

Armory vault door security set



STVF.425712.001

PURPOSE

Armory vault door security set is designed to provide physical barriers to unauthorized access, detection of intruder signs in protected rooms, collection, processing, transmission, and provision of information, as well as video recording to ensure anti-criminal protection.

FIELDS OF APPLICATION

- military units, facilities of Armed Forces of the Russian Federation, other security agencies and departments with armory vaults

VERSION

- Armory vault door security set is a metal door with an integrated video camera, controller and backup power source
- it also includes an IP video camera, a sensors set for the Armory vault door internal installation and a LED panel
- the door is equipped with a magnetic contact detector
- inside the door, there are two pockets equipped with hatches and opening sensors; with a backup power source and Zaslou D controller to place in these pockets
- the inner door side is fitted with a "Security" button, the outer side has three LEDs (red, green, yellow)
- two versions of the set differ by the door opening direction

FEATURES

- protection against unauthorized access to the Armory vault

- video recording of the situation both inside the Armory vault and in the immediate vicinity of the door outside the Armory vault
- transferring video footage of the door opening to a flash drive
- controlling security detectors and video cameras, monitoring their condition and display of malfunction data
- playback of voice messages and audible alerts
- sending SMS messages via the GSM channel with the message text overwrite option
- storing information on the product's operation for 12 months
- storing video materials on a solid-state drive for 14 days
- protection and access control to the stored data

PECULIARITIES

- voice notifications about opening and malfunctions
- voice prompts for transferring video to flash drives
- the commander mandatory notification on the Armory vault opening
- algorithms of operation ensure high-quality video recording and its archived storage
- sensors set enables a detection of unauthorized door opening and the protected area intrusion including breaking windows and destroying walls or ceilings
- continuous automatic self-diagnostics

SCOPE OF SUPPLY

Name	Quantity
✓ Zaslou D Controller STVF.424213.001	1 pc.
✓ Power supply STVF.436121.001	1 pc.
✓ IP video camera SDP-855 STVF.426459.081	1 pc.
✓ Door set STVF.305341.001/STVF.305341.001-01	1 pc.
✓ Synerget 1 SV special software RU.STVF.50522-01	1 unit*
✓ Spare parts set STVF.425973.005	1 set
✓ Mounting set STVF.425951.011, which includes:	1 set
– Cable STVF.425628.011	1 pc.
– Plate STVF.745112.011	6 pcs.
– Anchor bolt with nut M12x120	6 pcs.
– Bolt M6-6g x 18.48.016 GOST 7805-70	18 sets
– Washer 6 65G 016 GOST 6402-70	18 pcs.
– Washer S. 6.01.10.016 GOST 11371-78	18 sets
– Screw B2.M4-6g x 10.58.016 GOST 17475-80	8 sets
– Screw B2.M4-6g x 20.58.016 GOST 17475-80	4 sets
– Dowel-nail 6*40	10 pcs.
– Holder with clamp and dowel for D 20 mm pipe	10 pcs.
– Plug PVD for 24-27 mm Sensor	6 pcs.
– Aluminum flag seal devices	6 pcs.
– Metal hose RZ-CP 15	3 m.
– Apecs handles-clamps HC-0901-25/200-INOX	1 pc.
✓ Packaging STVF.305643.013	1 pc.
✓ USB flash drive 16 Gb	1 pc.
✓ Arfa-2P Sensor (IO 32910-3)	2 pcs.

Name	Quantity
✓ Ikar-SR Sensor (IO 30910-3)	2 pcs.
✓ Ikar-R Sensor (IO 40910-3)	2 pcs.
✓ LUKS-12 SN LED display	1 pc.
✓ GP CR123A battery	6 pcs.
✓ Formulary STVF.425712.001FO	1 copy
✓ Operating guidelines** STVF.425712.001 RE	–
* Special software installed in Zaslon D controller	
** Operating guidelines are available at: http://stilsoft.ru	

DESCRIPTION OF SYSTEM PARTS

- the door is designed to limit people's access to a secure room
- Zaslon D controller enables the overall product management, collects and stores information from IP cameras, receives information on the Armory vault security system status via radio channel from sensors, transmits it to the military unit duty officer's control panel via a wired channel. The controller features an audible indication of the product's operating modes and light indicators for the Armory vault security status. Two buttons ("MODE", "CONFIRMATION") and a USB port for an external drive are located on the controller to upload video information
- Arfa-2P surface acoustic sensor (IO 32910-3) triggers an alarm signal upon detecting the sound of breaking glass
- Ikar-R radio-optical-electronic security sensor (IO 40910-3) triggers an alarm signal upon crossing the detection zone by an object
- Ikar-SR security sensor (IO 30910-3) triggers an alarm signal upon crossing the detection zone by a moving person
- SDP-855 IP camera in a vandal-resistant housing provides 24/7 video recording inside the secure room and transmits video information to Zaslon D controller
- power source includes a voltage converter supplying AC network power to the product and a switch to enable communication between the product, IP camera and the user
- LED display with the inscription "WEAPON STORAGE ROOM OPENED" provides visual notification of the Armory vault breach by lighting up the inscription upon the door's opening

ALGORITHMS OF OPERATION

- Armory vault security set measures operates in four modes: "ARMED", "DISARMED", "EMERGENCY" and "ALARM"
- upon the product's switching on, the software automatically launches with the system self-diagnostics. Upon successful system diagnostics, the product enters the "DISARMED" mode. If the system diagnostic is unsuccessful, the product enters the "EMERGENCY" mode
- the product is switched to "ARMED" mode by pressing the "Armed" button
- the product automatically switches from "ARMED" to "ALARM" mode if one or more sensors (tampering detectors) send an alarm signal
- to switch the product from "ALARM" mode to "DISARMED" mode, the "CONFIRM" button should be pressed within a certain time. If the "Confirmation" button is not pressed, the system enters the "EMERGENCY" mode
- the product switches from the "ALARM" mode to the "EMERGENCY" mode automatically if the product finds faulty equipment during the self-diagnostics performed every 1.5 minutes

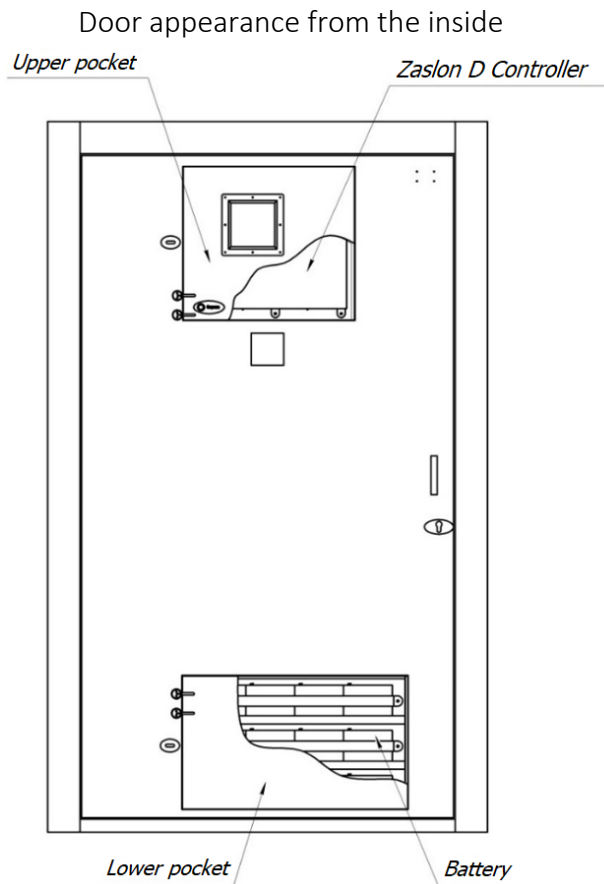
RELIABILITY AND WARRANTY

- Warranty operating period - 7 years
- Assigned operating period - 10 years

TECHNICAL PARAMETERS

Parameter name	Value
Communication Channel	Ethernet, Radio Channel, TTL
Communication Interface	USB
Video File Storage Time, days (minimum)	14
Event Log Information Storage Time, months (minimum)	12
Operating Mode	Continuous
Backup power supply operation period, hours: <ul style="list-style-type: none">– "ALARM" mode– "ARMED" mode	3 24
Frequency range of sensor radio channel, MHz	433.92±0.9
AC voltage, V	220±10%
AC frequency, Hz	50±0.4
DC voltage (for Zaslon D door controller), V	12±10%
Current consumption, A (maximum)	0.7
Current consumption (for Zaslon D door controller), A (maximum)	4
Average service period (excluding batteries), years	10
Mean Time Between Failures, hours	30000
Operating Temperature Range, °C	+5 to +40
Dimensions (HxWxD), mm (maximum): <ul style="list-style-type: none">– door frame without handles and hinges, mm– door leaf with welding and without handles and hinges, mm	2200x1360x110 2120x1200x105
Weight, kg (maximum)	300

SYSTEM APPEARANCE



CONNECTION

Default settings

Name	IP address	Login	Password
Processor module	172.16.16.1	user	adm777
IP video camera	172.16.16.199	admin	12345



Developed and produced in Russia

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