

KODOS A-20 Central Panel

Certificate

Basic Item Information and Technical Data

The basic unit of the KODOS A-20 Central Panel (hereinafter referred to as **basic unit A-20**) is used to monitor and control address units of various types with burglar and fire alarms, external and internal light- and sound warning devices, alarms, indicators, and automatic fire extinguishers connected to them as components of the address system of the fire and burglar alarm system (hereinafter referred to as **System**). The A-20 basic unit is designed for continuous round-the-clock operation.

Table 1 – Performance Data

Supply voltage, V	from 9.5 to 15.0
Consumption current, A , maximum	3
Insulation resistance:	
at a temperature of 20±3°C, MOhm , minimum	1.0
at temperatures from 5 to 35 °C, MOhm , minimum	0.5
at 80% humidity, MOhm , minimum	0.5
Number of KODOS-RD readers connected to the A-20 basic unit, pcs	2
Communication line length from the A-20 basic unit to the reader, m , maximum	50
Number of MI-50 indication modules connected to the A-20 basic unit, pcs , maximum	8
Communication line length from the A-20 basic unit to the MI-50 indication module, m , maximum	1200
Consumption current of horn #1, horn #2, A , maximum	1
Maximum number of user passwords, user cards, the variants of batch setting of alarms on guard	256
Connected address units of the KODOS series	KODOS A-06/2, KODOS A-06/8, KODOS A-07/4, KODOS A-07/8, KODOS A-08, KODOS A-08/24, KODOS A-08/220, KODOS A-08/220A, KODOS A-09, KODOS AKP
Maximum number of address units connected to a communication line	50
Maximum number of zones and channels operated	200
Amplitude of sign-alternating pulses output voltage in the communication line, V , range	18...24
Address units consumption current, mA , maximum	550
Communication line length from the A-20 device to the Communication line length l , m , maximum	1600 ¹⁾
Wire resistance of the communication line beam ²⁾ , Ohm , maximum	100
Communication line beam voltage drop, V , maximum	5.5
Total capacitance of communication line, mkF , maximum	0.1
Operating environment:	
ambient temperature, °C	+5...+35
relative humidity at 25 °C, %, maximum	80
Overall dimensions, mm	210x185x93
Weight, g , maximum	2.3
¹⁾ – depends on wire type and cross section.	
²⁾ – the communication line beam means a section of the line from the A-20 basic unit to the outmost device connected to the section.	

Standard Equipment

1	KODOS A-20 Central Panel	– 1 pc
2	COM-port connection cable	– 1 pc
3	Self-tapping Screw 3.5x25	– 4 pcs
4	Plastic Nailing Plug	– 4 pcs
5	Certificate	– 1 copy
6	KODOS Software for FBA disk	– 1 pc
7	Package	– 1 pc

Notes on Operation

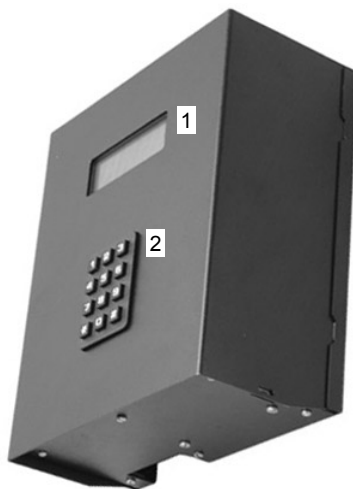
1 Assembly, installation, and maintenance of the address unit shall be performed in accordance with the document "KODOS A-20 Central Panel-Based Fire and Burglar Alarm System. Installation Guide".

2 The address system of the fire and burglar alarm (FBA) based on KODOS A-20 Central Panel is controlled in accordance with the document "Fire and Burglar Alarm System Based on KODOS A-20 Central Panel. User Guide".

3 The keyboard is used for inputting System control commands (two control keys and ten number keys).

4 The screen is used to display messages on the System status (four lines, twenty digits each).

5 The warranty is void if the seal is broken.



1 – The screen; 2 – The keyboard

Figure 1 – A-20 Basic Unit Appearance