

KODOS A-08/220A Address Unit

Certificate

Basic Item Information and Technical Data

KODOS A-08 / 220A address unit (hereinafter referred to as address unit) is used to switch the executive devices supplied from AC supplies on/off by a command of the KODOS A-20 Central Panel and to give out a message on the status of each executive device. The address unit is powered from 16 .. 24 V external stabilized voltage power supply which allows it to maintain the status of output connectors (OUT1 and OUT2) of the control channels even in case of communication line breakage. 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 is powered through the KODOS A-20 Central Panel communication line.

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. To switch on the channel the current running through the executive device must be at least 50 mA;

b) transmitting a message on switching the control channels on/off to the KODOS A-20 Central Panel communication line.

Table 1 – Performance Data

Voltage amplitude in the communication line, V	18 ... 24
External stabilized DC voltage power supply, V	16 ... 24
Consumption current from 24 V external stabilized DC voltage power supply, mA , maximum	14
Number of control outputs	2
Communication line length, m , maximum	1600 *
Commutation voltage on the output terminals of the control channels, V	24 ... 265 V AC
Commutation voltage frequency, Hz	45 ... 65
Minimum current in the control channel when switched on, mA	50
Maximum current in the control channel when switched on, A	1
Peak current in the control channel when switched on, A	2 **
Voltage drop in output terminals of the control channels with load connected, V , maximum	3
Length of the control channel cable, m , maximum	100
Electric resistance of insulation between circuits of the 220 V mains (connectors OUT1 and OUT2) and the rest of the terminals, MOhm , minimum	20
Operating environment: ambient temperature, °C	+5...+35
relative humidity at 25 °C, %, maximum	80
Overall dimensions, mm	120x70x28
Weight, g , maximum	85

* – see documentation for KODOS A-20 Central Panel.
** – no longer than 10 minutes per 1 hour of operation.

Standard Equipment

1	KODOS A-08/220A 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.



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

Figure 1 – Address Unit (front)