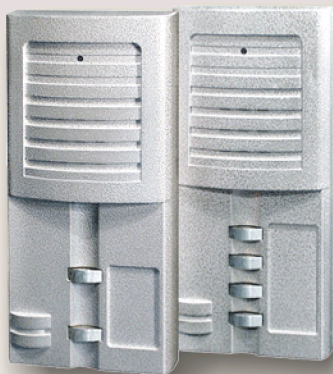


DOORSTATIONS FOR APARTMENT DOORPHONES, VIDEODOORPHONES

BVD-4A-2(4)
BVD-4V-2(4)

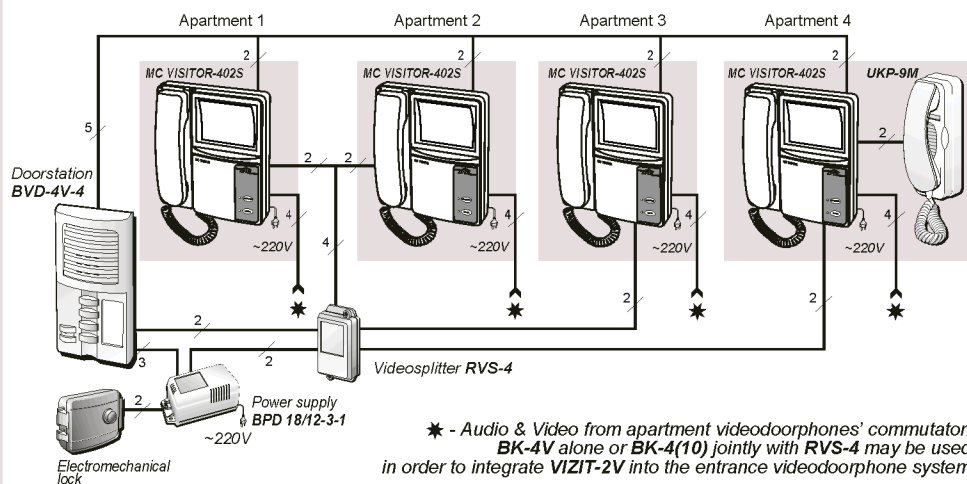
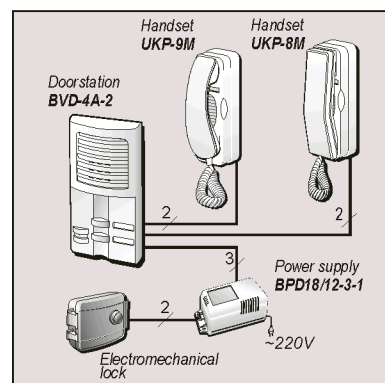
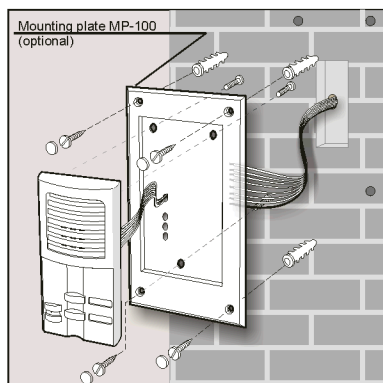


Features:

- Call to subscriber
- Duplex intercom between visitor and subscriber
- Videomonitoring of the door zone via monitor (except for **BVD-4A**)
- Entrance door unlocking at pressing **DOOR** button at handset or monitor

Audio doorstation for **VIZIT-4A** doorphone

Doorstation with built-in camera for **VIZIT-4V** videodoorphone



Maximum length of wires

CIRCUIT		LENGTH, M		
		Diameter 0.3 mm	Diameter 0.5 mm	Diameter 0.75 mm
Audio	Doorstation - monitor (handset)	20	50	100
Video	Doorstation - monitor	20	50	100
Power	Power supply - doorstation	—	25	50
	Power supply - lock	—	25	50
		Cross-section 0.07 mm ²	Cross-section 0.2 mm ²	Cross-section 0.5 mm ²

MODEL	BVD-4A-2	BVD-4A-4	BVD-4V-2	BVD-4V-4
Number of subscribers	2	4	2	4
Videosystem	—————		CCIR, Monochrome	
380 tvl, 0.2 lux				
pinhole, 90°				
Apartment equipment	UKP-8, -8M, -9M, -11; MC VISITOR-401(S), -402(S,M)			
Operating voltage, VDC	+(16 ... 21) VDC			
Temperature range	from -40°C to +45°C		from -30°C to +45°C	
Power supply	BPD18/12-3-1			
Dimensions, mm	175 x 90 x 30			
Weight, kg	0.6			

OPERATING INSTRUCTION

BVD-4 doorstation (in further - device) is intended for use jointly with **MC VISITOR-401(S)**, **-402S** videomonitors or **UKP-8(M)**, **UKP-9M**, **UKP-11** handsets as video and audio communication device for two or four subscribers.

4 versions of **BVD-4** doorstation are available:

- BVD-4A-2** Audidoorstation for 2 subscribers
- BVD-4A-4** Audidoorstation for 4 subscribers
- BVD-4V-2** Doorstation with built-in B&W camera for 2 subscribers
- BVD-4V-4** Doorstation with built-in B&W camera for 4 subscribers

FEATURES

- **Call to subscriber when CALL button is pressed on the doorstation**
- **Duplex intercom between visitor and subscriber**
- **Entrance door unlocking at pressing DOOR OPEN button at subscriber's handset or monitor**
- **Beep sounds while entrance door unlocking**
- **Video monitoring of the door zone (BVD-4V-2,-4 or BVD-4A-2,-4 with additional camera)**

SPECIFICATIONS

- Supply voltage, VDC: **16...21**
- Power consumption, W:

BVD-4A	3
BVD-4V	5
- Door lock control: **via power supply**
- Max. switchable current, mA: **25**
- Dimensions, mm: **175 x 86 x 22**
- Weight, kg: **0.6**
- Video System: **CCIR / EIA (optional)**
- Video Output: **1 Vp-p / 75 Ohm**

OPERATING CONDITIONS

- Ambient temperature range:

BVD-4A	from - 40°C to + 45°C
BVD-4V	from - 30°C to + 45°C
- Relative humidity of air: **up to 98 % at 25°C**

PARTS LIST

- | | |
|---------------------------|---------|
| BVD-4 doorstation | 1 pc |
| Operating instruction | 1 pc |
| Accessories kit | 1 pc |
| Mounting plate (optional) | 1 pc |
| Wiring diagrams | 3 pages |

INSTALLATION

First of all it is necessary to study wiring diagrams given in doorphone operating instruction.

ATTENTION! The direct hit of rain or snow onto the doorstation is not permitted. To reduce the influence of the exterior climatic factors it is recommended to protect the doorstation from rain or snow. In this case the reliability is considerably increased.

BVD-4 is to be mounted on vertical surface by means of the mounting plate and screws included in accessories kit. Attach **BVD-4** to the plate using the screws and then attach mounting plate to selected place.

Perform connections according to wiring diagram (see figures 1 – 5 in Appendix). The requirements to connection cables are given on the wiring diagrams.

Device does not contain voltage above 21 VDC. Do not make any repair at the powered device.

BPD18/12-3-1 power supply must be used for feeding the doorstation and other devices (see figures 1,3,4,5 in Appendix).

Before turning on the power remove the **BPD18/12-3-1** cover off and set 3 jumpers to the necessary positions (see figure 1):

1. **"I – U"** jumper must be set to **"U"** position.
2. **"12 – 18"** jumper must be set according to the lock supply voltage. **12** – position is for 12 VDC, **18** – position is for 18 VDC.
3. **"NO-NC"** jumper must be set according to the lock operation modes.
Electromagnetic lock opens when voltage is turned off. So, jumper must be set to NC position (normally closed relay contacts). Electromechanical lock opens when voltage is turned on. So, jumper must be set to NO position (normally open relay contacts).
Note, that relay is turned off in STAND-BY mode.

OPERATION ORDER

Check the correctness and reliability of all connections before powering up the system. Turn on the power supply.

- Press any **CALL** button at the doorstation. Beep sounds at doorstation and corresponding apartment handset or monitor while **CALL** button remains pressed. An image appears on a screen. The system enters the CALL mode for 80 seconds.
- Pick up the handset and check duplex intercom.
- Press **DOOR OPEN** button at handset or monitor. The lock opens and beep sounds while this button remains pressed. When button is released the system returns to intercom mode until 80 seconds are elapsed or handset is hung up. After that the system returns to STAND-BY mode.

If the handset is not picked up during 80 seconds the system automatically returns to STAND-BY mode.

In order to observe a door zone press **MONITOR** button at **MC VISITOR**.

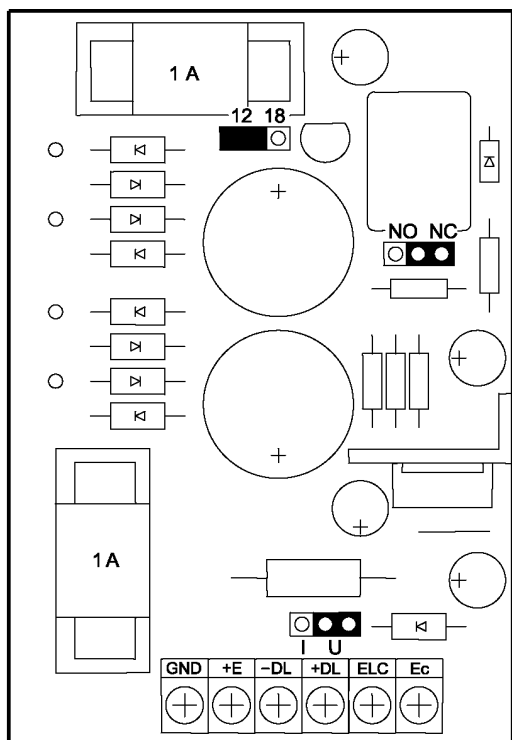


Figure 1 – Power supply board layout.

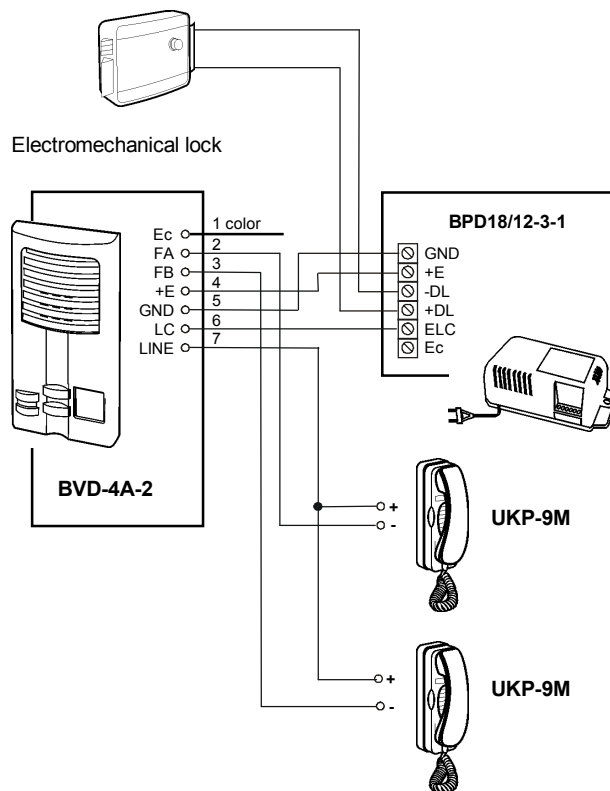


Figure 2 - Connection diagram for **BVD-4A-2** with handsets **UKP-9M** and electromechanical lock.

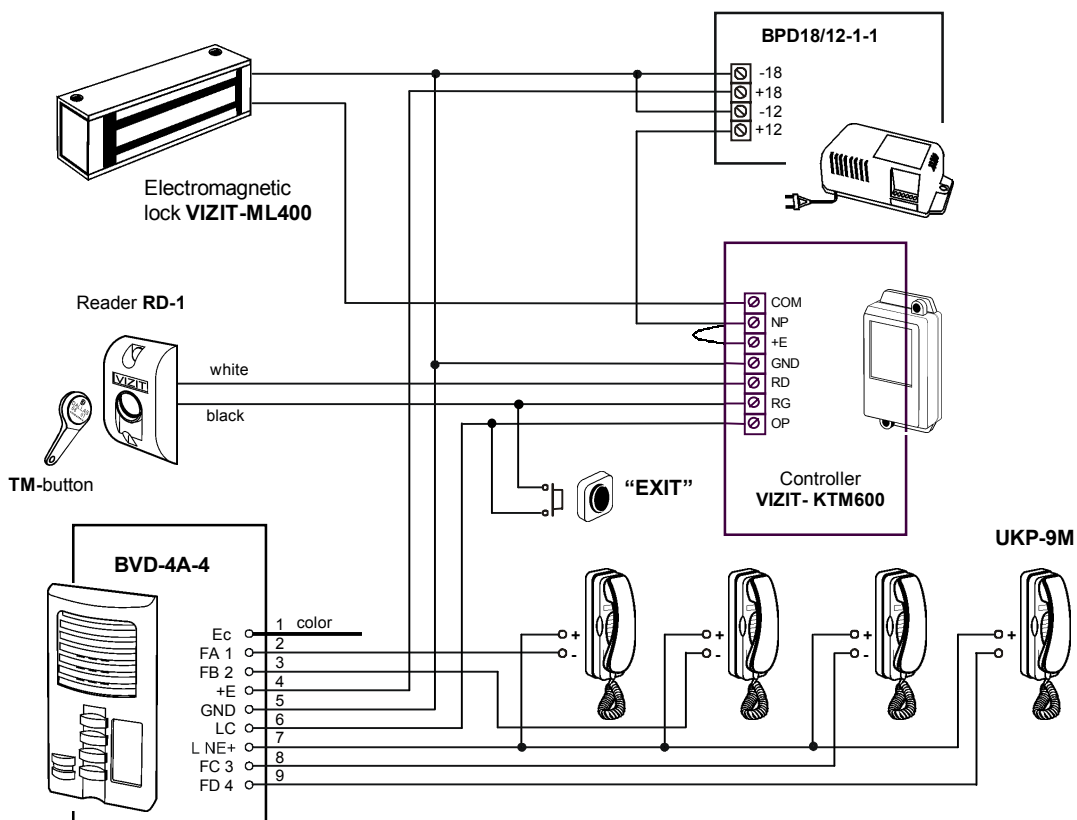


Figure 3 – Connection diagram for **BVD-4A-4** with handsets **UKP-9M**, TM-button controller **VIZIT-KTM600** and electromagnetic lock **VIZIT-ML400**.

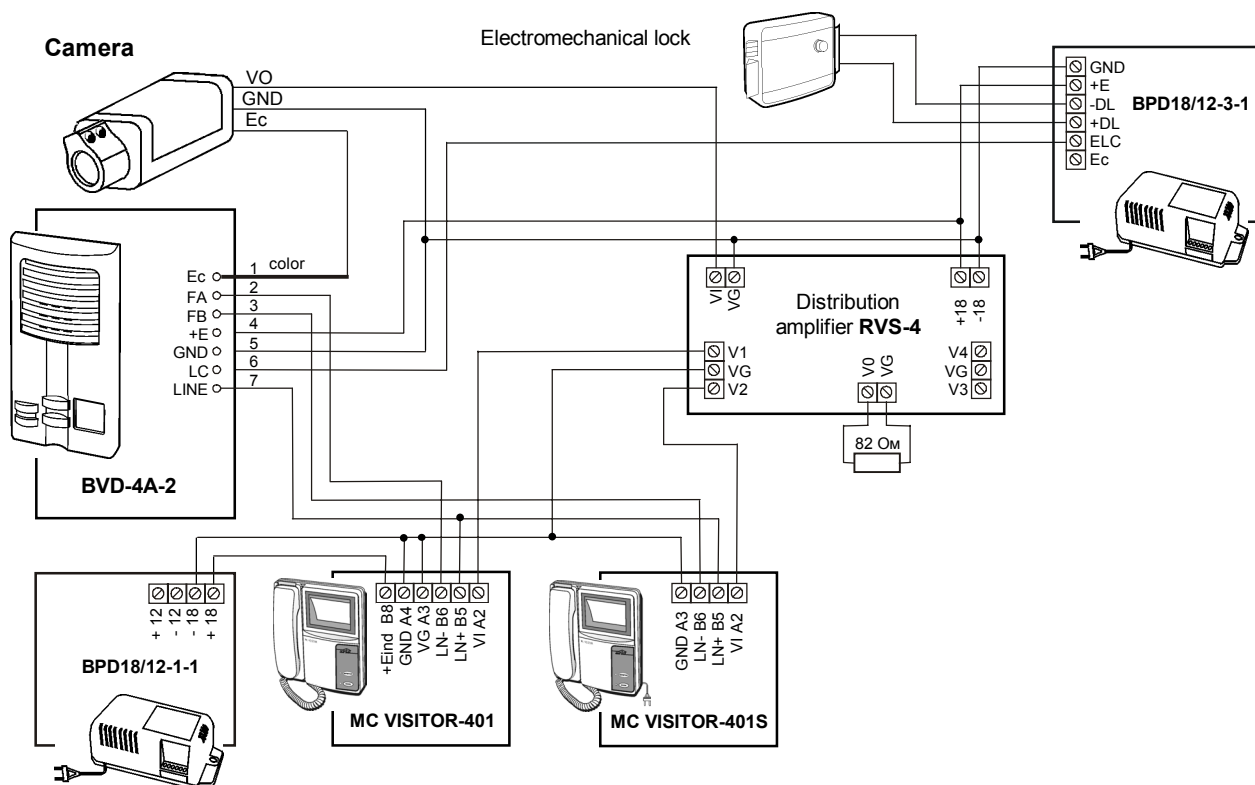


Figure 4 – Connection diagram for **BVD-4A-2** with additional camera, electromechanical lock and monitors **MC VISITOR-401**, **MC VISITOR-401S**.

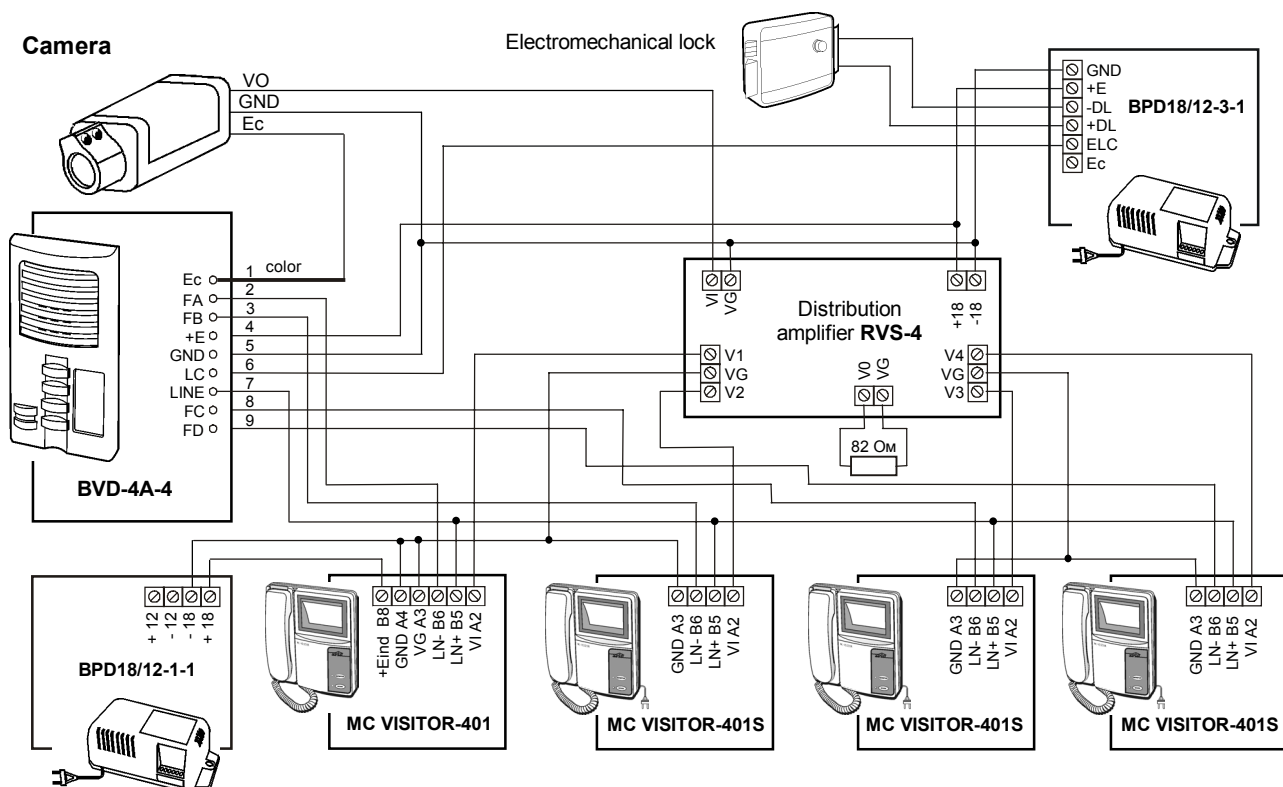


Figure 5 – Connection diagram for **BVD-4A-4** with additional camera, electromechanical lock and monitors **MC VISITOR-401**, **MC VISITOR-401S**.

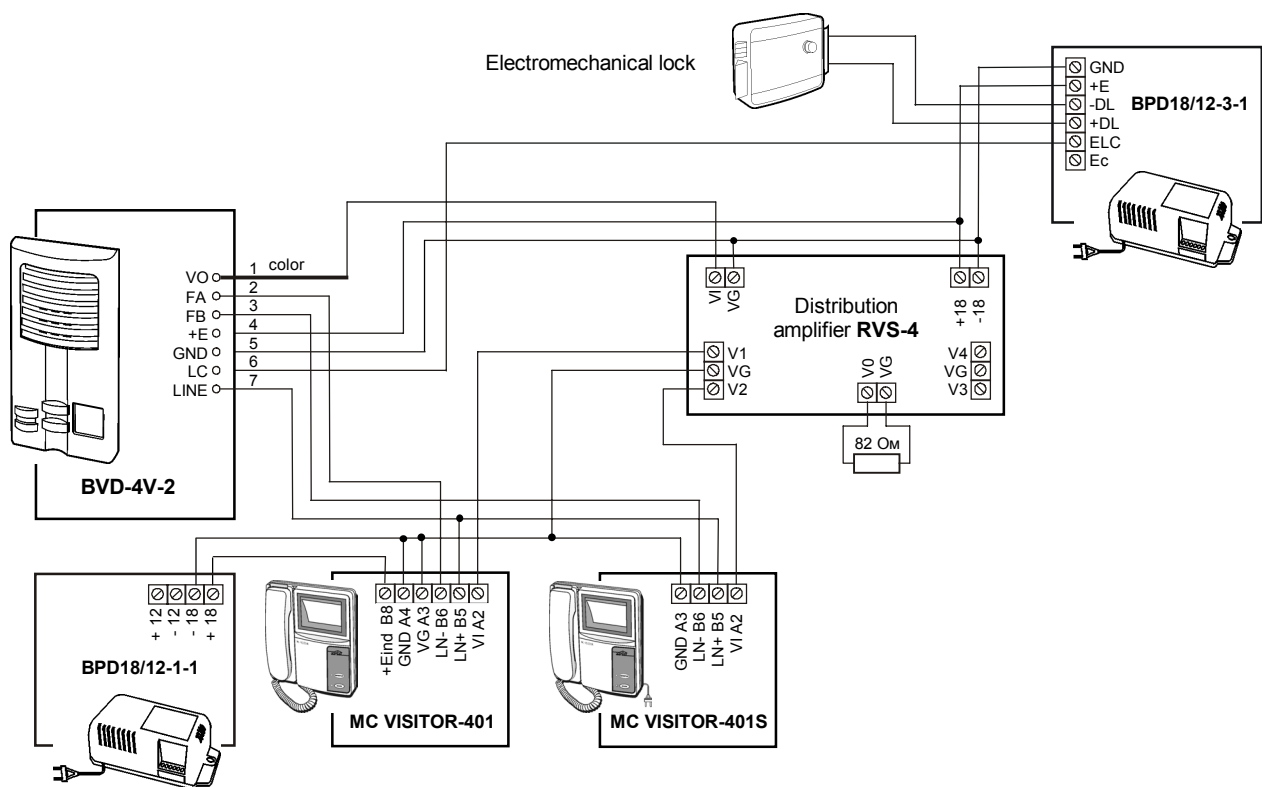


Figure 6 – Connection diagram for **BVD-4V-2** with electromechanical lock and monitors **MC VISITOR-401**, **MC VISITOR-401S**.

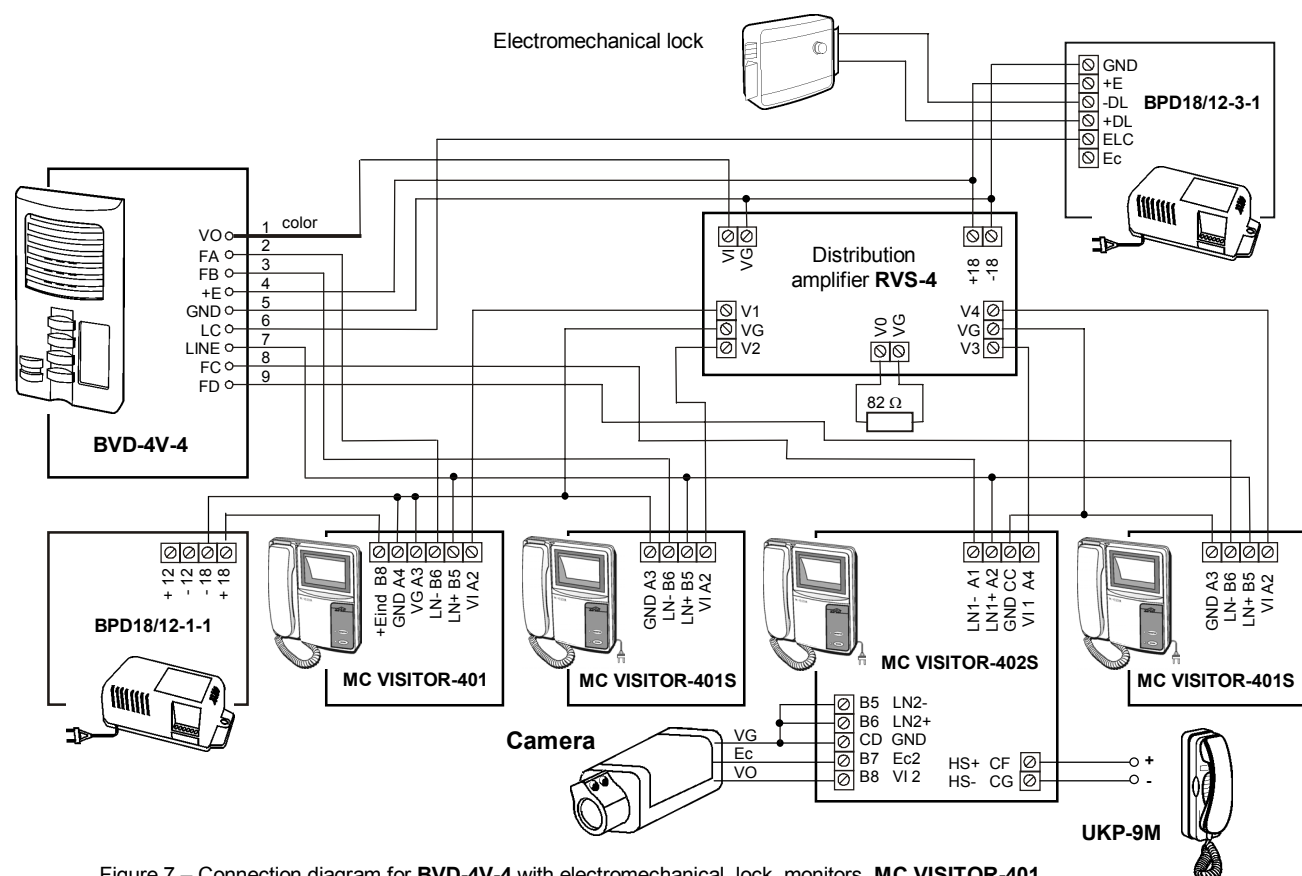


Figure 7 – Connection diagram for **BVD-4V-4** with electromechanical lock, monitors **MC VISITOR-401**, **MC VISITOR-401S**, **MC VISITOR-402S**, handset **UKP-9M** and additional camera.

APPENDIX

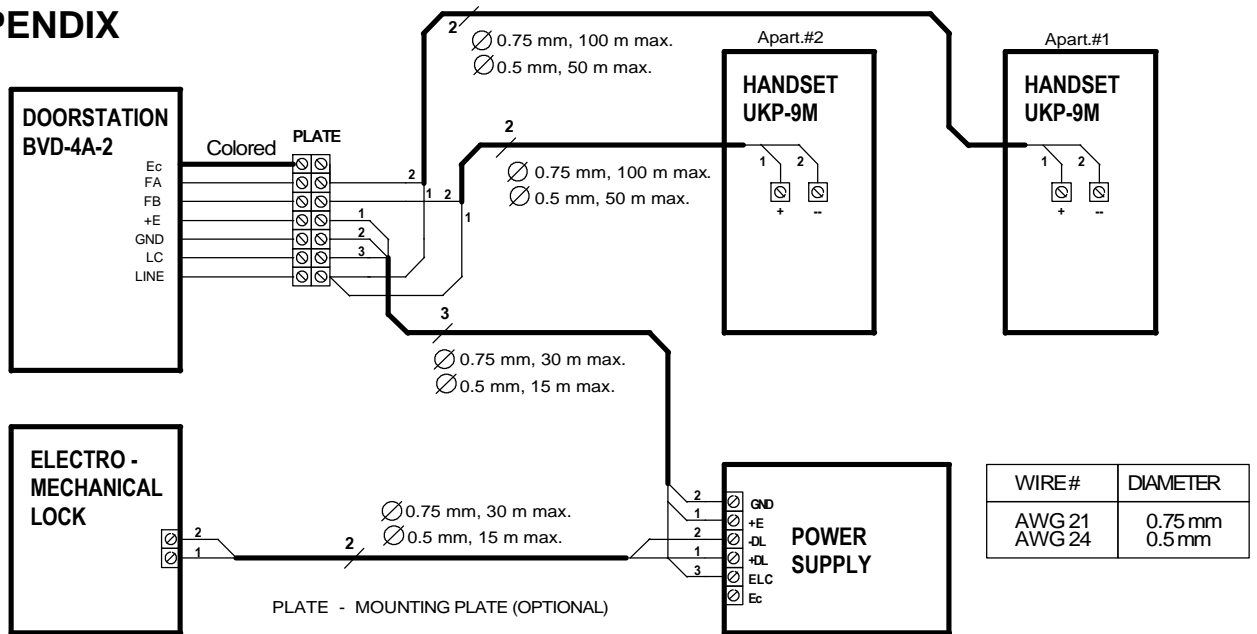


Figure 1. Doorstation BVD-4A-2 wiring diagram with handsets UKP-9M and electromechanical door lock. For 220 VAC mains use BPD18/12-3-1

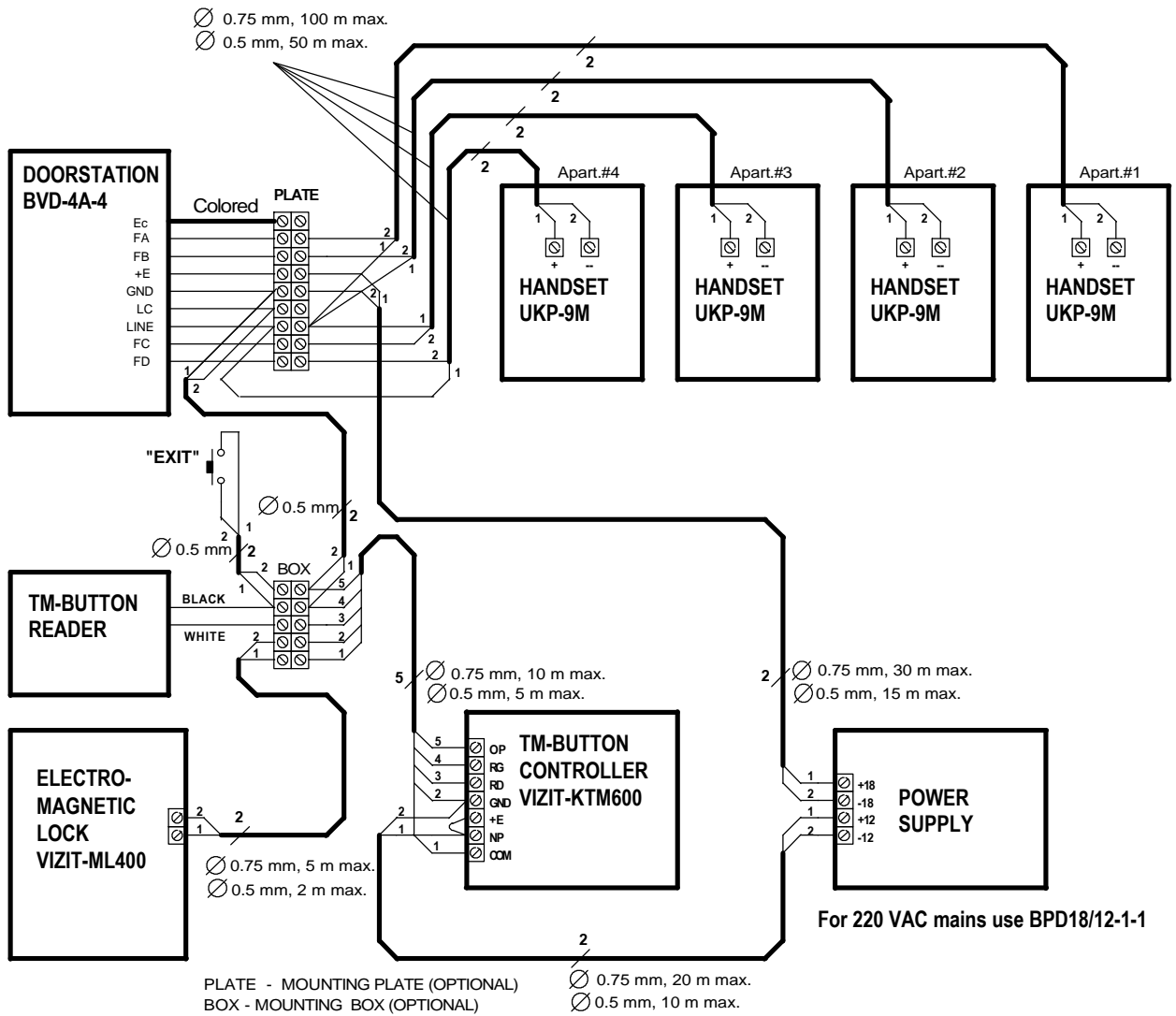


Figure 2. Doorstation BVD-4A-4 wiring diagram with TM-button controller VIZIT - KTM600, handsets UKP-9M and electromagnetic door lock VIZIT-ML400.

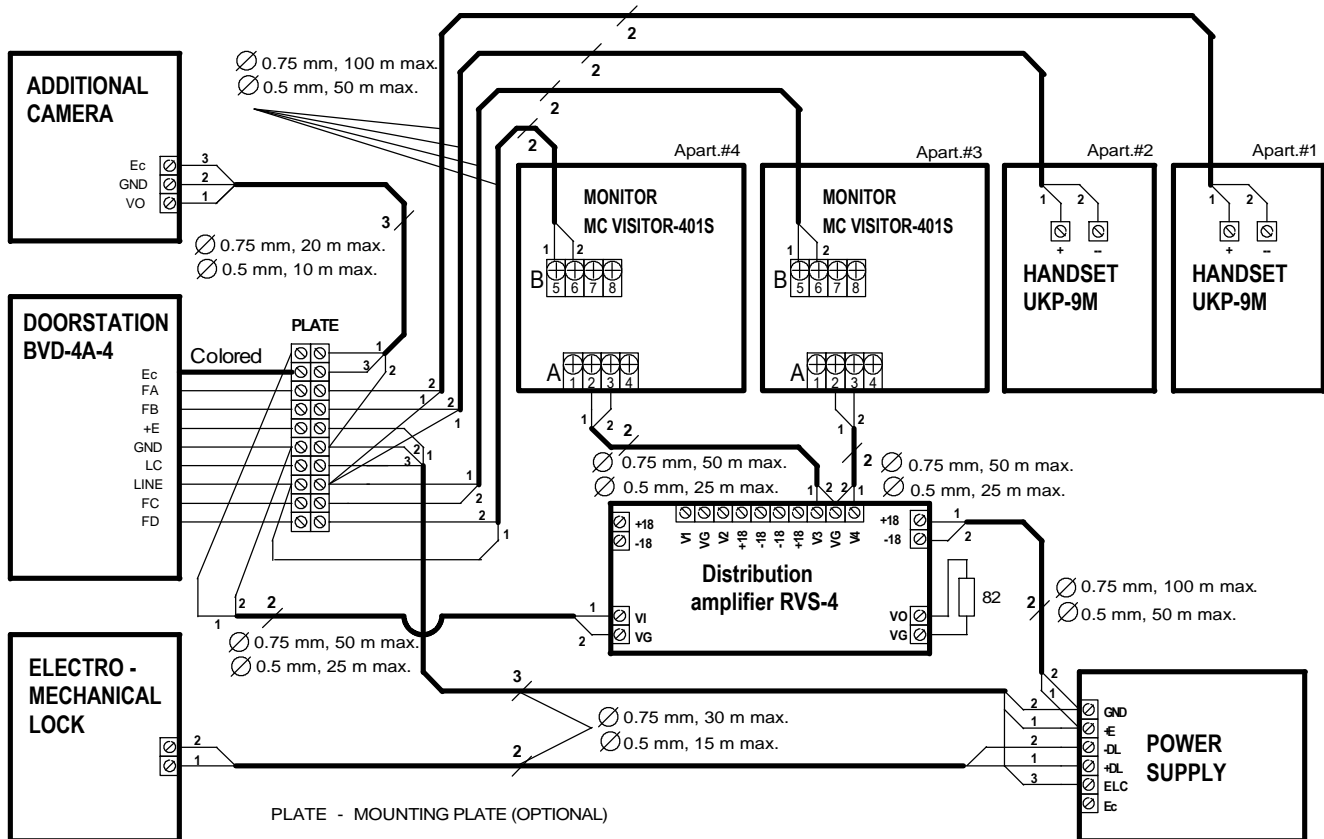


Figure 3. Doorstation BVD-4A-4 wiring diagram with monitors MC VISITOR-401S, handsets UKP-9M, additional camera and electromechanical door lock.

For 220 VAC mains use BPD18/12-3-1

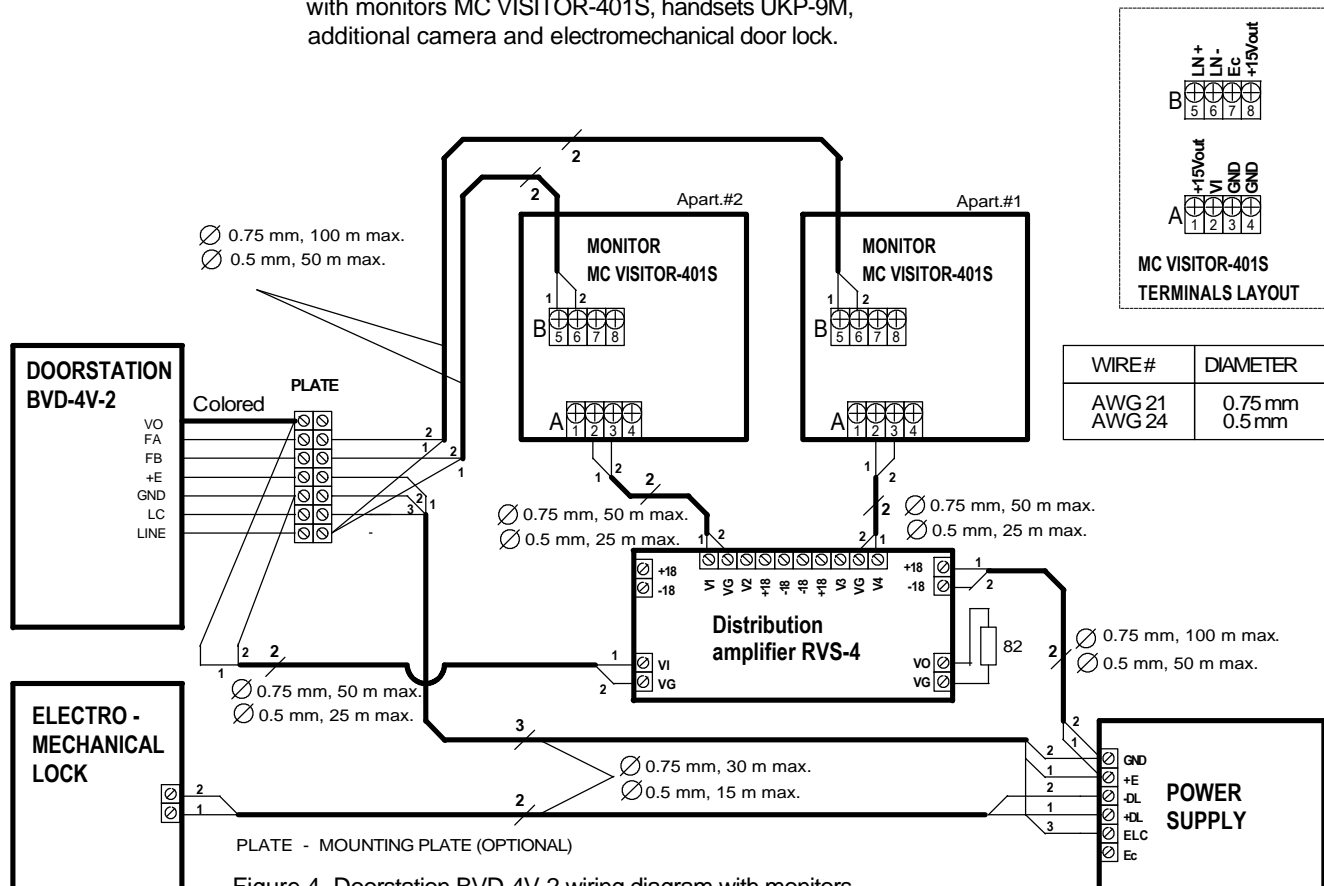


Figure 4. Doorstation BVD-4V-2 wiring diagram with monitors MC VISITOR-401S and electromechanical door lock.

For 220 VAC mains use BPD18/12-3-1

