

# ACCESS CONTROL SYSTEM

## VIZIT-6M



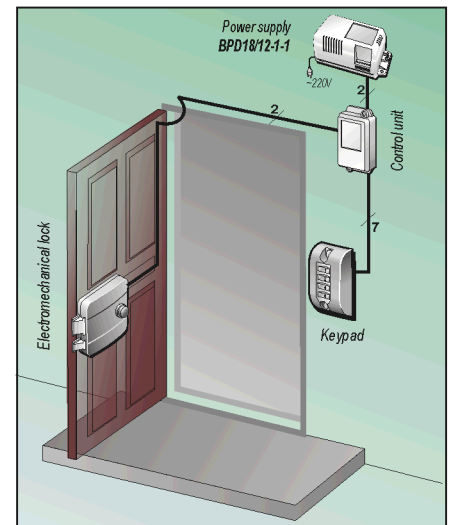
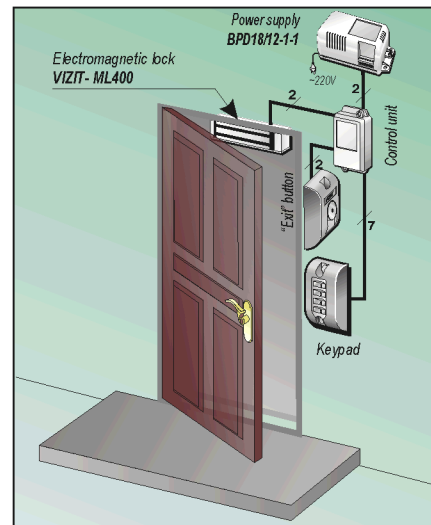
### KEYPAD CODE CONTROL UNIT

#### Features:

- The entrance door unlocking by dialing the access code
- The entrance door unlocking by pressing the "EXIT" button inside the entrance
- Beep sounds while pressing the keypad buttons and door unlocking
- Access code: programmable with jumpers
- Number of digits in access code: from 3 to 6
- Number of variants of access code: from 64 to 4096

MODEL		VIZIT-6M
Operating voltage, VDC		18 ± 6
Current consumption, mA	stand-by mode	5
	unlocking mode	25
Temperature range	keypad	from -40°C to +45°C
	control unit	from +5°C to +45°C
Power supply		BPD18/12-1-1
Electromagnetic lock		VIZIT-ML300, VIZIT-ML400(S)
Electromechanical lock		12V 1.5A max
Dimensions, mm	keypad	75 x 47 x 22
	control unit	135 x 75 x 35
Weight, kg, no more		0.4

#### Examples of VIZIT-6M wiring diagrams



## OPERATING INSTRUCTION

The access control keypad code control unit **VIZIT – 6M** (in further - product) is intended for access control in auxiliary, industrial, inhabited premises.

### FEATURES

- The entrance door unlocking by dialing the access code;
- The entrance door unlocking by pressing the "EXIT" button inside the entrance;
- Beep sounds while pressing the keypad buttons and door unlocking;
- Access code: programmable with jumpers;
- Number of digits in access code: from 3 to 6;
- Number of variants of access code: from 64 to 4096.

### TECHNICAL SPECIFICATIONS

Operating voltage, VDC	from 12 to 24	Max. switchable current, A	1.5 @ 15 VDC
Current consumption, mA, no more	30	Dimensions, mm:	
Unlocking duration can be set to:	(1-2) or (5-8) seconds	Keypad	47 x 75 x 22
Door lock control:	NO or NC relay contact	Control unit	75 x 135 x 35

### OPERATING CONDITIONS

- ambient temperature range:
  - keypad from -40°C to +45°C
  - control unit from 1°C to +45°C
- relative humidity of air:
  - keypad up to 98 % @ 25°C
  - Control unit up to 93 % @ 25°C

### PARTS LIST

Keypad	1 pc
Control unit	1 pc
Operating instruction	1 pc
Package	1 pc

### SAFETY INSTRUCTIONS

This product does not contain voltage above 25 VDC.  
Do not make any repair at the powered product.

**NOTE:** Door lock and power supply unit are available optionally.

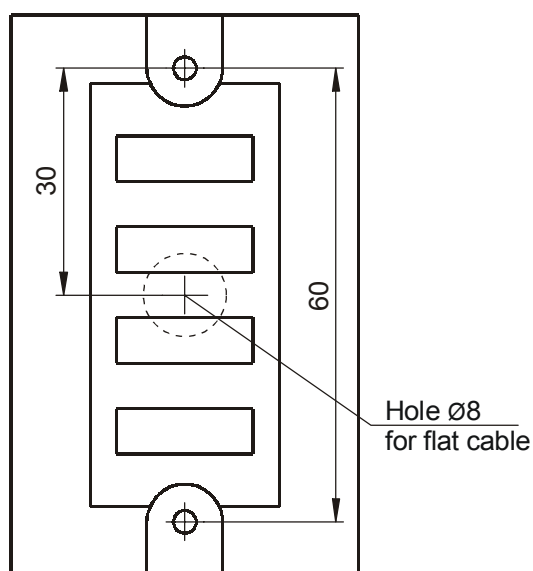


Figure 1 - Template for keypad mounting.

### INSTALLATION

Keypad is to be installed at the entry door or near it.  
Template for keypad mounting is given on Figure 1.  
The direct hit of rain and snow at the keypad is not permitted!

The control unit is to be installed in any convenient place of a premise and fastens by the screws.

The "EXIT" button is to be installed indoors near a door in case of use the electromagnetic lock.

It's allowed to connect the control unit and lock to one power supply, as is shown on figure 2 (in case of use the electromagnetic lock VIZIT-ML400, for example) or figure 3 (in case of use the electromechanical lock). If the lock has large current consumption or interference takes place then separate power sources should be used for control unit and lock. Two-channel power supply unit BPD18/12-1-1 or other similar one can be used.

Perform necessary connections according to wiring diagrams shown on figures 2 and 3.

The first wire in flat cable going from keypad is marked with different color.

## INITIAL SETTINGS

Before turning on the product remove the cover off the control unit and set the jumpers to proper positions.

**NOTE:** To avoid the damage do not make any settings at the powered product!

Set "NO-NC" jumper according to the lock operation modes. Electromagnetic lock opens when voltage is cut off, so the jumper must be set to NC position (normally closed relay contacts), as shown on figure 2.

Electromechanical lock opens when voltage is applied, so the jumper must be set to NO position (normally open relay contacts), as shown on figure 3.

Set the duration of unlocking (1 sec. or 5 sec.) with "1s - 5s" jumper.

5 sec is for electromagnetic lock, while 1 sec is for electromechanical one.

Lock	"NO - NC"	"1s - 5s"
Electromagnetic "VIZIT-ML400"	NC	5s
Electromechanical (1.5 A max.)	NO	1s

### Number of digits in access code

Number of digits affects the number of variants of access code (see below) and may be set from 3 to 6 (by default).

Set the desired number of digits by "5/6/3/4" jumper.

### Access code

Access code may be set by connecting **K0 – K5** jumpers to **01/02/04/08** terminals which correspond to **1, 2, 4, 8** keypad buttons.

The default setting is **224881**; jumpers are connected to terminals the next way:

JUMPER	K0	K1	K2	K3	K4	K5
TERMINAL	02	02	04	08	08	01

Any other access code may be set similar way, for example: **142812**.

Connection table looks as follows in this case:

JUMPER	K0	K1	K2	K3	K4	K5
TERMINAL	01	04	02	08	01	02

The next access codes will be valid depending upon the number of digits (see above):

DIGITS	VARIANTS	ACCESS CODE
6	$4^6=4096$	142812
5	$4^5=1024$	14281
4	$4^4= 256$	1428
3	$4^3= 64$	142

Close the cover when finished.

## OPERATING PROCEDURE

After installation and initial settings check all connections and turn on the power supply.  
LED lights at the keypad.

Dial valid access code – lock opens for 1 or 5 seconds, beep sounds.  
About 10 seconds are given for dialing the code. After that the control unit returns to stand-by mode.

For exit press “EXIT” button inside the entrance.  
Lock opens as usual, and the control unit returns to stand-by mode.

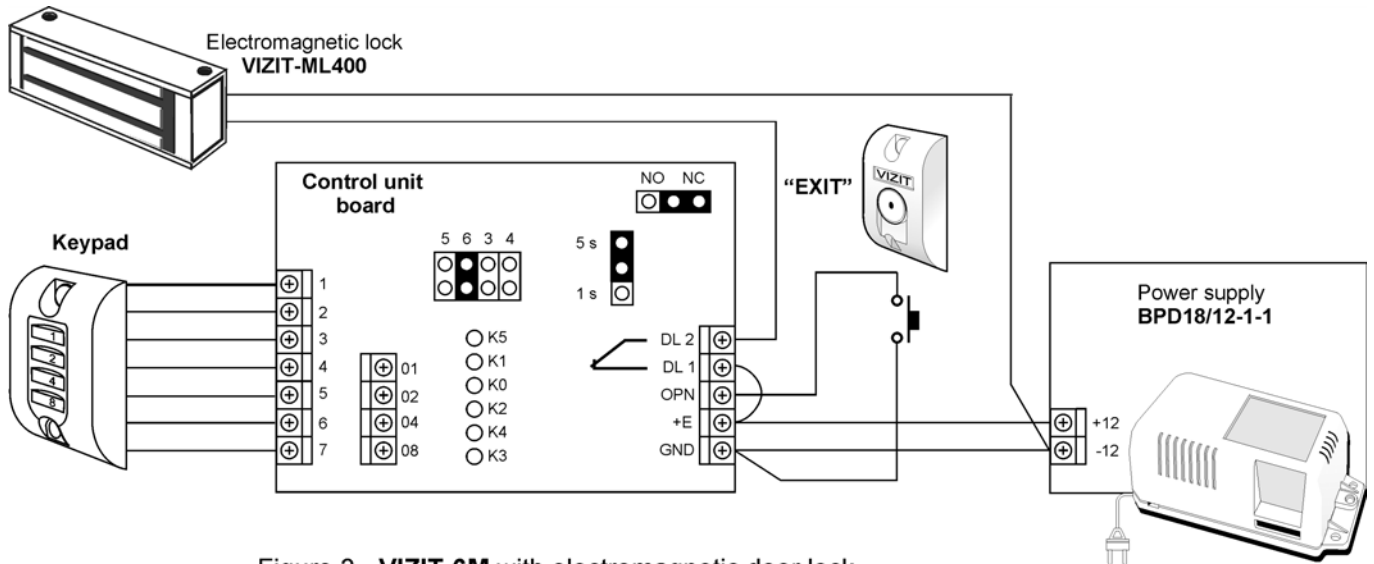


Figure 2 - **VIZIT-6M** with electromagnetic door lock.

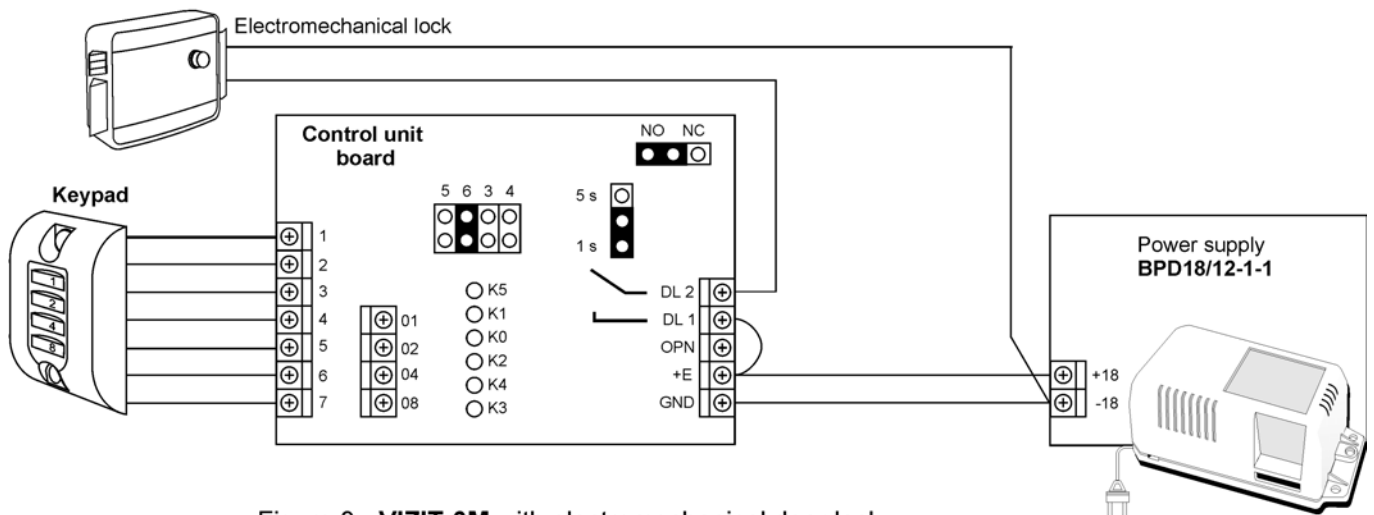


Figure 3 - **VIZIT-6M** with electromechanical door lock.

Next abbreviations are used in this instruction:

NO = normally open contact  
NC = normally closed contact  
DL1, DL2 = Door Lock contacts

OPN = Open  
+E = Supply voltage  
GND = Ground