

# KODOS UL-01 communication line extension

## Certificate

### Basic Item Information and Technical Data

**KODOS UL-01 communication line extension** is used to extend the communication line between the KODOS A-20 Central Panel and the address units of the KODOS series, and to disconnect a part of the communication line downstream the extension in case it is short circuited.

The KODOS UL-01 device is powered from an external DC power supply with rated output voltage of 12 V.

The functions provided by the connection extension are as follows:

- 1) transmits and amplifies signals during data exchange between devices of input and output sections of the communication line;
- 2) detects short circuits in the output section of the communication line; disconnects sections of the line downstream the extension in case of short circuit.

**Table 1 – Performance Data**

Power supply voltage, <i>V</i>	9.5 .. 15.0
Consumption current, <i>A</i> , maximum	1.5
Number of line extensions connected in series, maximum	2 *)
Presence of galvanic separation of input and output communication lines	yes
Voltage amplitude voltage at the extension input, <i>V</i>	18 .. 24
Voltage amplitude at the extension output, <i>V</i>	23 ± 0.5
Full equivalent capacitance of the communication line output section, <i>μF</i> , maximum	0.1
Resistance of the communication line between the line extension and any address unit of the output section, <i>Ohm</i> , maximum	100
Communication line length output section, <i>m</i> , maximum	1600 **)
Operating environment: ambient temperature, °C	+5...+35
relative humidity at 25 °C, %, maximum	80
Overall dimensions, <i>mm</i>	195x95x30
Weight, <i>g</i> , maximum	200

\*) – Number of the line extensions connected in parallel is not limited.  
\*\*) – depends on the cable type used (see document “KODOS A-20 Central Panel-based FBA. Assembly Guide”).

## **Standard Equipment**

- |   |  |          |
|---|--|----------|
| 1 | KODOS UL-01 Communication line extension | - 1 pc   |
| 2 | Certificate                              | - 1 copy |
| 3 | 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 extension power supply ("1"), data exchange between the extension and fire and burglar alarm (FBA) system devices ("2", "3") and the line output section overload of "IV".

4 The warranty is void if the seal is broken.



**Figure 1 –Line Extension (front)**