secureRus

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E-levator-8 exclusive floor lift controller system Version 1.04

The **E-levatex-8** exclusive floor lift system is designed to meet the need for elevators' control to exclusive floor via the normal telephone or mobile phone, via the telephony access control system. Its unique security feature is multiple passwords which can be programmed for each floor's relay.

The **E-levatex-8** exclusive floor lift system consists of:

a) Main **E-levatex-8** database controller with on-board master relay
b) Slave remote tele-elevator-relay board through 2 wires (1 data + 1 ground)
c) Programming unit to view and edit the **E-levatex-8** tele-elevator-controller passwords.

1) Main E-levatex-8 exclusive floor lift database controller

This is the control unit of the entire system. A standard RJ11 socket is to be connected to the telephony access control system and then to the telephone outlet.
A 12VDC power supply is used to power the controller.

A master relay is built on-board. Passwords that are programmed to activate Relay #00 will activate the on-board relay. Passwords that are programmed to activate the remote relays will activate the respective relays, in addition to activating Relay #00.

A 4-pin IDC socket allows the user to connect the handheld programmer (optional) to view and edit the passwords for each relay.

Specification

Operating Voltage	12 to 26 VDC
Relay	1 unit On-board 6A @250VAC or 12A @ 28VDC
Relay security code	12 sets (4 digits code)
Relay feature	Programmable 1 sec to 99 sec
Programming Connector	4 pin IDC socket
PSTN Connector	RJ11 socket
Data communication	RS485

2) Slave remote tele-elevator-relay board

The remote tele-elevator-relay board allows the user to connect remote relays up to 100 meters away. Before using the remote tele-elevator-relay board, the user has to set the address of the relay board.

Programming the remote relay controller

1. Hold the program button for more than 1 second.
   The first LED will start to flash. This means that the address of the board is set to 1, meaning it will receive commands for Relay #1 to Relay #10.

2. To change the relay address, press the program button once. The LED will shift once. When the desired address is set, hold the program button for more than 1 second to exit, or let the relay board timeout after 15 seconds and exit by itself.

Specification

Operating Voltage	12 to 26 VDC
Relay	10 units On-board 6A @250VAC or 12A @ 28VDC
Relay security code per relay	4 sets (4 digits code)
Relay feature	Programmable 1 sec to 99 sec
Relay output	C and N.O

3) Programmer unit

To use the programmer unit, simply connect the 4-pin IDC cable supplied to the main database controller.

On connection, the LCD will display

Device detected

After which it will prompt for the security code (default = 1234)

Enter security
code : xxxx

If this is the first time entering, it will prompt for a new security code

New security
code : xxxx

After which it will enter Mode A

Relay #00-01
code : xxxx

Mode A: To change relay codes
Mode B: To change relay latch timing
Mode C: To change security code

A) Mode A:
Enter code for each relay

Relay #00-01
code : xxxx

Here Relay #00 refers to the on-board relay.
Up to 12 codes can be programmed for Relay #00.
Up to 4 codes can be programmed for the other relays.

1	2	3	A
4	5	6	B
7	8	9	C
*	0	#	D

* = previous code for current relay
# = next code for current relay
A = previous relay
B = next relay
C= backspace
D = confirm
Device
Detected

The system checks if a duplicate code has been entered

Relay #00-01 **code: 1234 DUP**	or	**Relay #00-01** **code: 1234 OK!**

If a duplicate is detected, the screen will show “DUP”. Otherwise, the screen shows “OK!” and the code is stored in the memory.

B) Mode B:
Enter latch timing

Relay latch time
(1s-99s) : xx

The screen shows a confirmation “OK!”

Relay latch time in
sec : xx

C) Mode C:

It will prompt for a new security code

New security
code : xxxx

After which it will enter Mode A

Relay #00-01
code : xxxx