



REMOTE CONTROL

PDU-L

Passport

AKPI.468332.020-02PS

This passport is designed to study the operation and operation rules of the remote control PDU-L.

## **1 PURPOSE OF THE PRODUCT**

1.1 The remote control PDU-L is intended for remote establishment of operating modes and thresholds of operation of receivers of firefighters smoke linear detectors CV212-14 (further the receiver).

1.2 PDU-L provides:

- resetting the fault conditions of the detector receiver ;
- switching the detector receiver to the "Test-fault" mode;
- switching the detector receiver to the "Test-alarm" mode;
- reset test modes of the detector receiver ;
- setting the threshold of operation of the detector receiver 1 dB;
- setting the threshold of operation of the detector receiver 2 dB;
- setting the threshold of operation of the detector receiver 3 dB.

1.3 Remote control modes :

- test;
- dropping;
- setting the trigger threshold.

1.4 During operation of the remote control, the operating documentation on the CV212-14 detector must be additionally followed .

## **2 TECHNICAL DATA**

2.1 PDU-L supply voltage 3 V from replaceable AA batteries.

2.2 The range of the remote control-L is not less than 20 m when sending it to the receiver of the detector CV212-14.

2.3 Operating conditions:

- ambient temperature from minus 10°C to 50°C;
- relative humidity of ambient air from 35% to 95%  
at temperatures up to 35°C;
- atmospheric pressure from 84 kPa to 107 kPa.

### 3 COMPLETENESS

Marking	Name	Quantity, items.	Notes
АКПИ.468332.020-02	Remote control PDU-L	1	
АКПИ.468332.020-02ПС	Remote control PDU-L. Passport	1	
	1.5 V AA battery	2	installed in the remote control

### 4 STRUCTURE AND WORK OF THE PRODUCT

4.1 The remote control housing (Figure 1) has a compartment for installing power batteries. There are four control buttons "F/C", "1", "2", "3" and a mode indication LED on the case. A working IR-emitter is installed at the end of the housing.

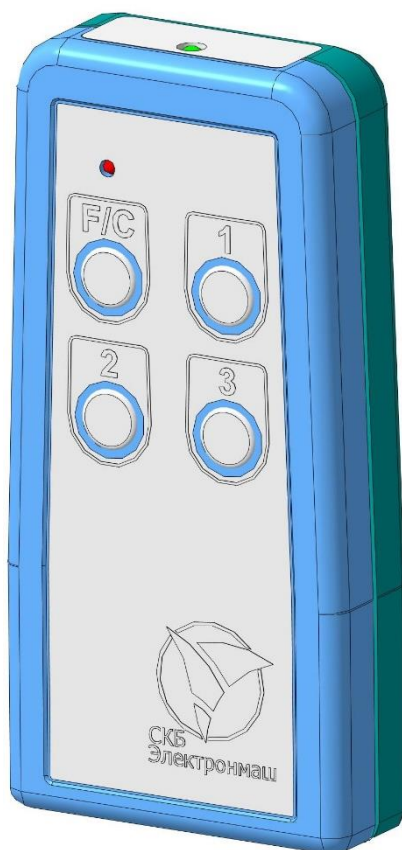


Figure 1 - Appearance of the remote control

4.2 The functions of the remote control buttons are presented in table 1.

Table 1

Operating mode	Button functions	LED indicator PDU-L
Duty / test	"1" - reset "2" - test failure "3" - alarm test	Flashes when press the buttons
Setting trigger thresholds - after pressing the "F / C" button	"1" - setting the threshold of 1 dB "2" - setting the threshold of 2 dB "3" - setting the threshold of 3 dB	Dual flashes with a frequency of about 1 Hz after pressing the "F/C" button

4.3 If no key is pressed for 8 seconds in any of the selected modes, the remote control automatically switches to test mode .

4.4 When receiving the "Test-fault" command, the detector receiver will go into a fault state. The detector is returned to its original state either by a reset command from the remote control or by an interrupt power detector

4.4 When receiving the "Fire Test" command, the detector receiver will go into an alarm state. The detector is returned to its original state either by a reset command from the remote control or by an interrupt power detector



**WARNING! SUBMIT TEST-ALARM TEAM  
WITHOUT CONSENT WITH THE PERSON,  
PRESENTATION FOR THE PREMISES,  
WHERE THE DETECTORS ARE INSTALLED,  
P R O H I B I T E D !**

## 5 SECURITY MEASURES

It is not recommended to direct the radiation from the remote control to the eyes.

## 6 PREPARATION OF THE PRODUCT FOR WORK

6.1 Make sure there are batteries in the power compartment.

6.2 If the remote control batteries are missing, they must be installed in accordance with the polarity. No other preparatory operations are required.

## 7 WORKING PROCEDURE

7.1 The remote control must be kept by the person responsible for the fire alarm system.

7.2 The remote control is used when putting the fire system into operation and, if necessary, checking the detectors during the current operation.

7.3 Only fire alarm installers are allowed to use the remote control to change the alarm threshold of the detectors at the stage of putting the system into operation, during inspection or repair.



**ARNING! CHANGE THE PARAMETERS OF THE DETECTORS TRIGGER  
THRESHOLD**

**WITHOUT PERSONAL AGREEMENT,  
CONFESSIONAL FOR THE PREMISES WHERE THE DETECTORS ARE INSTALLED,  
P R O H I B I T E D!**

## 8 MANUFACTURER'S WARRANTIES

8.1 The manufacturer guarantees compliance of the product with the requirements of current technical documentation in compliance with the conditions of transportation, storage and operation, as well as installation requirements specified in the operating documentation for the device.

8.2 The warranty period of the product is 18 months from the date of introduction into operation, but not more than 24 months from the date of shipment by the manufacturer.

8.3 The warranty period of storage of the product in the factory packaging of the manufacturer is 12 months from the date of manufacture, subject to compliance with the rules of storage.

8.4 Products in which non-compliance with the requirements of the current technical documentation and this passport will be found during the warranty period of operation, subject to compliance with the rules of operation and installation, are

replaced or repaired by the manufacturer.

8.5 The requirement (claim) of the consumer (buyer) to the manufacturer (supplier) to eliminate the identified shortcomings (defects and (or) incompleteness) in the delivered (sold) products, is made in the form of an application, letter, other document with the addition of this passport.

8.6 The claim is accepted (recognized) if it is caused by design and technological defects, defects of the product and its components. The claim is rejected if it is related to improper operation or if the additional study does not confirm the defects.

8.7 Any interference with the circuit or design of the device is prohibited. Failure to do so will void the warranty and the manufacturer's liability.

8.8 For any damage caused by violation of the rules of operation and inspections, operation of a faulty product or incorrect installation of a fire alarm system or automation, the manufacturer is not responsible.

## 9 DISPOSAL INFORMATION

9.1 After the end of the product's service life or inability to repair it, the product must be disposed of.

9.2 Products and their constituent components do not belong to household waste. For disposal of products, contact specialized enterprises for the disposal of products of the electronic industry.

## 10 CERTIFICATE OF ACCEPTANCE

Remote control remote control serial number \_\_\_\_\_ manufactured and accepted in accordance with current technical documentation and recognized as serviceable.

Date of manufacture \_\_\_\_\_

(month, year)

\_\_\_\_\_  
(imprint of the personal mark of the official of the enterprise responsible for the acceptance of the product)

\* Note on re-inspection \_\_\_\_\_ MP

(month, year)

**\*Note. Device that has reached the end of its warranty period in the factory packaging manufacturer (12 months from the date of manufacture) subject to compliance storage rules, re-checked before shipment.**

## 11 PACKAGING CERTIFICATE

Remote control PDU-L serial number \_\_\_\_\_ is packed in accordance with the requirements of the current technical documentation.

Packing date \_\_\_\_\_ Packer \_\_\_\_\_

(month, year) (signature)

## 12 TRANSPORTATION AND STORAGE

12.1 Transportation of products in the packaging of the manufacturer must be carried out in accordance with the requirements of GOST 15150 and this passport.

12.2 The product in the packaging of the manufacturer is allowed to be transported over any distance by road and rail (in closed vehicles), air transport (in heated sealed compartments), water transport (in closed holds). Transportation must be carried out in accordance with the rules of carriage applicable to each mode of transport.

12.3 Conditions of transportation should correspond in terms of influence of climatic factors to conditions 5 of GOST 15150.

12.4 The location and fastening of product boxes in vehicles must ensure their stable position, exclude the possibility of displacement and impact with each other, as well as against the walls of vehicles.

12.5 Conditions of storage of products according to group 1 of GOST 15150 in packing of the enterprise-manufacturer taking into account the requirements defined by manipulation signs "CRISPY - CAREFULLY", "PROTECT FROM MOISTURE".

12.6 Storage of products in the manufacturer's packaging is allowed in the form of stacks, subject to compliance with the requirements of manipulation signs "HPLC", "LIMITED stacking".

12.7 Placement of packaged products at a distance of less than 0.5 m from heat sources is prohibited.

12.8 There must be no corrosive impurities (acid fumes, alkalis) in the storage rooms for products.

12.9 Unpacking of products transported in the cold period must be carried out in a heated room, pre-aging them in unpacked form under normal conditions for 6 hours.

Quality management system at the enterprise  
certified for compliance with international standards  
ISO 9001: 2015

**MANUFACTURING ENTERPRISE**

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