

# KODOS RD-60 reader

## Manual

### Basic Item Information and Technical Data

**KODOS RD-60 reader** (hereinafter referred to as reader) is used as a component of the access control system (ACS).

The functions executed by the device are as follows:

- reception, processing and transmission of codes of the contactless electronic code carriers of the KEY-02 active key type and passive cards of the EM-Marin (ANGSTREM-KIBI01, SOKYMAT, IMPRO, MICROPROX) standard to the KODOS ES-601/602 controller;
- internal heating to provide the operation at the low ambient temperatures.

**Table 1 – Performance Data**

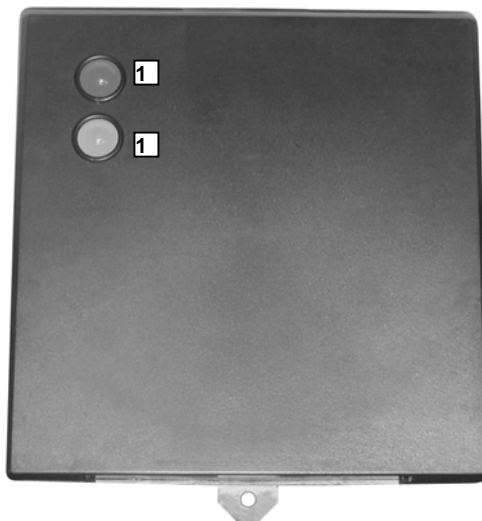
Power supply voltage, <b>V</b>	9.5 ... 15.0	
Consumption current at 12 V power supply voltage, <b>mA</b> , maximum	900	
Effective reading range at 12 V power supply voltage, <b>m</b> , minimum	KEY-02	Card
	0 ... 1.8	0 ... 0.25
Communication line length between the reader and the controller, <b>m</b> , maximum	30	
Operating environment: ambient temperature, °C relative humidity at 25 °C, %, maximum	+5...+35	
	80	
Overall dimensions, <b>mm</b>	220x220x65	
Weight, <b>g</b> , maximum	700	

### Standard Equipment

1	KODOS RD-60 Reader	-	1	pc
2	Self-tapping Screw 3.5x25	-	3	pcs
3	Plastic Nailing Plug	-	3	pcs
4	Manual	-	1	copy
5	Package	-	1	pc

## **Notes on Operation**

- 1 The address unit is mounted, installed, and maintain in accordance with the following document "KODOS ES Series Controllers-Based Access Control System. Installation Guide".
- 2 LEDs (Figure 1) are designed to indicate condition of the reader and response to putting the code carrier near the device.
- 3 The warranty is void if the seal is broken.
- 4 Reader terminals marking and assigning are produced in the tables 2 and 3.



1 – LEDs

**Figure 1 – Reader (front)**

**Table 2 – Communication line between the reader and the controller**

<b>Reader cable wires marking</b>	<b>Assignment</b>	<b>Controller cable wires marking</b>
SW	Switching on signal	SWA (SWB)
CLK	Control signal	CLK2 (CLK1)
DATA	Data signal	D2 (D1)

**Table 3 – Connection cable from the reader to the power supply**

<b>Reader cable wires marking</b>	<b>Assignment</b>	<b>Power supply unit terminal marking</b>
+12V	«+» 12 V power supply	+12V
-12V	«- » 12 V power supply	-12V