

KODOS A-06/8 Address Unit

Certificate

Basic Item Information and Technical Data

KODOS A-06/8 address unit (hereinafter referred to as address unit) is used to monitor the status (Short Circuit, Alarm, Normal, Breakage) of fire loops connected to the fire sensors, and to transfer the data to the KODOS A-20 Central Panel communication line. 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 address unit may be powered either from the KODOS A-20 Central Panel communication line (main and recommended option), or from an external source.

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

a) monitoring the status (Short Circuit, Alarm, Normal, Breakage) of the fire zones including the measuring of resistance in the relevant loops.

b) transmitting messages on loop status and an address unit body opening to the KODOS A-20 Central Panel.

The address unit is supplied from the line or from a separate power supply (if 8-loop type, KODOS A-06/8 address unit) and only from the line (if 4-loop type (KODOS A-07/4 address unit) or 2-loop type (KODOS A-06/2 address unit)).

Table 1 –Performance Data

Performance	When powered from communication line	When powered from external source
Voltage amplitude in communication line, V	18 ... 24	18 ... 24
Consumption current, mA, maximum	20	0,5
External source supply voltage, V	–	18 ... 24
Current consumption from external source, mA, maximum*	–	19.5
Communication line length, m, maximum		1600 **
Number of loops monitored		8
Total consumption current of fire sensors in standby mode per loop, mA, maximum		0.35
Voltage range for each fire sensor and 15 kOhm terminal resistor, V		9.3 ... 13.2
Loop leak resistance, kOhm, minimum		50
Loop resistance, Ohm, maximum		100
Fire loop length, m, maximum		100
Operating environment: ambient temperature, °C relative humidity at 25 °C, %, maximum		+5...+35 80
Overall dimensions, mm		136x100x27
Weight, g, maximum		120

* – These are maximum values of mean current consumption, which are recommended to be taken into account when calculating total current consumption of the system.

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

Standard Equipment

1	KODOS A-06/8 Address Unit	- 1 pc
2	Resistor 15 kOhm	- 8 pcs
3	Self-tapping Screw 3.5x25	- 4 pcs
4	Plastic Nailing Plug	- 4 pcs
5	Certificate	- 1 copy
6	Package	- 1 pc

Notes on Operation

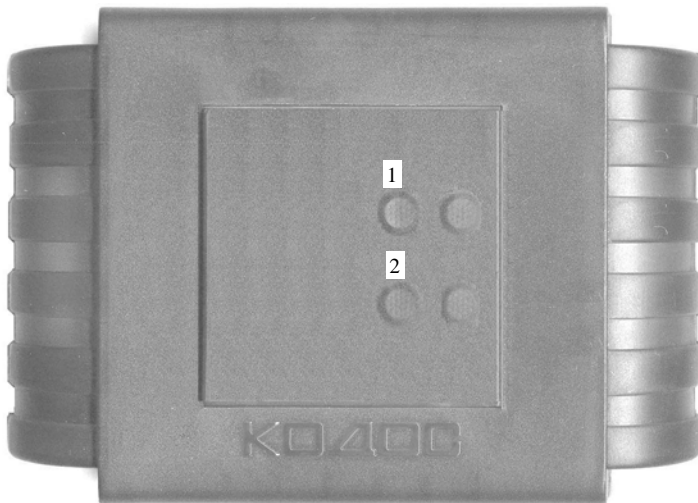
1 Assembly, installation, and maintenance of the address unit shall be performed in accordance with the document "KODOS A-20 Central Panel-Based Fire and Burglar Alarm System. Installation Guide".

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) and data exchange (Line) with the KODOS A-20 Central Panel.

4 To switch the address unit to the necessary power supply mode set the jumper in the power supply switch to the desired position.

5 The warranty is void if the seal is broken.



1 – LED Line; 2 – LED Power

Figure 1 – Address Unit (front)