

# 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, <b>V</b>  | from 9.5 to 15.0  |
| Consumption current, <b>A</b> , maximum   | 3   |
| Insulation resistance:  |   |
| at a temperature of 20±3°C, <b>MOhm</b> , minimum   | 1.0   |
| at temperatures from 5 to 35 °C, <b>MOhm</b> , minimum  | 0.5   |
| at 80% humidity, <b>MOhm</b> , minimum  | 0.5   |
| Number of KODOS-RD readers connected to the A-20 basic unit, <b>pcs</b>   | 2   |
| Communication line length from the A-20 basic unit to the reader, <b>m</b> , maximum  | 50  |
| Number of MI-50 indication modules connected to the A-20 basic unit, <b>pcs</b> , maximum   | 8   |
| Communication line length from the A-20 basic unit to the MI-50 indication module, <b>m</b> , maximum   | 1200  |
| Consumption current of horn #1, horn #2, <b>A</b> , 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, <b>V</b> , range   | 18...24   |
| Address units consumption current, <b>mA</b> , maximum  | 550   |
| Communication line length from the A-20 device to the Communication line length <b>l</b> , <b>m</b> , maximum   | 1600 <sup>1)</sup>  |
| Wire resistance of the communication line beam <sup>2)</sup> , <b>Ohm</b> , maximum   | 100   |
| Communication line beam voltage drop, <b>V</b> , maximum  | 5.5   |
| Total capacitance of communication line, <b>mkF</b> , maximum   | 0.1   |
| Operating environment:<br>ambient temperature, °C   | +5...+35  |
| relative humidity at 25 °C, %, maximum  | 80  |
| Overall dimensions, <b>mm</b>   | 210x185x93  |
| Weight, <b>g</b> , maximum  | 2.3   |
| <sup>1)</sup> – depends on wire type and cross section.<br><sup>2)</sup> – 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**

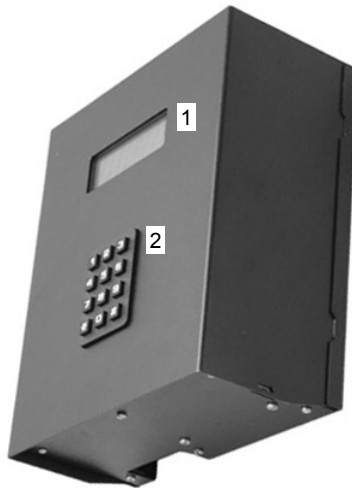
1 Assembly, installation, and maintenance of the address unit shall be performed in accordance with the document "KODOS A-20 Central Panel-Based Fire and Burglar Alarm System. Installation Guide".

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**