

KODOS IZL-01 Line insulator

Certificate

Basic Item Information and Technical Data

KODOS IZL-01 line insulator (hereinafter referred to as line insulator) is used to monitor the communication line status (short circuit or no short circuit) and disconnect a part of the line in case of a short circuit in it. 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:

1) the isolator splits the address line in two parts: input (running to the KODOS A-20 Central Panel) and output one. If there is no short circuit in the input line it is electrically connected to the input communication line;

2) if a short circuit occurs in the output communication line, the insulator disconnects the input line (insulates it from the output line) and connects it back only after deenergizing the line insulator.

Table 1 – Performance Data

Voltage amplitude in communication line, V	18 .. 24
Current consumption, mA , maximum* <ul style="list-style-type: none">• in standby mode• in active protection mode	1.5 15
Total current consumption of the devices connected to output line maximum, mA , maximum minimum, mA , minimum	165 15
Operating environment: ambient temperature, °C relative humidity at 25 °C, %, maximum	+5...+35 80
Overall dimensions, mm	136x100x27
Weight, g , maximum	90
* – these are maximum values of mean consumption current, which should be taken into account when calculating total current consumption of the system.	

Standard Equipment

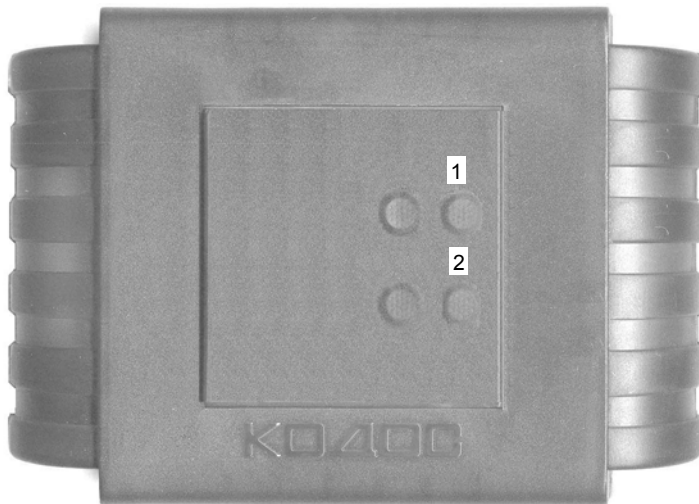
1	KODOS IZL-01 line insulator	- 1 pc
2	Self-tapping Screw 3.5x25	- 4 pcs
3	Plastic Nailing Plug	- 4 pcs
4	Certificate	- 1 copy
5	Package	- 1 pc

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 LEDs (Figure 1) are used to indicate the line insulator power supply (Power) and the triggering of the address line short circuit protection (Protection).

3 The warranty is void if the seal is broken.



1 – LED Power; 2 – LED Protection

Figure 1 – Address Unit (front)