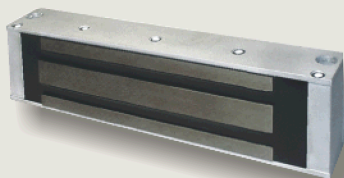


LOCKS & ACCESSORIES

VIZIT-ML300 VIZIT-ML400



Electromagnetic lock **VIZIT-ML400/300** with built-in degaussing module

Electromagnetic lock **VIZIT-ML400/300** is designed for door locking in access control systems. Lock should be mounted on the inner side of door opening outside. It is highly recommended to use the door closer.

Electromagnetic lock **VIZIT-ML400/300** has no built-in timer

MODEL	VIZIT-ML300	VIZIT-ML400
Operating voltage, VDC	9 ... 15	
Holding force, kg (U=12V)	300	400
Power consumption (U=12V), W	7.2	
Temperature range	from -40°C to +45°C	
Power supply	BPD18/12-1-1	
Dimensions, mm	190 x 55 x 55	225 x 55 x 55
Weight, kg	3.5	4.5

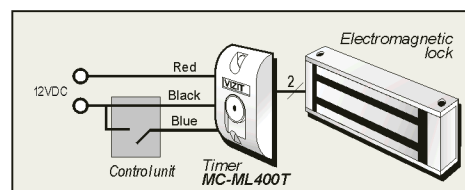
VIZIT-ML400T



Timer & indoor "EXIT" button for electromagnetic lock

Timer **MC-ML400T** is intended for use with electromagnetic lock **VIZIT-ML300/400** or similar as current commutating device.

Timer has built-in "EXIT" button and must be mounted near the door inside the entrance.



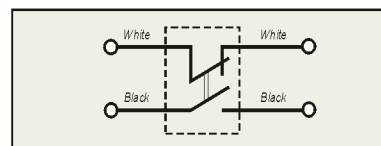
MODEL	MC-ML400T
Operating voltage, VDC	9 ... 15
Unlocking time duration, sec	5 ... 10
Max. Switchable current, ADC	1.5
Temperature range	from -40°C to +45°C
Dimensions, mm	75 x 47 x 22
Weight, kg	0.1

"EXIT" button



"EXIT" button for electromagnetic lock

"EXIT" - button is intended for door opening in **VIZIT** doorphone system in case of use the electromagnetic lock (**VIZIT-ML400** or similar) with built-in degaussing module.



MODEL	"EXIT" button
Max. switchable current, ADC	1
Temperature range	from -10°C to +50°C
Dimensions, mm	75 x 47 x 22
Weight, kg	0.1

OPERATING INSTRUCTION

Electromagnetic lock **VIZIT-ML400/300** is designed for door locking in access control systems. Lock should be mounted on the inner side of door opening outside. It is highly recommended to use the door closer. Electromagnetic lock **VIZIT-ML400/300** has no built-in timer and should be used jointly with **MC-ML400T** timer or **VIZIT-KTM600** touch memory controller or **VIZIT-SM** doorphone or any other device that allows unlocking of the lock for 5 - 7 seconds.

SPECIFICATIONS

	<u>ML400</u>	<u>ML300</u>
Voltage range:	9-15 V	9-15 V
Holding force (U=12V):	400kg +10% -15%	300kg +10% -15%
Power consumption:	7.2VA (U=12V)	7.2VA (U=12V)
Lock size:	225x55x50 mm	190x55x50 mm
Weight:	3.6 kg	2.9 kg

PARTS LIST

Lock VIZIT-ML400/300	1pc.
Armature plate	1pc.
Mounting plate	1pc.
Installation kit	1pc.
Package	1pc.
Operating instruction	1pc.

OPERATION CONDITIONS

Ambient temperature range:	-40°C up to +45°C
Relative humidity of the air:	up to 98% at 25°C.

SAFETY INSTRUCTIONS

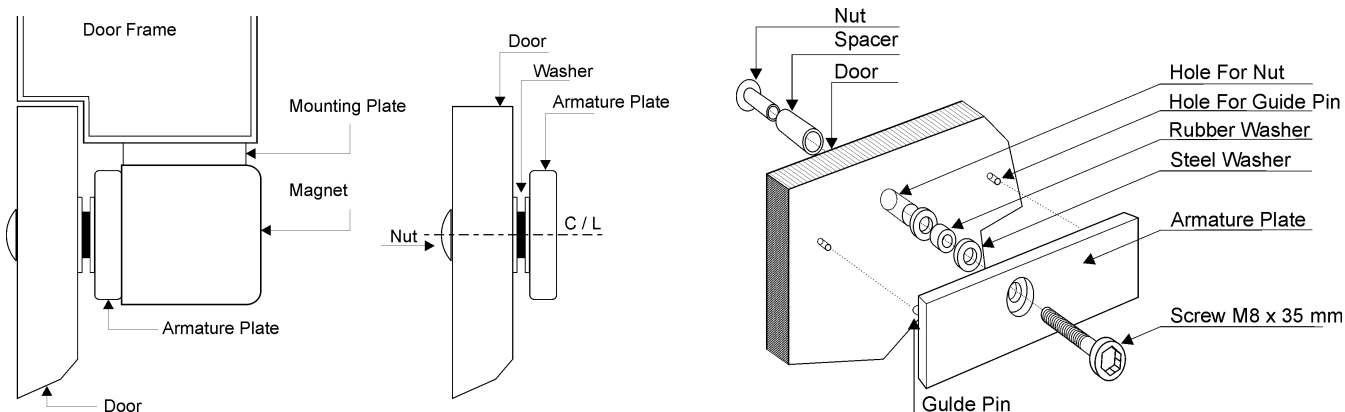
To avoid lock breaking this device should be mounted in power-off state.

MOUNTING

IMPORTANT: Handle the equipment with care, damaging the mating surfaces of the magnet or armature plate may reduce locking efficiency.

Installation order is as follows:

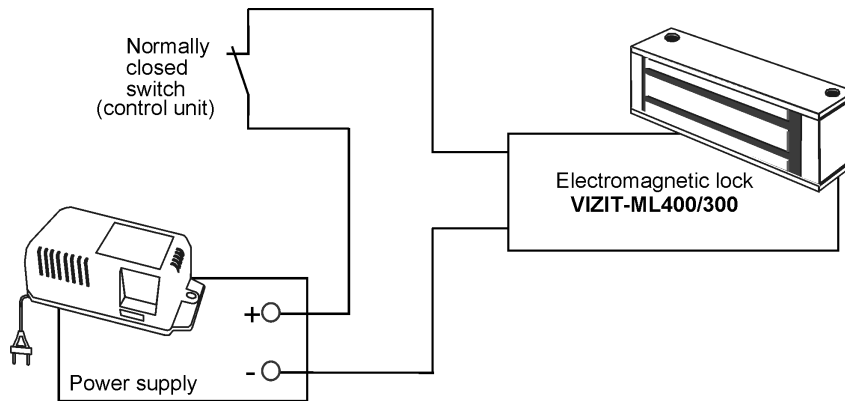
- The magnet should be mounted rigidly on the inner side of door to the frame by attaching it to mounting plate, using provided installation kit (Pic.1).
- The armature plate should be mounted to the door with installation kit that allows it to pivot about its centre to compensate a door wear and misalignment.
- Fix the armature plate not too tightly, and make the rubber washer more flexible, in order to make the armature plate automatically adjust its proper position with the magnet.
- Firmly tighten all screws.



Pic.1

CONNECTION

Connect electromagnet with control unit and power supply according to Pic. 2. Terminals have no polarity. Cross section of wires must not be less than 0.45 mm^2 (wire diameter 0.75 mm).



Pic.2

IMPORTANT: Degaussing unit is integrated into the lock's case together with magnet coil.

OPERATION CHECK

Check all connection. Switch on the power supply, armature plate must be attracted to electromagnet. Perform operations for unlocking (switch normally closed contacts to "OFF" position). Electromagnet must release the armature plate to free state, and the door may be opened now.

OPERATING INSTRUCTION

Timer is intended for use with electromagnetic lock **VIZIT-ML300/400** or similar as current commutating device. Timer has built-in **"EXIT"** button and must be mounted near the door inside the entrance. Timer is controlled by normally open contacts of the doorstation, videomonitor or "EXIT" button.

Shorting the CONTROL wire (blue) to the GROUND wire (black) for a while by normally open contacts forces the timer to interrupt the current flowing through the lock for a few seconds (figure 1).

Timer may also be controlled by normally closed contacts of the doorstation (figure 2). In this case the current begins to flow through the lock with a few seconds delay after the contacts get close back.

SPECIFICATIONS

Input voltage, VDC :	9 - 15
Max. switchable current, A :	1.5
Unlocking time duration, sec :	from 5 to 10
Operating conditions:	
ambient temperature range:	from -10°C to +50°C
relative humidity of air:	up to 93 % @ 25°C
Dimensions, mm :	75 x 47 x 22
Wiegth, kg :	0.1

PARTS LIST

Timer	1pc.
Accessories	1pc.
Operating instruction	1pc.

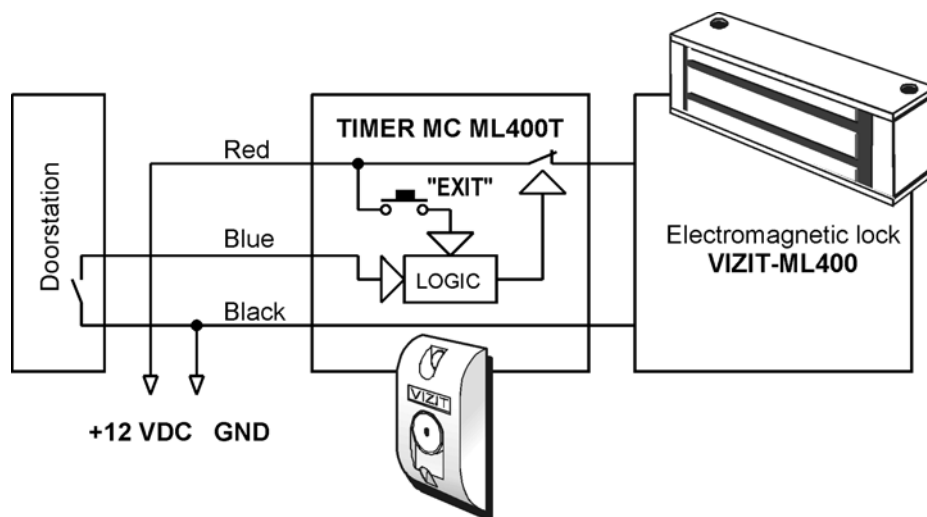


Figure 1 - **MC ML400T** timer controlled by N.O. contacts of the doorstation.
Connection diagram example.

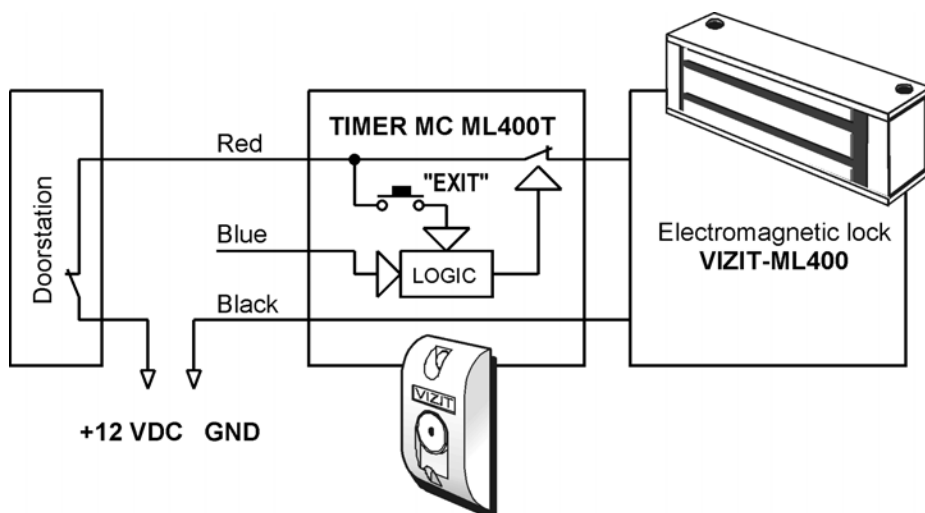


Figure 2 - **MC ML400T** timer controlled by N.C. contacts of the doorstation.
Connection diagram example.

EXIT- BUTTON

OPERATING INSTRUCTION

EXIT - button is intended for door opening in **VIZIT** doorphone system in case of use the electromagnetic lock (**VIZIT-ML400** or similar) with built-in degaussing module.

SPECIFICATION

One N.O. and one N.C. contacts
with max. switchable current: up to **1 A @ 24 VDC**
Operating conditions:
 ambient temperature range: from **-10 to +50°C**
 relative humidity of air: up to **93% @ 25°C**
Dimensions, **mm**: **75x47x22**
Weight, **kg**: **0.1**

PARTS LIST

EXIT – button	1pc.
Accessories	1pc.
Operating Instruction	1pc.

INSTALLATION

EXIT – button should be mounted near the door inside the entrance.

Template for mounting is given on Fig.1.

Connect the wires according to doorphone wiring diagrams or using the example on Fig. 2.

There's no dangerous voltage inside button.

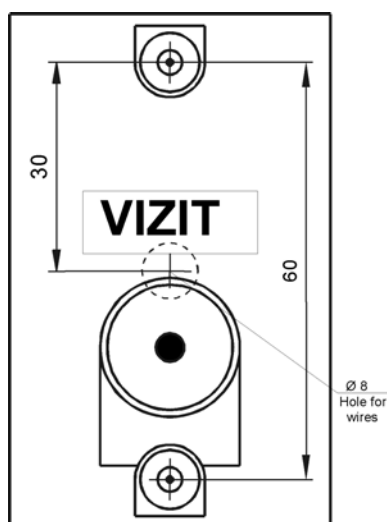


Fig. 1 – Template for mounting

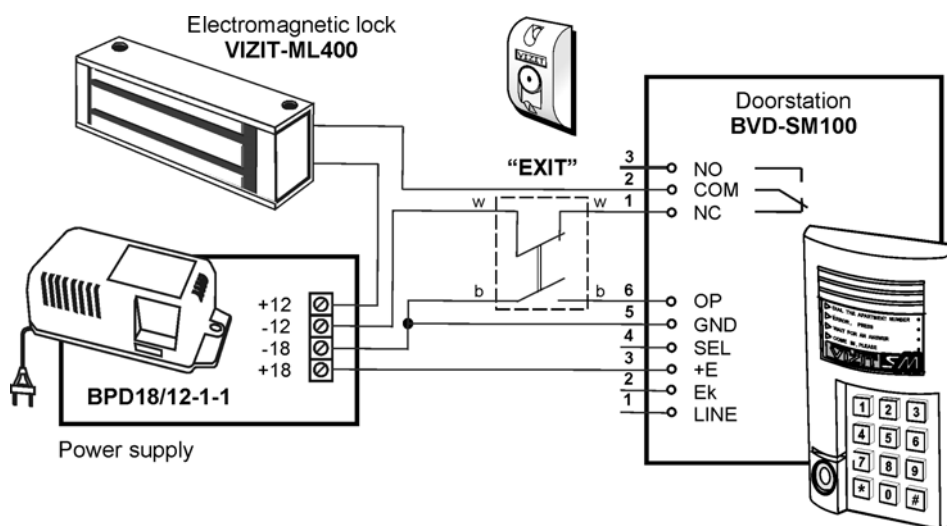


Fig. 2 – Wiring diagram example

w – w (white) - normally closed contact (NC)

b – b (black) - normally open contact (NO)

NC contact brakes the current and guarantees opening of a door in any circumstances.