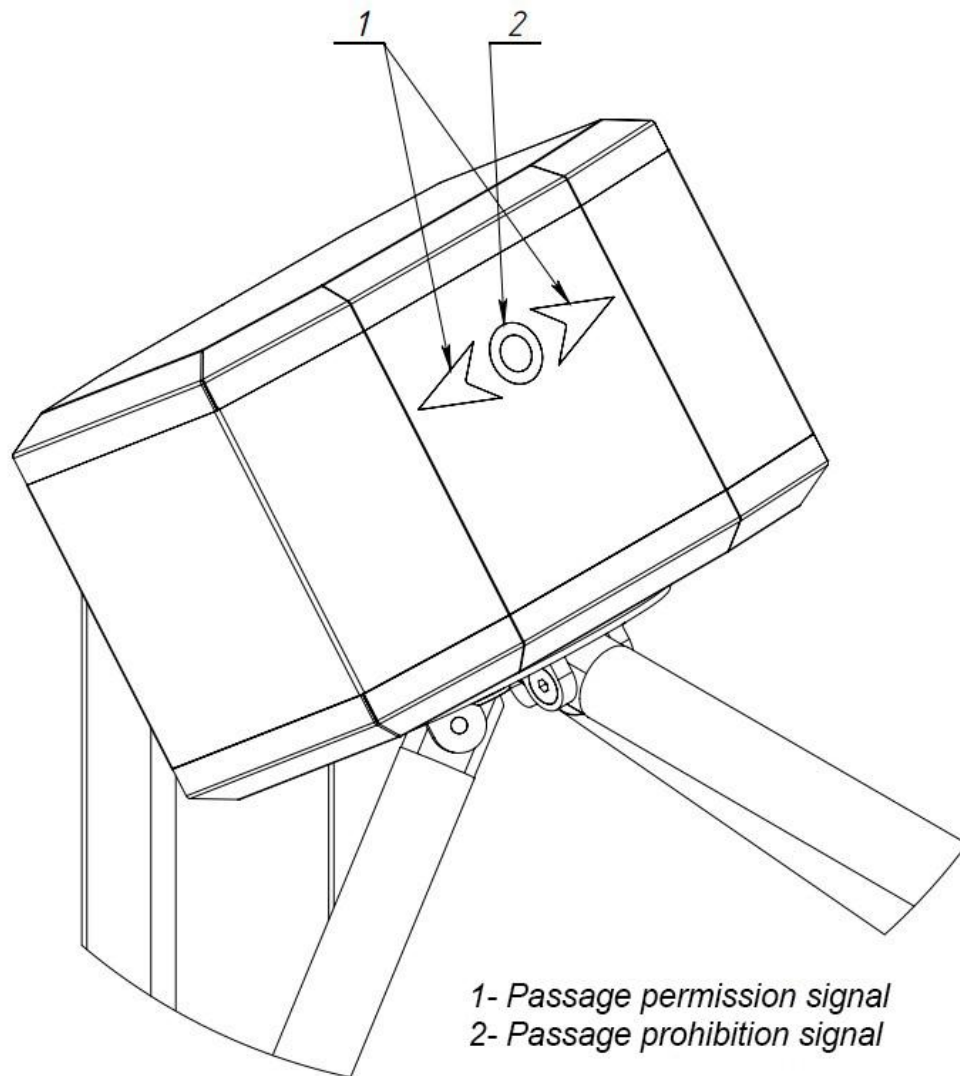


Figure 2 – Appearance of the indication panel

1.1.6 Marking contains manufacturer's trademark, designation, and serial number.

1.2 Description and operation of the universal control panel UCP 02

Universal control panel UCP 02 control panel is designed for controlling Oxgard turnstiles.

1.2.1 The housing is made of stainless steel and the control buttons and operating mode LED indicators are located on the front side. The specifications are given in Table 3.

Table 3 – Product specifications

Parameter	Value
Overall dimensions (HxWxL), mm	25X107x107
Weight, kg	0.5
Temperature range, °C: - operation - transportation and storage	+1...+40 +1...+40
Relative air humidity, %, max.	80
Service life, years	8
Supply voltage (direct current), V: - rated - operating	12.0 7.5...15.0

1.2.2 Design features:

- 1) Possibility to connect two control panels to one turnstile;
- 2) High noise immunity;
- 3) Standard length of the cable included in the package is 5 meters.

2 INTENDED USE

2.1 Operating limits



ATTENTION: FAILURE TO COMPLY WITH THE SAFETY REQUIREMENTS SPECIFIED IN THIS SECTION CAN RESULT IN DEATH AND DAMAGE TO HEALTH, COMPLETE OR PARTIAL LOSS OF PERFORMANCE OF THE PRODUCT AND/OR AUXILIARY EQUIPMENT.



ATTENTION: THE TURNSTILE SHOULD BE INSTALLED BY QUALIFIED SPECIALISTS ACCORDING TO THE INSTALLATION MANUAL.



ATTENTION: MANUFACTURER WAIVES ANY RESPONSIBILITY FOR DEATH AND DAMAGE TO HEALTH, COMPLETE OR PARTIAL LOSS OF PERFORMANCE OF THE PRODUCT AND/OR AUXILIARY EQUIPMENT IF USER FAILS TO COMPLY WITH THE SAFETY REQUIREMENTS SPECIFIED IN THIS SECTION, AND ALSO VOIDS THE PRODUCT WARRANTY.



DO NOT:

INSTALL THE POWER SUPPLY UNIT INSIDE THE TURNSTILE HOUSING AS IT MAY RESULT IN ELECTRIC SHOCK TO PERSONS.

INSTALL THE TURNSTILE OUTSIDE DRY AND HEATED ROOMS.

PREVENT OR ACCELERATE MOVEMENT OF THE TURNSTILE BARRIER ARMS.

APPLY PASTES AND LIQUIDS CHEMICALLY AGGRESSIVE TO MATERIALS OF THE HOUSING WHEN CLEANING THE PRODUCT.

2.2 Preparing the product for use

2.2.1 Safety measures during product preparation



ATTENTION: TO AVOID INJURIES AND BLOCKING OF THE TURNSTILE, BEFORE CONNECTING THE TURNSTILE, CLEAR THE BARRIER ARMS ROTATION AREA FROM PEOPLE AND FOREIGN OBJECTS.

2.2.2 Rules and procedures for visual inspection of the product

Visual inspection of the product before connecting it to the mains shall be obligatory and include:

- 1) check for product housing mechanical damage: cracks, through holes resulted from fasteners drop-out;
- 2) thorough inspection of all connections of the product.

2.2.3 Turning on the product.

Connect the PSU to ~220 volts mains and turn it on. The red cross on the indication panel of the turnstile will light up, prohibiting the passage, the LED indicator of the button (Figure 5 – 2) located on the CP will become red. One of the barrier arms is in the blocking state that prohibits the passage.

The turnstile is ready to work.

2.2.4 Visual inspection and verification of the product readiness for use:

Figure 3 – possible free travel of the barrier arm, it makes 6 degrees on each side in STOP mode.

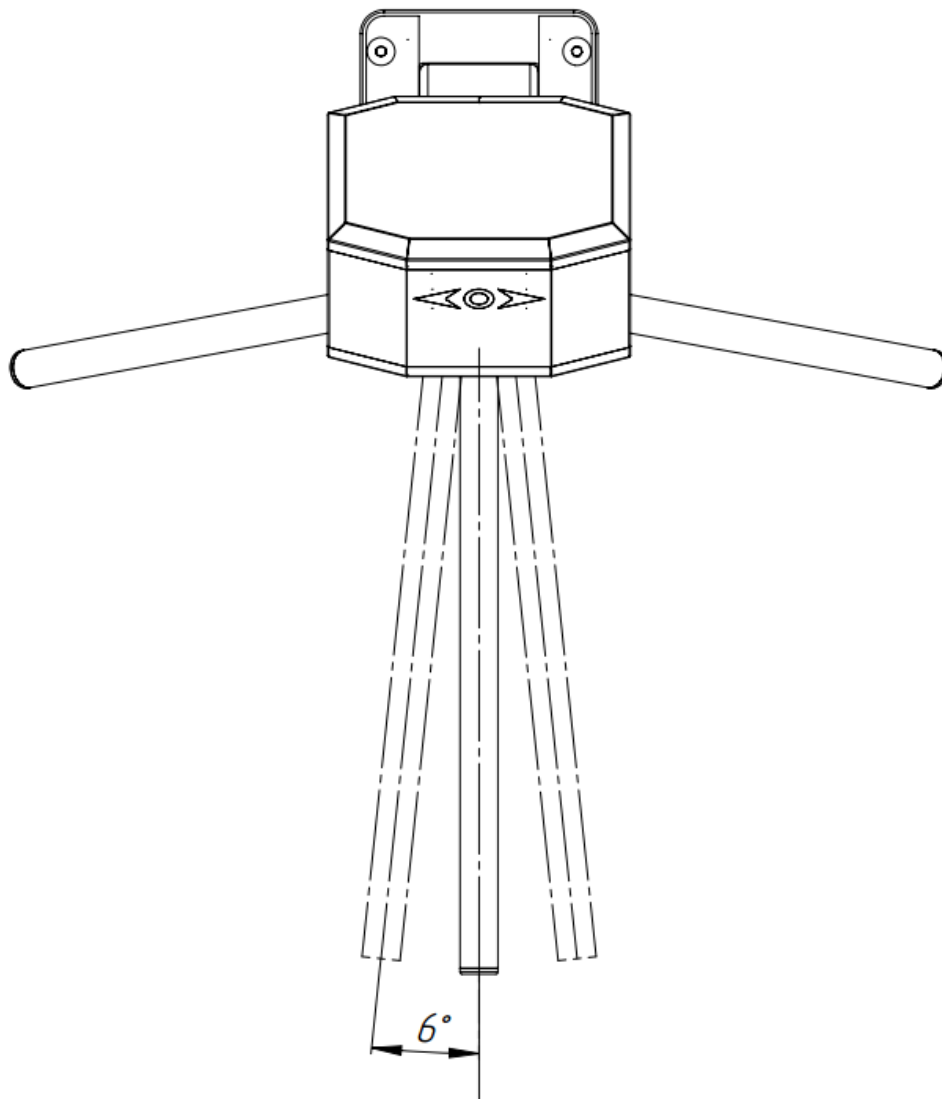


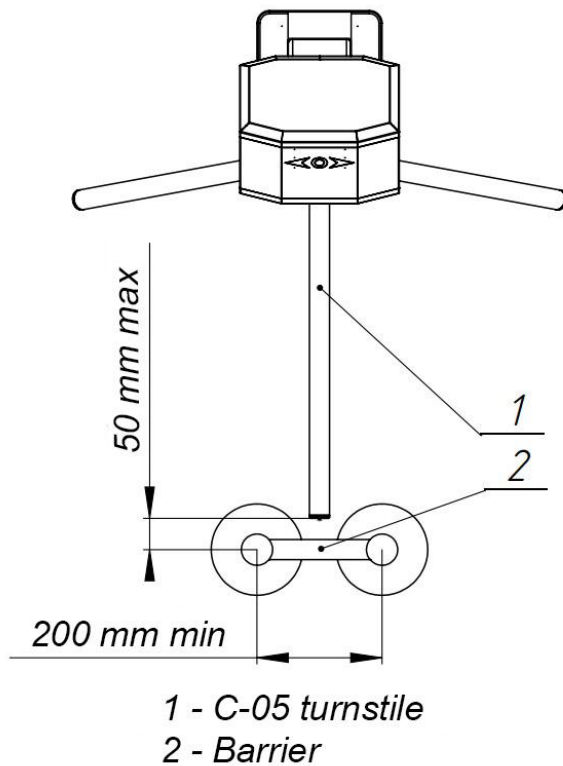
Figure 3 – Possible free travel of the barrier arm in "STOP" mode

2.2.5 Guidelines on product orientation.



ATTENTION: THE PASSAGE ZONES SHALL BE ARRANGED TO ALLOW RECORDING OF PASSAGES DURING TURNSTILE OPERATION UNDER ACS CONTROL AND TO AVOID UNAUTHORIZED PASSAGES.

Recommended scheme



Not recommended scheme

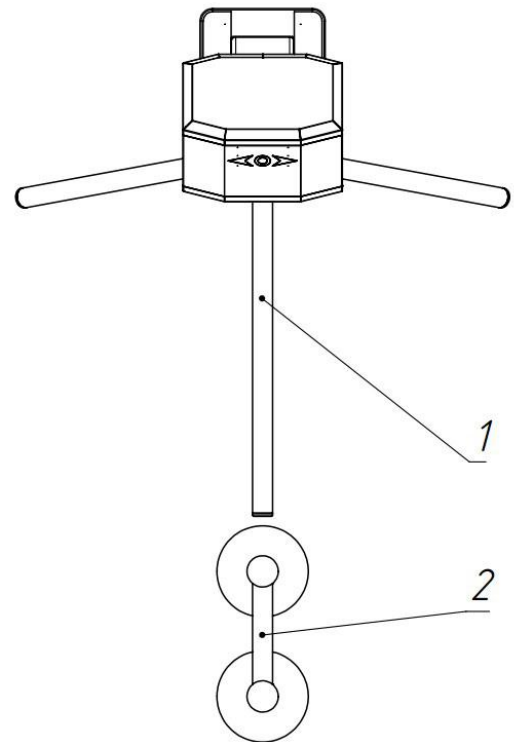


Figure 4 – Turnstile passage zone arrangement.

2.2.6 Control panel appearance

Figure 5 – control buttons 1 (LEFT), 2 (STOP), 3 (RIGHT), 4 (ANTIPANIC) and LED indicators of the product operating modes.

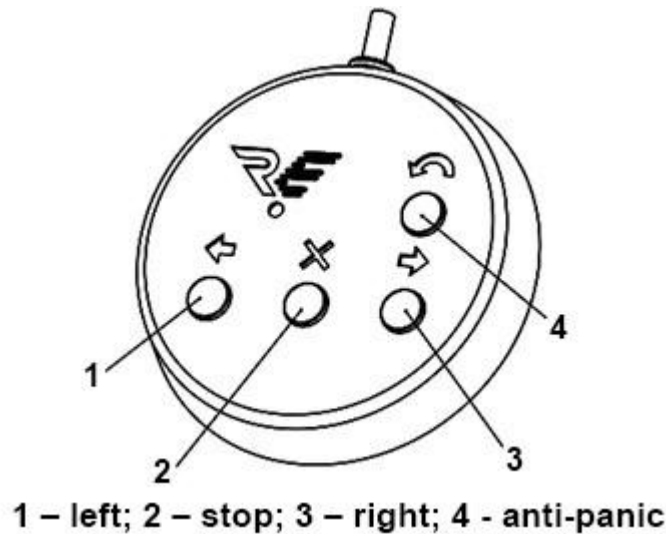


Figure 5 – Control panel appearance

2.3 Product operation



ATTENTION: TO USE THE FULL SPECTRUM OF SETTINGS WITH USING THE CONTROL PANEL, A UNIVERSAL CONTROL PANEL UCP 02, WITH ADVANCED POSSIBILITIES, IS REQUIRED. BASIC CONTROL PANEL BCP 01 DOES NOT HAVE ALL OPPORTUNITIES OF UCP 02 AND DOESN'T HAVE AN INDICATION LIGHT.

2.3.1 Product operating modes

The product can operate in several modes. Desired mode can be enabled using the CP or ACS. The indication of the operating modes is displayed on the band in the form of mnemonic signs depicting authorization and non-authorization of passage. The product operation on the ACS basis is described in the IM.

2.3.2 Controlling the product using the control panel

Figure 5 – over each CP button, there is a LED indicator that displays the turnstile operating mode.

STOP mode

The "STOP" mode is set when the product is turned on. For switching to the STOP mode from any other mode, press button 2; the LED indicator over button 2 lights red. The passage is non-authorized in both directions in this mode.

The central barrier arm can be deflected from its initial position on a small angle of 6 grades. When the barrier arm is deflected, the stopper will not let it rotate for passage in any direction.

One-time passage mode

Button 1 (3) enables one-time passage mode to the left (right). When this mode is enabled, one pass to the left (right) will be allowed, followed by entering the "STOP" mode. The arrow indicator turns on the indication panel showing a free passage to the left (right).

On the CP, the LED indicator over the button, located on the side where passing is allowed, lights green, and lights red over button 2. If a pass has not been completed within 5 seconds, the product automatically enters the STOP mode.

Multiple passage in one direction mode

To switch to this mode, press and hold buttons 1 and 2, or 1 and 3, depending on the selected direction. Both buttons can be released thereafter.

Multiple pass mode is displayed on the control panel by green light above button 1 (3), the red LED indicator above button 2 is off. The arrow indicator on the indication panel shows the direction of the authorized passage.

The passage is allowed in the authorized direction for an unlimited number of times in this mode.

It is also possible to authorize a single pass into the non-authorized direction by pressing button 1 (3). The product will return to the original mode after this passage or within 5 seconds.

Free access mode (works with UCP 02 only)

To switch to this mode, simultaneously press and hold buttons 1 and button 3 for 2-3 seconds, then release both buttons. In this mode, passes in both directions are allowed for an unlimited number of times.

The arrow indicators on the indication panel blink in both directions. On the CP, the LED indicators over buttons 1 and 3 light green.

Antipanic mode

Switching to this mode is carried out mechanically.

Switch the turnstile to Antipanic mode, to do this press button 4 on the control panel.

After pressing the button, the middle barrier arm will fall down, providing an unobstructed passage through the turnstile area. At the same time the two other barrier arms will remain fixed.


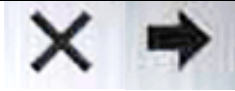





To return the fallen barrier arm to the initial locked position, press the arm by hand until it stops and then lift it upwards to lock it in the "Stop" mode with the power supply on

In the Antipanic mode, the arrows indicating both directions will blink on the indication panel.

2.3.3 Controlling the product using the UCP 02 universal control panel (shown in Table 4).

To activate or change a particular setting, press and hold a certain combination of buttons. It is necessary to hold them for 8 or 16 seconds, until a sound signal and rapid flashing of all buttons backlight of the control panel **(for the control panels without sound, only the flashing of the backlight)**. During the application of the settings, when the indication is on, **DO NOT PRESS THE CONTROL PANELS BUTTONS!**

Table 4 – Turnstile settings using UCP 02

Function or operating mode	Buttons combination
Free passage to the left Short synchronous pressing (2-3 sec)	 Left Stop
Free passage to the right Short synchronous pressing (2-3 sec)	 Stop Right
Block free passage (press once)	 Stop
Free passage in both directions Short synchronous pressing (2-3 sec)	 Left Right
Control panel sound switch on/off - 1 beep (flashing backlight) <i>8 seconds</i> Factory Reset (Remote) - 2 beeps (backlight blinking) <i>16 seconds</i>	 Left, stop, right, anti-panic
Reverse remote control buttons (<i>8 seconds</i>)	 Left, stop, right
Running Autotest <i>16 seconds</i>	 AP

2.4 Emergency procedures

To open the passageway in an emergency situation, use the ANTIPANIC mode: fold the product barrier arms and clear the passageway in this mode.



ATTENTION: WHEN OPERATING THE PRODUCT, NOTE THAT ELECTRIC CIRCUIT CAN BE A SOURCE OF FIRE DANGER IN CASE OF SHORT CIRCUIT, INSULATION BREAKDOWN AND SPARKING.

In case of fire, switch external power supply off. Use powder extinguishers to extinguish fire in the product, wiring and cables.

3 MAINTENANCE

3.1 General instructions

Maintenance (hereinafter referred to as MNT) of the product shall be carried out in accordance with this Operation Manual.

3.1.1 To maintain product performance and ensure design service life, periodical in-service product MNT shall be performed, including during warranty period.

3.1.2 Scheduled maintenance shall be performed once every 6 months. If a fault occurs, maintenance should be performed immediately after troubleshooting.

3.1.3 Maintenance is recommended to be performed by two persons who are qualified mechanical and electromechanical specialists (or electricians), at least category 3, and who have read and understood this Operation Manual.

3.2 Safety precautions

When performing maintenance, safety measures shall be observed. Maintenance shall be performed by specially trained technical personnel.

**DO NOT:**

PERFORM WORK WHEN THE TURNSTILE POWER IS ON. FAILURE TO COMPLY WITH THESE SAFETY REQUIREMENTS CAN RESULT IN DEATH AND DAMAGE TO HEALTH, COMPLETE OR PARTIAL LOSS OF PERFORMANCE OF THE PRODUCT AND/OR AUXILIARY EQUIPMENT.

REMOVE THE MOTHERBOARD LOCATED UNDER THE INDICATION BAND FROM ITS MOUNTS. OTHERWISE, THE MANUFACTURER WILL TERMINATE PRODUCT WARRANTY.



ATTENTION: IT IS NOT RECOMMENDED TO ADJUST THE STROKE LIMITERS OF THE SOLENOIDS OR TENSION OF THE SPRINGS. THESE ASSEMBLIES ARE FACTORY-ADJUSTED. FAILURE TO COMPLY WITH THESE ADJUSTMENTS MAY CAUSE MALFUNCTION OF THE ENTIRE ELECTROMECHANICAL SYSTEM.

3.3 Product maintenance procedure

Maintenance includes the following scope of work:

- 1) visual inspection of the product condition;
- 2) partial disassembly of the turnstile, cleaning of the supporting frame;
- 3) checking fastening parts and assemblies of the turnstile;
- 4) lubrication of the wear-prone parts of the actuating device and locking mechanisms;
- 5) installing dismantled parts to their place;

6) general check of the turnstile operation.

3.4 Visual inspection of the product

3.4.1 Visually inspect the product. There should be no visible damage on the product.

3.5 Partial disassembly of the product

To get access to all necessary assemblies of the turnstile, the latter should be partially disassembled.

For convenience, turn on the "Antipanic" mode on the control panel, this command will cause the middle barrier arm to fall down.

3.5.1 Turn off the turnstile power supply and disconnect it from power mains.

3.5.2 Dismantling of the safety cover:

Figure 6 – unscrew the four screws (1) gently slide the enclosure upwards (in the direction of the arrow), taking care not to break the cables inside the protective enclosure.

Slide the enclosure till the end and free access to the rotation mechanism.

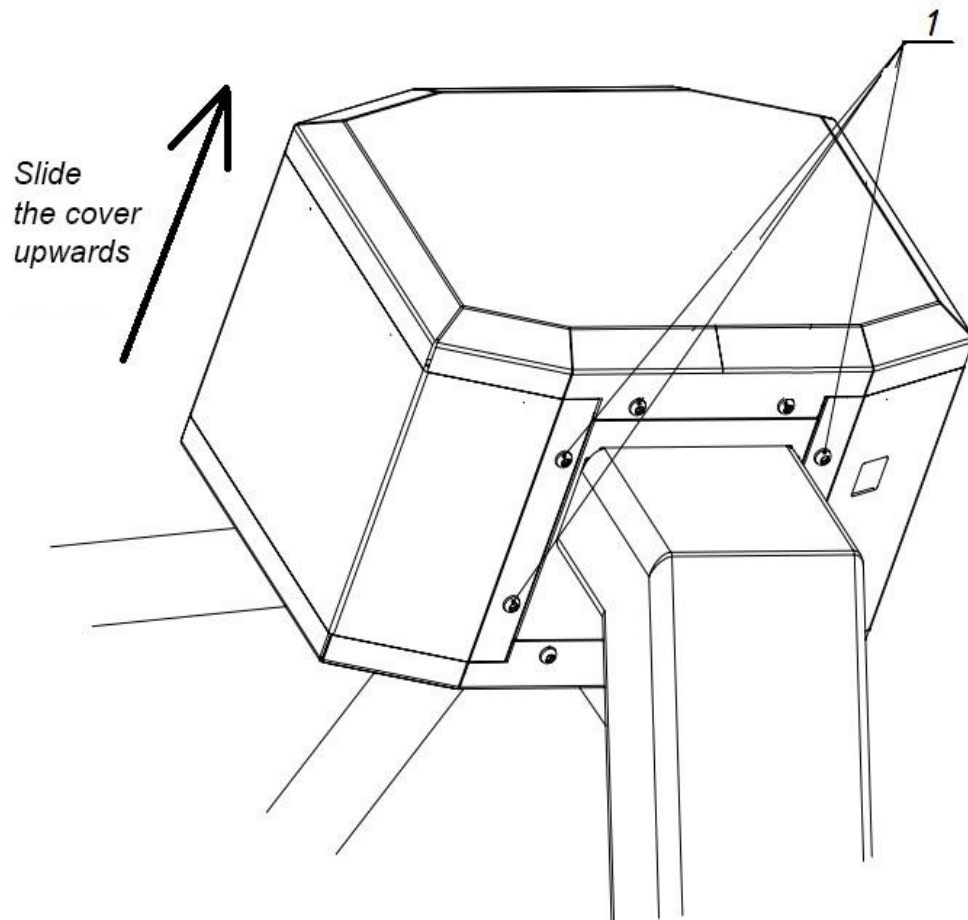


Figure 6 – Dismounting of the safety cover

3.6 Checking the product assemblies

3.6.1 Clean the supporting frame from contamination.

3.6.2 Check that all cables are securely attached.

3.6.3 Check and, if necessary, tighten threaded connections of the fasteners of the turnstile assemblies.

3.7 Lubricating moving parts of the product mechanism



Lube with machine oil, 5W-20 viscosity class, 2-3 drops per moving assembly.

Figure 7 – lubricate the turnstile mechanism elements (1, 2)

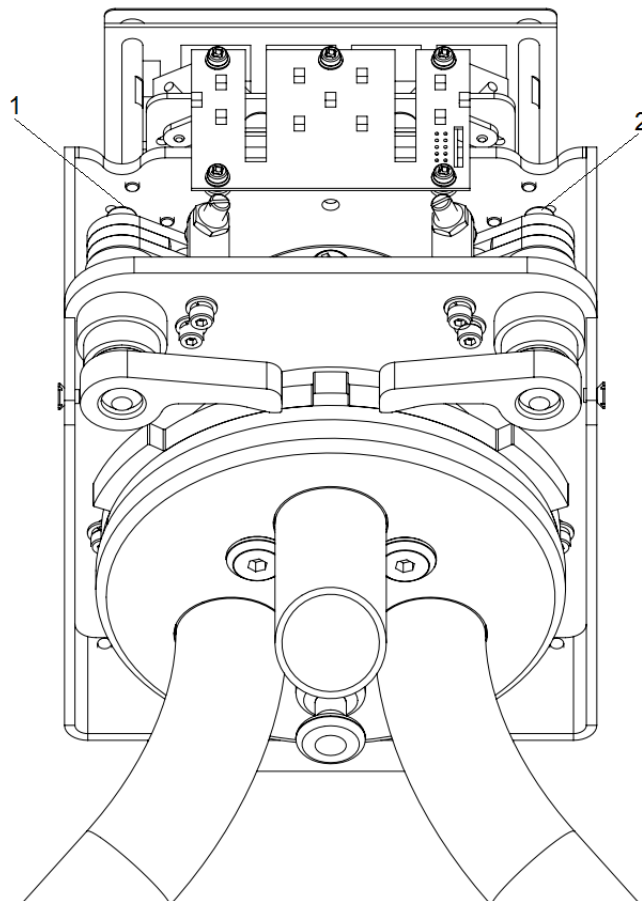


Figure 7 – Turnstile mechanism elements

3.8 Product assembly and testing

To assemble the product, perform disassembly operation in reverse order:

- 1) install the safety cover;
- 2) turn up the turnstile power;
- 3) perform a health check by carrying out several test passes.

If extraneous noise and any violations of operating modes are absent, the turnstile is ready for operation.

If any defects in the product assemblies are found during the product MNT, we recommend to contact service department for advice.

List of addresses of official distributors and service centers is given in Appendix A and is also available at the website: www.oxgard.ru



If it is necessary to repair damaged painted surfaces, use powder paint identical to the damaged one (RAL9005) in accordance with the paint instructions for application.

4 ROUTINE REPAIRS

4.1 Routine repairs of the product

No routine repairs are provided for the product. If the faults listed in Table 4 occur, take the following actions.

Table 5 – Typical product malfunctions

Malfunction	Action
PSU is connected, but the turnstile does not work	1) Check if the power wires are connected correctly; 2) Check the fuse on the cross-board.

If any other problems occur, contact service department.

4.2 Routine repairs of the product components

Routine repairs of the product components shall be carried out by replacing faulty parts with known good ones.

When such replacement is impractical or there are no known good components available for the product, a proprietary repair method shall be used.

4.3 Malfunctions during warranty period

When malfunction occurs during warranty period (Logbook VZR.247800.001 LB), please send a claim to the manufacturer.

To do this:

- 1) prepare a technically substantiated Claim Report;
- 2) make extracts from the LB section "Repair".
- 3) make extracts from the LB section "Preservation".

5 STORAGE

The product shall be stored in dry (without moisture condensation) heated rooms at a temperature from +1 to + 40°C. The storage room should be free of acid or alkali vapors, as well as corrosive gases.

The short time product storage in original package shall be permitted for maximum 3 days in dry unheated rooms and enclosed transport bodies.

After storage in unheated rooms, prior to commissioning, the product shall be kept in a room with normal climatic conditions for 12 hours.

6 TRANSPORTATION

The product in the original package can be transported without range limitation by air, enclosed road and rail transport provided it is protected against direct exposure to precipitation and dust.

When transporting and storing products on Euro pallets, it is allowed to stack boxes in 2 rows.

Loading and unloading operations should be carried out in compliance with safety regulations.

7 DISPOSAL

Upon expiry of its service life, the product shall be disposed along with its components.

Examples of such disposal can be product disassembly (dismantling) and sorting its components into groups of similar parts, converting the product into a learning aid or using for purposes other than intended use.

APPENDIX A — DISTRIBUTORS AND SERVICE CENTERS

Lists of official distributors and service centers are given in Tables 5-6 and are constantly updated. The latest information is available at website www.oxgard.ru.

Table 6 – Distributors and service centers in Russia

Item No.	Company	Contact details	Status
1	Elics Trading House	3 M. Semyonovskaya st., 107023, Moscow (Elektrozavodskaya metro station) 7 (495) 725–66–80 www.elics.ru , elics@elics.ru	Distributor Service center Warehouse
2	Luis + LLC	125040, Moscow, Center, 1st Yamskogo Polya st., 28 7 (495) 637–63–17, 7 (495) 280–77–50 www.luis.ru luis@luis.ru	Distributor Warehouse
3	Luis + LLC	192029, St. Petersburg, Obukhovskoy Oborony Ave., 70, bld. 3A 7 (812) 331–40–41; www.luis.ru luis-spb@luis-spb.ru	Distributor Warehouse
4	Luis + LLC	400081, Volgograd, Bureyskaya st., 7 7 (8442) 43–97–98 www.luis.ru info@luis-don.ru	Distributor Warehouse
5	Luis + LLC	620100, Yekaterinburg, Sibirsky Trakt st., 12, bld. 6 7 (343) 298–20–28 www.luis.ru info@luis-ural.ru	Distributor Warehouse
6	Luis + LLC	350051, Krasnodar, Dalnyaya st., 2 7 (861) 273–99–03 www.luis.ru info@luis-don.ru	Distributor Warehouse
7	Luis + LLC	Republic of Tatarstan, 420059, Kazan, Orenburg Tract, 128, bld. 1 7 (843) 204–22–33 www.luis.ru luis@luis.ru	Distributor Warehouse
8	Luis + LLC	603086, Nizhny Novgorod, Manufakturnaya st., 14, room 1 7 (831) 214 –71–17 www.luis.ru luis@luis.ru	Distributor Warehouse

Item No.	Company	Contact details	Status
9	Luis + LLC	630007, Novosibirsk, Fabrichnaya st., 10 7 (383) 285-33-77 www.luis.ru luis@luis.ru	Distributor Warehouse
10	Luis + LLC	614064, Perm, Chkalov st., 7a 7 (342) 206-07-47 www.luis.ru luis@luis.ru	Distributor Warehouse
11	Luis + LLC	344029, Rostov-on-Don, Menzhinsky st., 4A 7 (863) 261-82-10 www.luis.ru info@luis-don.ru	Distributor Warehouse
12	Luis + LLC	443028, Samara, 18 km of Moscow Highway 7 (846) 203-04-24 www.luis.ru samara@luis.ru	Distributor Warehouse
13	Luis + LLC	625048, Tyumen, Ervye st., 9 7 (3452) 48-95-20 7 (3452) 48-95-40 7 (3452) 48-95-35 www.luis.ru samara@luis.ru	Distributor Warehouse
14	Luis + LLC	454090, Chelyabinsk, Lenin Ave., 35 7 (351) 220-00-72 www.luis.ru luis@luis.ru	Distributor Warehouse
15	Layta Trading House	410056, Saratov, Ulyanov st., 17A 7 (8452) 392-057, 7 (8452) 735-575 7 (8452) 524-586 www.layta.ru info@layta.ru	Dealer
16	Layta Trading House	355000, Stavropol, Pirogov st., 20A 7 (8652) 550-111 7(8652) 551-529 7 (8652) 552-311 7 (8652) 552-411 7 (8652) 553-211 www.layta.ru info@layta.ru	Dealer
17	Bezopasnost	Moscow, 12th Parkovaya st., 5 7 (495) 150-10-71 (multi-line) sales@podkontrolem.ru www.podkontrolem.ru	Dealer Service center
18	Pocketkey	123290, Moscow, Prichalny Driveway, 8, building 1, room 502 7 (495) 107-09-10 hello@pocketkey.ru www.pocketkey.ru	Dealer
19	Ravelin LTD.	Professor Popov st., 4 7 (812) 327-50-32 ravelin@ravelinspb.ru , www.ravelinspb.ru	Dealer Service center
20	Corporate Business Systems	123181, Moscow, Isakovskiy st., 33, bld. 3 7 (495) 234-68-51 www.cbs-group.ru sales@cbs-group.ru	Dealer Service center

Item No.	Company	Contact details	Status
21	Corporate Business Systems	344002, Rostov-on-Don, Solyanoy Spusk Lane, 8-10, 34 7 (495) 234-68-52 www.cbs-group.ru sales@cbs-group.ru	Dealer Service center
22	Inforser (Unified System Technologies) Group	109428, Moscow, Ryazansky Ave., 24, bld. 2 7 (495) 660 17 33 www.inforser.ru	Dealer Service center
23	Benar	Khabarovsk, Neftyanaya st., 14 8 962 587 11 69 benar.ppf@khab-tech.ru	Dealer Service center
24	ATM	St. Petersburg, Revolyutsii Highway, 31 7 (812) 640-85-84 7 (812) 655-62-05 www.atmcompany.ru info@atmcompany.ru	Dealer
25	Center for Security Systems, CJSC	195197, St Petersburg, Polyustrovsky Ave., 32, Letter K, office 201 7 (812) 240-31-00 market@cesb.ru , http://www.cesb.ru/	Dealer
26	SMNP-3, LLC	Magadan, Gorkogo st., 8 7 (41322) 307 47 fuks@smnp-3.ru	Dealer Service center
27	IT Solutions for Business	236009, Kaliningrad, Krasnokamennaya st., 42 7 (4012) 33-79-18 7 (4012) 76-79-18 it@it-sb.ru	Dealer
28	Intellectual Systems	394006, Voronezh, Chelyuskintsev st., 145 7 (473) 250-20-01 inbox@int-sys.ru	Dealer
29	Intellectual Systems	398026, Lipetsk region, Lipetsk, Zhelyabov st., 2, office 307. 7 (4742) 51-58-77 inbox@int-sys.ru	Dealer
30	Tinko Trading House	111141, 3rd Perova Polya Driveway, 8 (Perovo Polye Business Center, 3rd floor), Perovo metro station 7 (495) 708-42-13 www.tinko.ru tinko@tinko.ru	Sub-dealer
31	Satro-Paladin LLC	129515, Moscow, Kondratyuk st., 9, bld. 1 7 (831) 272-55-75 7 (831) 412-93-11 www.satro-paladin.com dir@nn.satro-paladin.com	Dealer
32	Satro-Paladin LLC	603070, Nizhny Novgorod, Meshchersky Ave., 7, bld. 3, office 10 7 (831) 272-55-75 7 (831) 412-93-11 www.satro-paladin.com dir@nn.satro-paladin.com	Dealer

Item No.	Company	Contact details	Status
33	Satro-Paladin LLC	400009, Volgograd, Tarifnaya st., 13 7 (8442) 56-49-94 7 (8442)71-08-01 7 (8442)76-56-29 www.satro-paladin.com dir@nn.satro-paladin.com	Dealer
34	Videoglaz Center LLC	105187, Moscow, Volnaya st., 35, bld. 19 7-(495)-280-71-70 www.videoglaz.ru zakaz@videoglaz.ru	Dealer
35	Videoglaz	St. Petersburg, Ligovsky Ave., 266V, 3rd floor 7 (812) 245-28-24 www.videoglaz.ru zakaz@videoglaz.ru	Dealer
36	OOO Birzha	109052, Moscow, Nizhegorodskaya str., 29-33, bld. 32, office 402 7 (495) 229-45-15 www.global-id.ru info@global-id.ru	Dealer
37	STELS LLC	Amur region, Blagoveshchensk, Artileriyevskaya st., 17 7 (4162) 777-888 7 (4162) 525-777 7 (4162) 519-777 www.global-id.ru ctb@stels-amur.ru sale@stels-amur.ru	Dealer Service center Warehouse
37	Complex Security Systems Group	Vladikavkaz, Kolka Kesaev st., 3 7 (8672) 40-35-4 7 (8672) 40-58-94 www.ksb-rso.ru ksb-rso@mail.ru	Dealer Service center
39	Profbezopasnost LLC	Sochi, Rose st., 115/1 7 (800) 700-51-90 www.profbez.pro info@profbez.pro sale@profbez.pro	Dealer Service center
40	APL LLC	St. Petersburg, 9th Sovetskaya st., 4, office 312 7 (812) 401 63 34, 7 921 55 111 01 www.aplspb.ru info@aplspb.ru	Dealer Service center
41	ALPRO	Address: 194100, St. Petersburg, Bolshoy Sampsonievsky Ave., 70, letter V, room 3N, POLAR Business Center 7 (812) 702-17-52 www.alpro.ru sales@alpro.ru	Dealer
42	InfoTec LLC	St. Petersburg, Moskovsky Ave., 103/3 7 (812) 327 95 10 7 (812) 327 95 06 www.infotec.ru contact@infotec.ru	Dealer
43	ForTrade LLC	196105, St. Petersburg, Lyubotinsky Ave., 5, Letter "B", office 310 8 (812) 309-58-53 www.fteq.ru 4trade@fteq.ru	Dealer

Item No.	Company	Contact details	Status
44	Grumant Corporation LLC	630123, Novosibirsk, Krasnogorskaya st., 27a 8 (383) 210-352-353 www.grumant.ru info@grumant.ru	Dealer
45	Grumant Corporation LLC	107553, Moscow, 1st Pugachev st., 25, office 118 7 (495) 783-29-60 7 (499) 161-06-91. www.grumant.ru mf@grumant.ru	Dealer
46	Grumant Corporation LLC	299038, Crimea, Sevastopol, Kolobov st., 35/4 7 (978) 744 38-86 7 (978) 744-38-59 www.grumant.ru krim1@grumant.ru krim2@grumant.ru	Dealer
47	Modus Trade LLC	644046, Omsk, Mayakovsky st., 14 7 (3812) 51-00-93 7 (3812) 51-07-29	Dealer

Table 7 – Foreign distributors and service centers

Item No.	Company	Contact details	Status
1	VZR System OU	Tulika tn 19, Tallinn 372 5844 4957 8 921 996 2746 www.vzrsystem.ee info@vzrsystem.ee	Distributor Warehouse
2	VZR System OU	Hofer St. 39 95183 Feilitzsch-Zedtwitz Deutschland 372 5844 4957 8 921 996 2746 49 9281 140 11 65 49 928 1 140 11 16 www.multitrans.net ksemjonow@multitrans.net ue@multitrans.net	Distributor Warehouse
3	TD INTANT, LLP	Republic of Kazakhstan, Almaty, Muratbayev st., 61 7 (727) 225-35-35 7 (727) 220-95-31 www.security.intant.kz intant@intant.net	Dealer Warehouse
4	A+A Security MMC	AZ1110, Azerbaijan, Baku, Akhmad Bay Aga oglu st. 24B 8 (+994 12) 496-00-56 www.aasecurity.az info@aplusa-security.com	Dealer

Item No.	Company	Contact details	Status
5	Victiana S.R.L. (Videosecurity Moldova)	Republic of Moldova, Chisinau, Hajdeu st., 66/3 373 (22) 876-000 373 (22) 876- 001 www.videosecurity.md info@videosecurity.md	Dealer
6	Security and Safety Systems Unitary Enterprise	Minsk, Petr Glebka st., 1 375 (17) 390-66-66 (multi-line) Mob.: +375 (33) 340-11-11 (MTS) www.sob.by info@sob.by	Dealer Service center
7	OÜ Almasel	Mustamäe tee 102-106 Tallinn Harjumaa 12917 Tel +372 59192909 info@almasel.com	Service center

ABBREVIATIONS

The following abbreviations are used in this document:

LB — Logbook;

OM — Operation Manual;

IM — Installation Manual;

PSU — power supply unit;

CP—control panel symbol;

BCP 01 — basic control panel;

UCP 02 — universal control panel;

ACS — access control system;

MNT — maintenance.

Vozrozhdenie LLC
192289, 66, Sofiiskaya str.,
Saint-Petersburg, Russia
Telephone/Fax +7 (812) 366 15 94
www.oxgard.com
info@oxgard.com

