




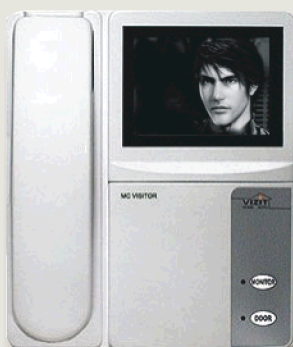
EQUIPMENT FOR APARTMENT VIDEODOORPHONES

400-SERIES MONITORS FOR APARTMENT VIDEODOORPHONES

Features:

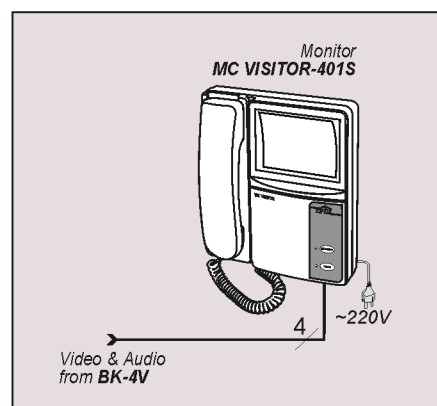
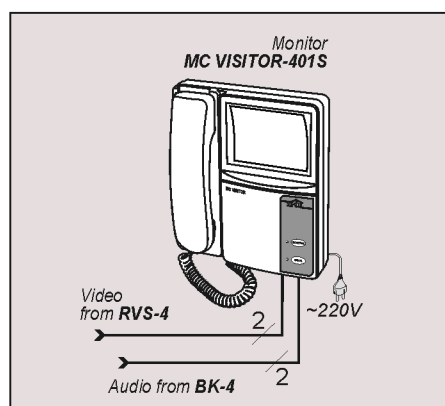
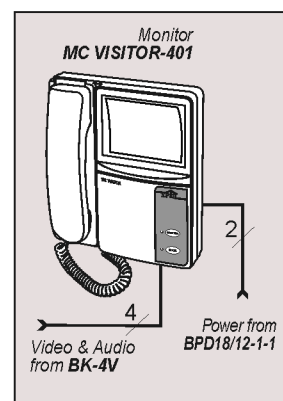
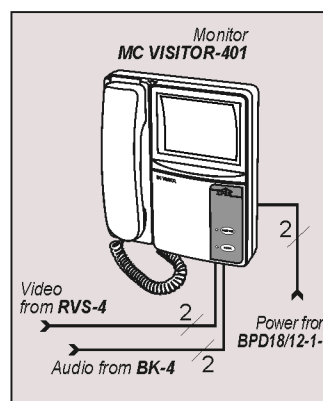
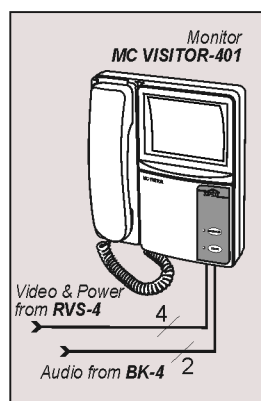
- Call to subscriber at pressing  button on doorstation
- Duplex intercom between visitor and subscriber
- Operation with additional handset or monitor
- Operation with two doorstations (entrance and apartment)
- Videomonitoring of an entrance or apartment door zone ( **MONITOR** button)
- Entrance door unlocking ( **DOOR** button)
- LED indication of operating modes
- Ringer volume, brightness and contrast adjustment

MC VISITOR-401 MC VISITOR-401S



B&W monitors

MODEL	MC VISITOR-401	MC VISITOR-401S
Videosystem	CCIR, Monochrome	
Audio / video inputs	One / one	
Operating voltage	$+(16 \dots 21) \text{ VDC}$	$\sim 110 \div 240; 50-60 \text{ Hz}$
Power consumption	8 W max.	15 VA max.
Lock voltage	$+(16 \pm 0.5) \text{ VDC}$, continuous: 0.9A max / pulse: 1.5A max	
Temperature range	from $+5^{\circ}\text{C}$ to $+40^{\circ}\text{C}$	
Power supply	BPD18/12-1-1	built-in
Dimensions, mm	200 x 235 x 82	
Weight, kg	1.2	1.4



OPERATING INSTRUCTION

MC VISITOR-401 monitor is intended for use in 'VIZIT' videodoorphones.

MC VISITOR-401 is B&W image monitor.

FEATURES

- Call to subscriber at pressing "🔔" button on doorstation
- Duplex intercom between visitor and subscriber
- Videomonitoring of an entrance / apartment door zone
- Entrance door unlocking at pressing **DOOR** button on the monitor
- LED indication of operating modes
- Ring volume, brightness and contrast adjustment at the monitor

MONITOR SPECIFICATIONS

Supply voltage, VDC ,	16...21
Self power consumption, W , max	8
Input videosignal,	CCIR, 1 V p-p
Dimensions, mm	200x235x82
Weight, kg	1.2

PARTS LIST

Monitor MC VISITOR-401 , pc.	1
Accessories (montage kit), pc.	1
Operating instruction, pc.	1
Package box, pc.	1

OPERATING CONDITIONS

Ambient temperature range: from + 5°C to + 40°C;
Relative humidity of air: up to 93% at 25°C.

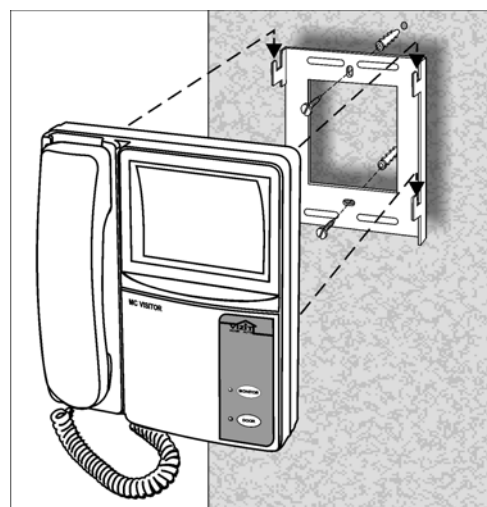
NOTE. Parts lists and specifications of doorstation and other devices, which may be incorporated into videodoorphone system, are given in their instructions.

SAFETY INSTRUCTIONS

ATTENTION! Switched on monitor contains high voltage. To avoid damage or an electric shock do not perform connections or repair when power is on!

INSTALLATION ORDER

1. Mount the monitor on a wall by means of steel mounting bracket and screws from the montage kit (picture 1).
2. Terminals layout is given on picture 2.
3. Connect all wires to corresponding terminals at monitor's rear panel according to pictures 4-6.



Picture 1 - Mounting drawing.

C					
B					
A					

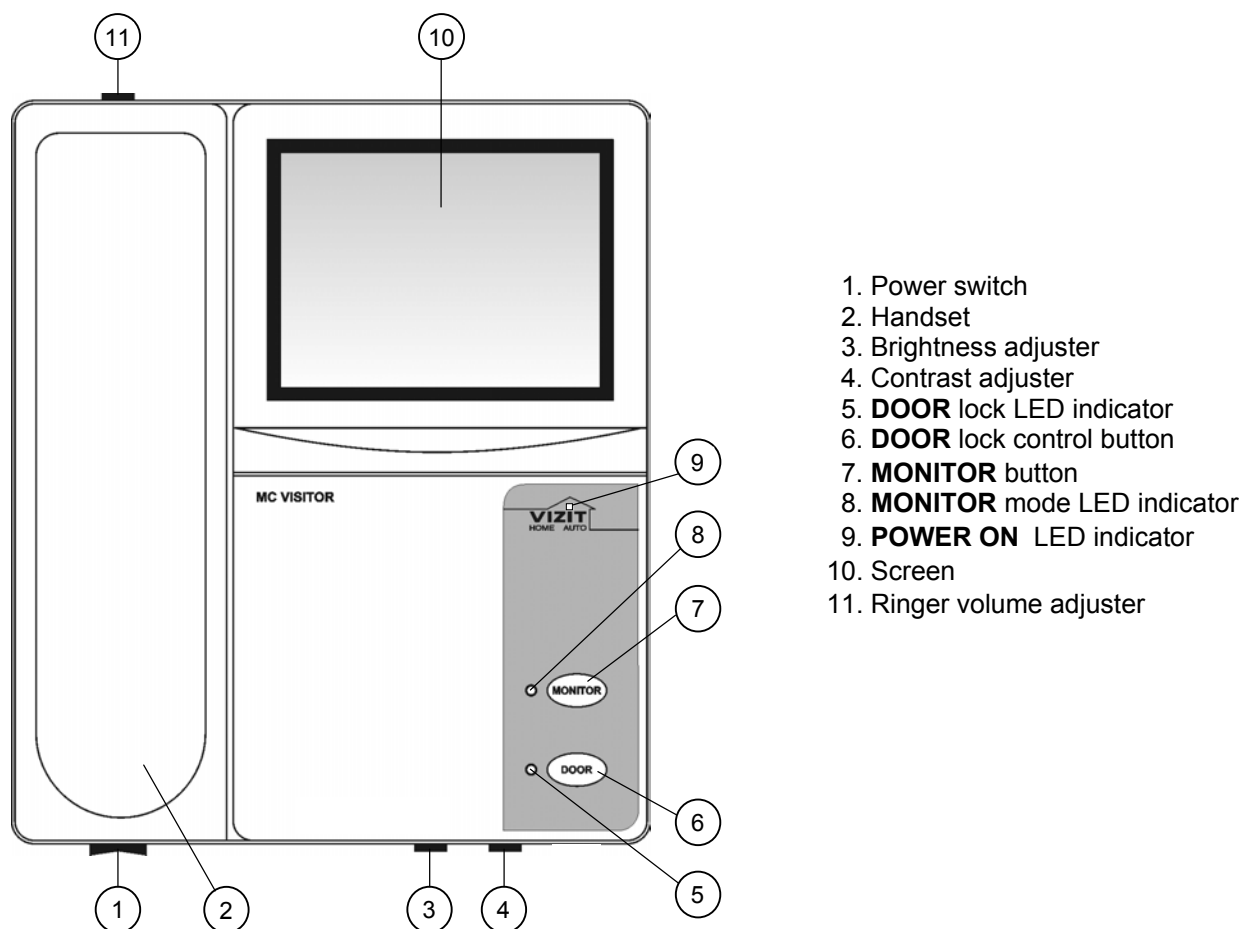
Picture 2 - Terminals layout and designation.

Acceptable cross-section of wires depends on their length (see next table).

CIRCUIT	LENGHT, m			
	10	20	50	80
Monitor ↔ Doorstation	0.05	0.10	0.2	0.5
Monitor ↔ El. Mech. lock (I = 1.5A max)	0.20	0.35	1.0	1.5
Monitor ↔ El. Magn. lock (VIZIT-ML400)	0.10	0.20	0.5	0.75
Cross-section, mm ² , min				

ATTENTION! Impedance of an electromechanical lock should not be less than 10 Ω.
Impedance of an electromagnetic lock should not be less than 20 Ω.

Installation order of doorstation and other devices, which may be incorporated into videodoorphone system, is given in their instructions.



Picture 3 - Operating controls and indicators layout.

FUNCTIONAL CHECK AND OPERATING ORDER

Before switching on the power please verify all electric connections

- ⚡ Switch on the power with switch **1**. LED **9** glows.
- 🔔 Press "🔔" button at the doorstation. Two-tone call signal rings simultaneously at doorstation and monitor while button is pressed. Adjust ringer volume with adjuster **11**, if necessary.
- 📞 Pick up the handset **2** and check duplex communication with the doorstation. Set brightness and contrast with adjusters **3** and **4**.
- 🔑 Press **DOOR** button **6**. LED **5** glows, entrance door unlocks.
- 📞 Hang up the handset. Monitor screen shuts off, stand-by mode activates.
- ☐ Press **MONITOR** button **7** for a short while. LED **8** glows, an image from doorstation's camera appears on the screen.
Press the **DOOR** button - entrance door unlocks. At 65 ± 10 sec. expiration after **MONITOR** button pressing stand-by mode activates.
- 👂 Pick up the handset in stand-by mode (without a call signal) - duplex communication sets between monitor and doorstation, an image appears on the screen. Entrance door unlocks at **DOOR** button pressing.

If the handset is not hung up longer than 65 ± 10 sec., then stand-by mode activates automatically.

NOTE: Videomonitoring without CALL signal in any time is only available if **MC VISITOR-401** is powered from individual power supply via B8 (+Eind) terminal.

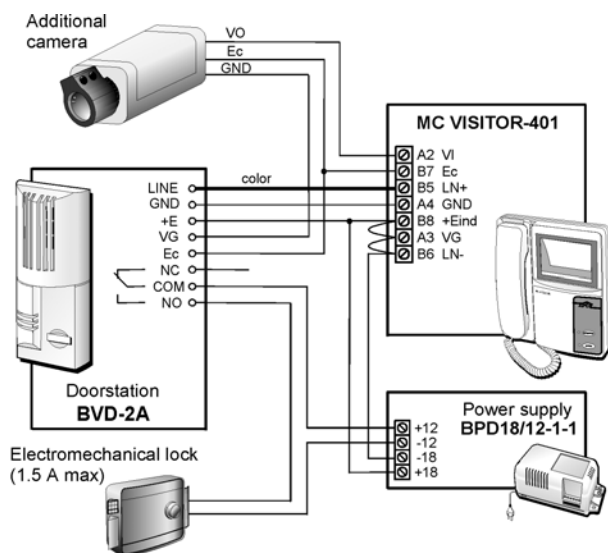


Figure 4 - Connection diagram for **MC VISITOR-401** with **BVD-2A** doorstation and additional outdoor camera.

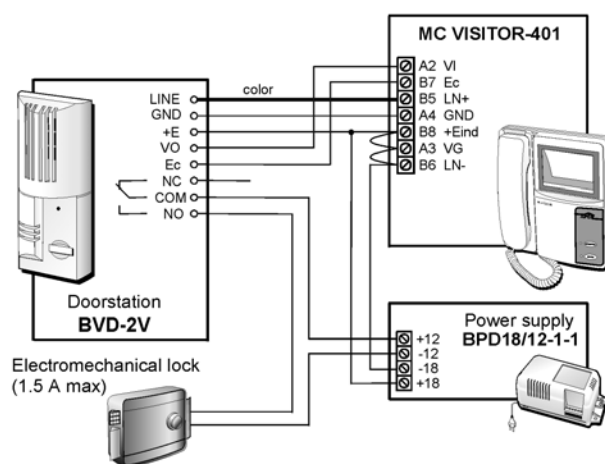


Figure 5 - Connection diagram for **MC VISITOR-401** with **BVD-2V** doorstation.

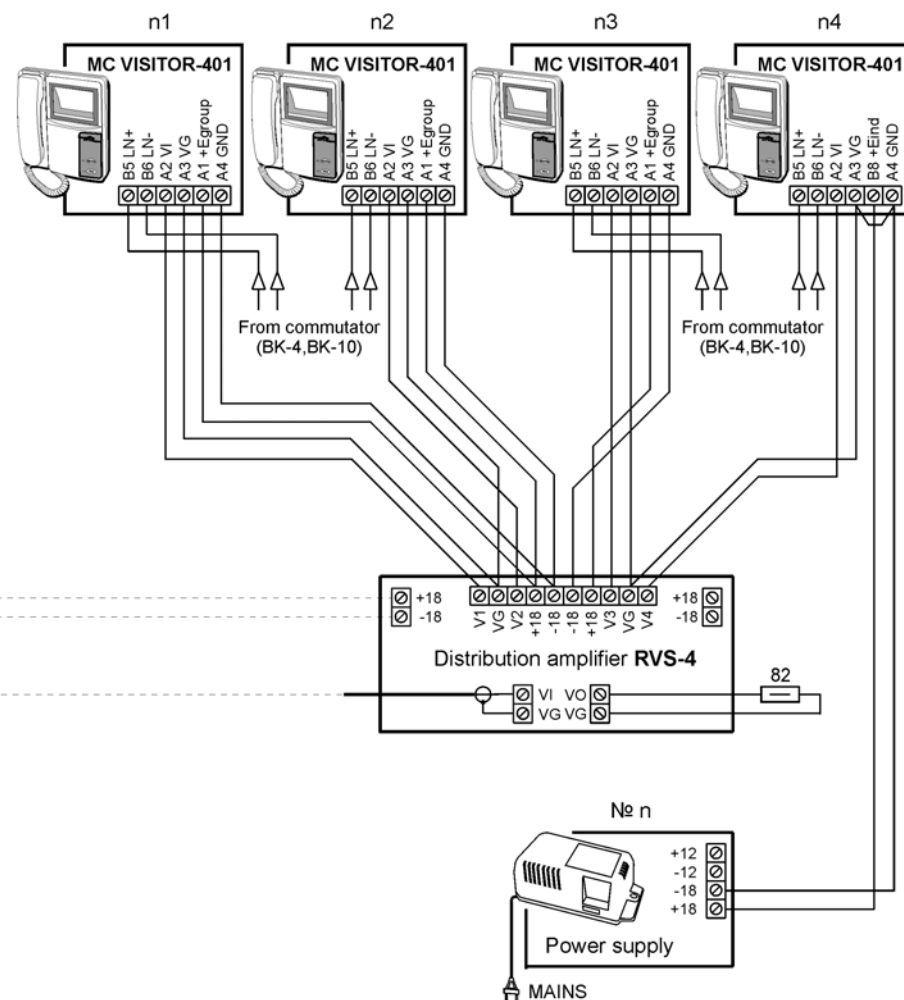
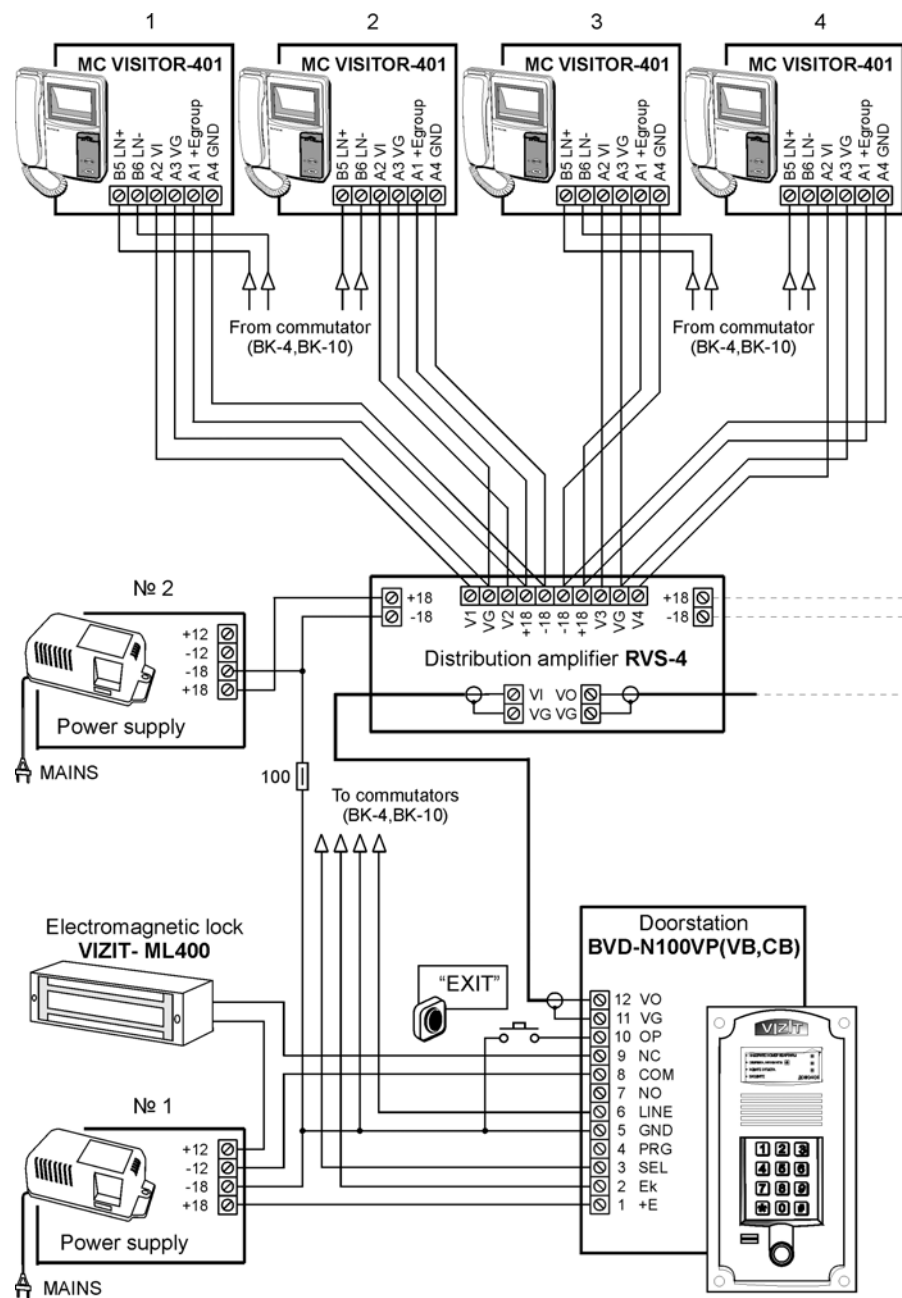


Figure 6 - Connection diagram for **MC VISITOR-401** in videodoorphone system.

OPERATING INSTRUCTION

MC VISITOR-401S monitor is intended for use in 'VIZIT' videodoorphones.

MC VISITOR-401S is B&W image monitor

FEATURES

- Call to subscriber at pressing "🔔" button on doorstation
- Duplex intercom between visitor and subscriber
- Videomonitoring of an entrance / apartment door zone
- Entrance door unlocking at pressing **DOOR** button on the monitor
- LED indication of operating modes
- Ring volume, brightness and contrast adjustment at the monitor

MONITOR SPECIFICATIONS

Operating voltage (50 - 60 Hz), V	110...240
Self power consumption, VA, max	15
Dimensions, mm	200x235x82
Weight, kg	1.4

PARTS LIST

Monitor MC VISITOR-401S , pc.	1
Accessories (montage kit), pc.	1
Operating instruction, pc.	1
Package box, pc.	1

OPERATING CONDITIONS

Ambient temperature range: from + 5°C to + 40°C;
Relative humidity of air: up to 93% at 25°C.

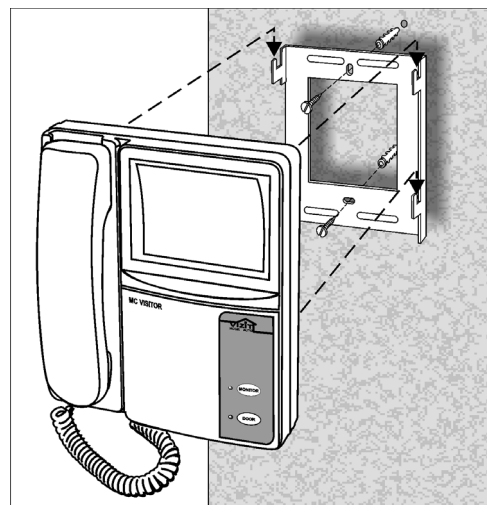
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C					
B					
A					

Terminal	Circuit	Application
B5	LN+	Monitor - doorstation communication line
B6	LN -	Monitor - doorstation grounding wire
B7	Ec	Power for doorstation's camera
B8	+15V out	Power for additional equipment
A1	+15V out	Power for additional equipment
A2	VI	Video input
A3	GND	Grounding wire
A4	GND	Grounding wire

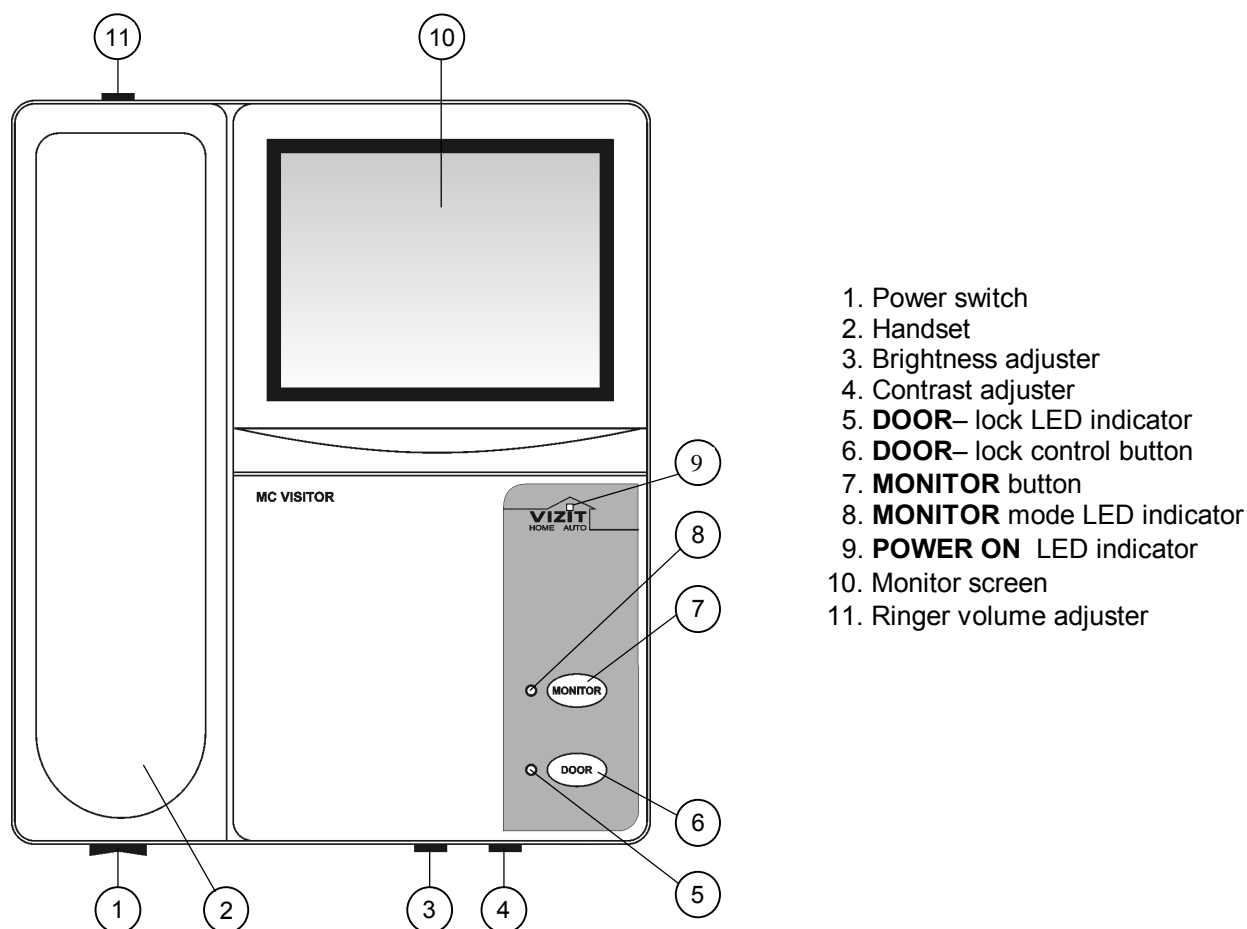
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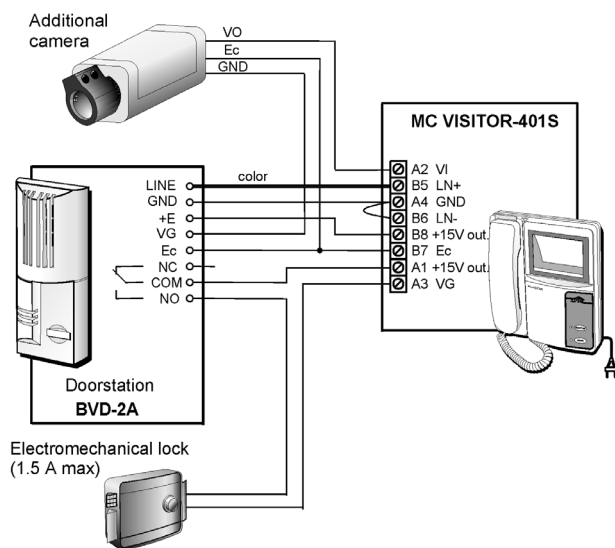


Figure 4 - Connection diagram for **MC VISITOR-401S** with **BVD-2A** doorstation and additional outdoor camera.

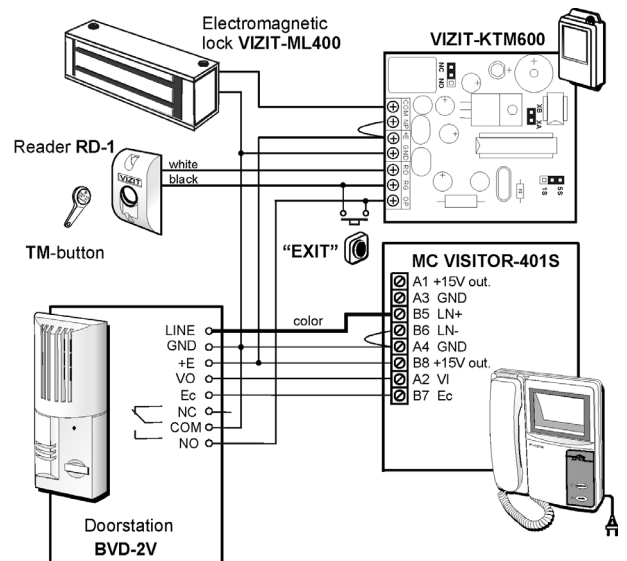
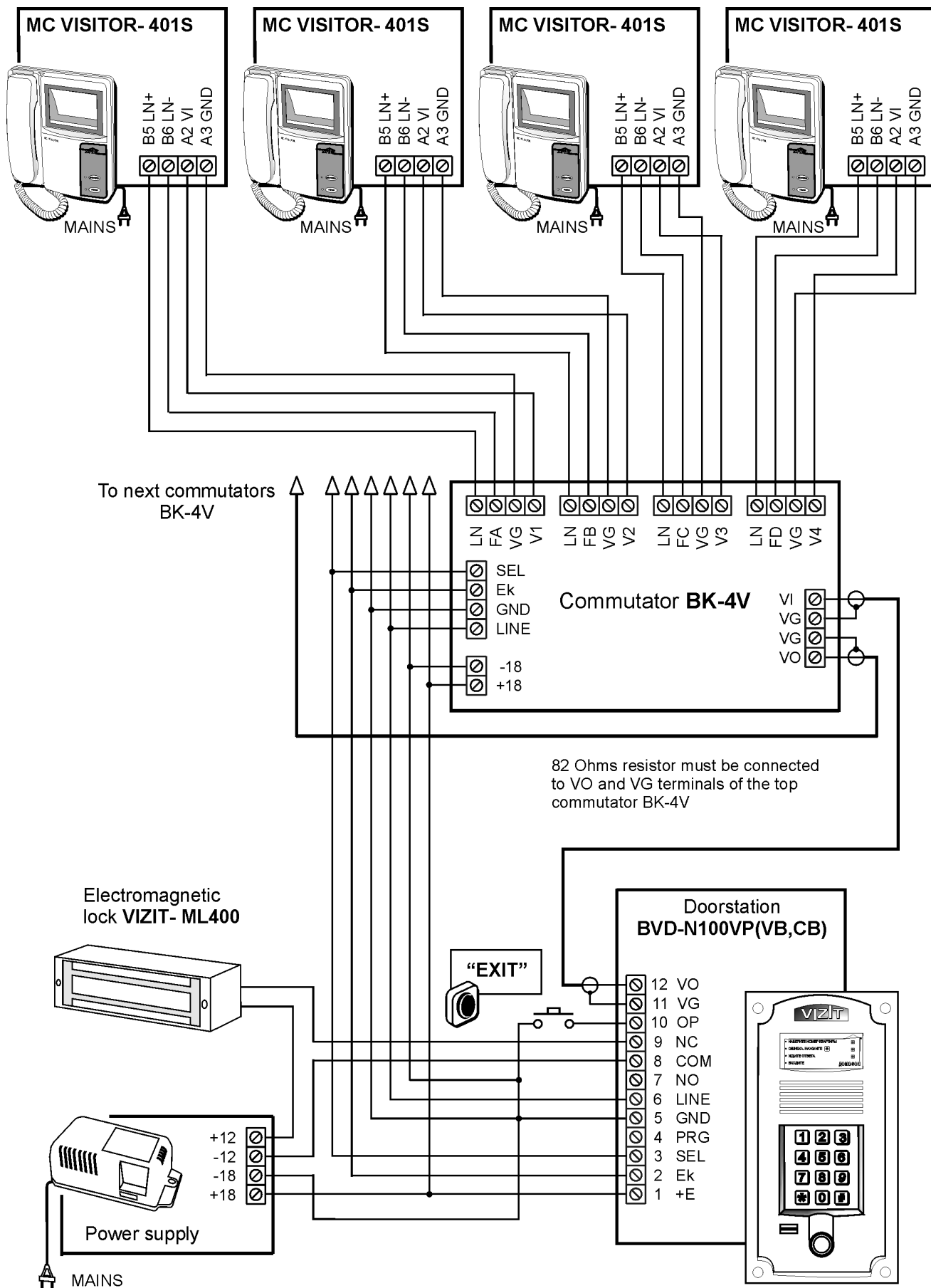


Figure 5 - Connection diagram for **MC VISITOR-401S** with **BVD-2V** doorstation, electromagnetic lock **VIZIT-ML400** and TM-button controller **VIZIT-KTM600**.



Picture 6 - Connection diagram for **MC VISITOR-401S** in **VIZIT-N** videodoorphone.