

KODOS A-08 Address Unit

Certificate

Basic Item Information and Technical Data

KODOS A-08 address unit (hereinafter referred to as address unit) is used to switch the executive devices supplied from up to 30 V DC power supply on/off, and give out messages on the status of each control channel. The unit is used as a component of the address fire and burglar alarm system based on control and indicating equipment - KODOS A-20 Central Panel.

The electronic circuit of the address unit can be powered from both the KODOS A-20 Central Panel address communication line, and external power supply with output voltage of 22 .. 24 V. The use of an external power source eliminates the probability of a control signal reset in case of breakage in the KODOS A-20 Central Panel communication line.

For supplying power to the executive devices each control channel of the address unit shall be provided with DC power supply with output voltage ranging from 5 to 30 V.

The functions executed in the course of the address unit operation are as follows:

- a) switching the executive devices on/off by the command of the KODOS A-20 Central Panel;
- b) transmitting a message on switching the control channels on/off to the KODOS A-20 Central Panel communication line;
- c) if an attempt is made to open the body, the address unit sends a message to the KODOS A-20 Central Panel communication line.

Table 1 – Performance Data

Voltage amplitude in the communication line, V	18 ... 24
Consumption current when supplied from the communication line, mA , maximum	4
Voltage of the external power supply of the address unit, V	18 ... 24
Consumption current when supplied from the external power supply of the address unit, mA , maximum	4
Communication line length, m , maximum	1600 *
Number of control channels	2
Commutation voltage on the output terminals of the control channels, V	5 ... 30
Maximum permissible current in the control channel when switched on, mA	150
Voltage drop in the output terminals of control channels when switched on, V , maximum	3.5
Length of the control channel cable, m , maximum	15
Operating environment: ambient temperature, °C relative humidity at 25 °C, %, maximum	+5 ... +35 80
Overall dimensions, mm	136x100x27
Weight, g , maximum	90

* – see documentation for KODOS A-20 Central Panel.

Standard Equipment

1	KODOS A-08 Address Unit	- 1 pc
2	Self-tapping Screw 3.5x25	- 4 pcs
3	Plastic Nailing Plug	- 4 pcs
4	Certificate	- 1 copy
5	Package	- 1 pc

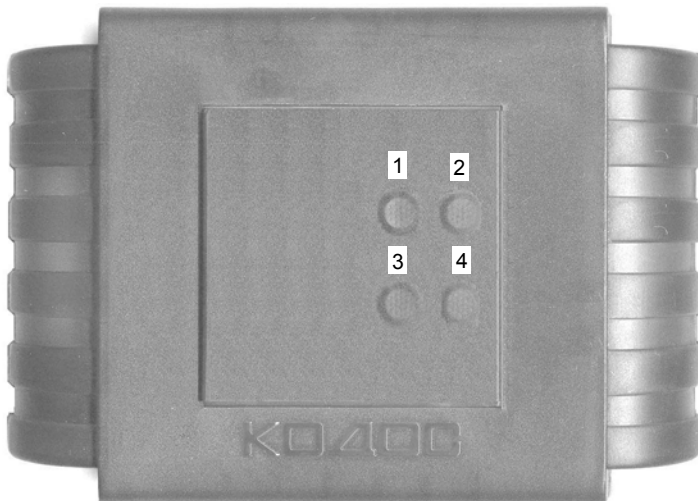
Notes on Operation

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 hardware address of the address unit is detailed on the sticker on the back side of the unit body.

3 LEDs (Figure 1) are used to indicate the address unit power supply (Power), data exchange (Line) with the KODOS A-20 Central Panel, and operation of control channels 1 and 2 (Channel 1 and Channel 2) respectively.

4 The warranty is void if the seal is broken.



1 – LED Line; 2 – LED Channel 1; 3 – LED Power; 4 – LED Channel 2

Figure 1 – Address Unit (front)