KODOS SK-E network controller

Certificate

■ Basic Item Information and Technical Data

KODOS SK-E network controller (hereinafter referred to as network controller) is used as a component of the address fire and burglar alarm system (FBA) based on KODOS A-20 Central Panel or the access control system (ACS).

In the course of operation, the network controller provides data exchange between the KODOS A-20 Central Panel (Central Panels) or between access controller of the KODOS ES series (group of controllers) and PC. The functions it performs in the course of operation are as follows:

a) transmits control commands (e.g. changes to address unit inquiry order, guard loop, and user status changes, etc.) from the PC to the KODOS A-20 Central Panel (Central Panels) (network access controller of the KODOS ES series (group of controllers));

b) transmits messages on events in the FBA (ACS) system, e.g. status of fire and burglar loops, power units, user trespasses, unauthorized attempts to login the system, attempts to break the code etc., from the KODOS A-20 Central Panel (Central Panels) (network access controller of the KODOS ES series (group of controllers)) to the PC.

The events occurred in the FBA and ACS systems and received from the KODOS A-20 Central Panel are not recorded in the network controller; they are only transmitted to the PC.

Data exchange is executed through standard protocols of the TCP/IP family used to control data transfer between network devices.

Table 1 – Performance Data

DC power supply voltage, *V*	9.5…15.0
Consumption current, *mA*, maximum	500
Local area net (LAN) type	10Base-T 100Base-Tx
Length of connection cable when connecting to the LAN, *m*, maximum	100
KODOS A-20 device connection protocol	RS-232
Length of the KODOS A-20 device connection cable, *m*, maximum	10
Number of the access controllers connected, *pcs.*, maximum	250
Amplitude of sign-inversed signals in the access controller communication line, *V*	24
Resistance in the access controller communication line, *kOhm,* maximum	0.1
Capacitance of the access controller communication line, *µF,* maximum	0.1
Operating environment: ambient temperature, °C relative humidity at 25 °C, %, maximum	+5 ... +35 80
Overall dimensions, *mm*	197x97x30
Weight, *g,* maximum	225

Standard Equipment

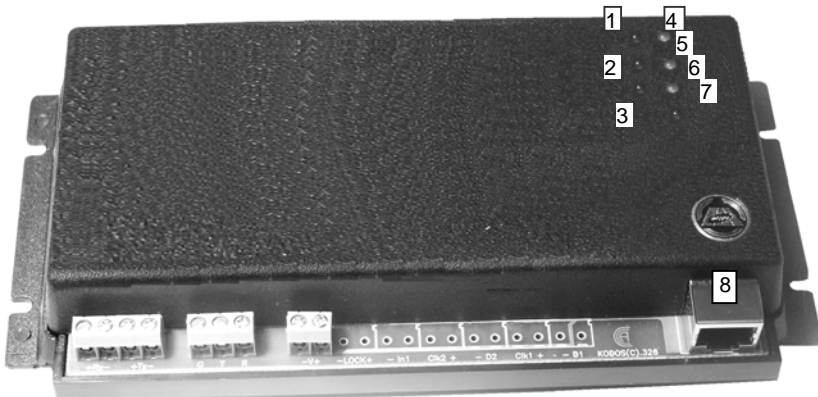|				
1	KODOS SK-E network controller	−	1	pc
2	Self-tapping Screw 3.5x25	−	4	pcs
3	Plastic Nailing Plug	−	4	pcs
4	Certificate	−	1	copy
5	Package	−	1	pc

Notes on Operation

1 Assembly, installation, setup, and maintenance of the network controller must be carried out in accordance with the documents "KODOS A-20 Central Panel-Based Fire and Burglar Alarm system. Installation Guide", or "KODOS ES Series Access Controller-Based Access Control System. Installation Guide".

2 The controller's MAC-address is detailed in the sticker on the back side of the network controller body.

3 LEDs (Figure 1) are used to indicate the network controller power supply (Power), data exchange between access controllers (Reception, Transmission) and local area network devices (LAN, 10 Mbit/s, 100 Mbit/s), distortions in data exchange with local area network devices (Collision).

4 The warranty is void if the seal is broken.

1 – LED Power;   2 – LED Transmission;   3 – LED Reception
4 – LED LAN   5 – LED 10 Mbit/s   6 – LED 100 Mbit/s
7 – LED Collision   8 – connector RJ-45

Figure 1 – Network controller **(front)**