

DOORSTATIONS FOR APARTMENT DOORPHONES, VIDEODOORPHONES

BVD-2A BVD-2V

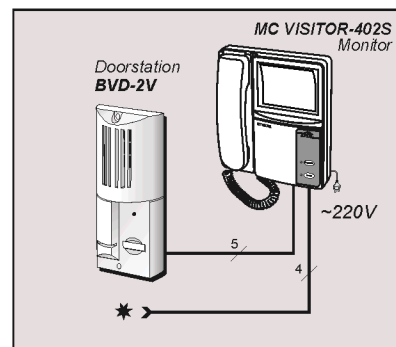
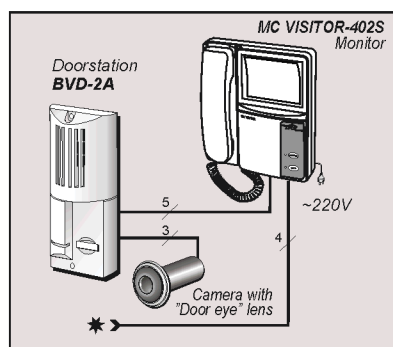
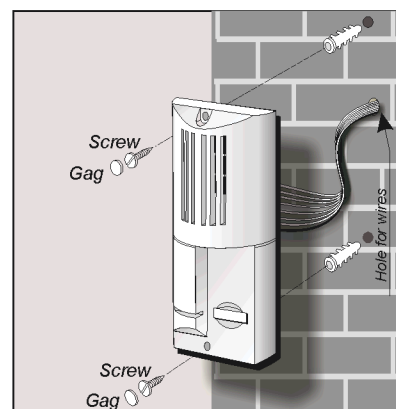
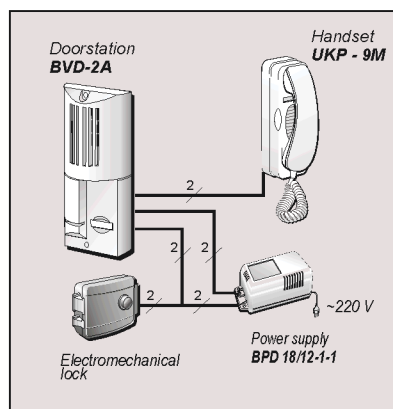


Features:

- Call to subscriber
- Duplex intercom between visitor and subscriber
- Videomonitoring of the door zone via monitor (except for **BVD-2A**)
- Entrance door unlocking at pressing **DOOR** button

Audio doorstation for **VIZIT-2A** doorphone

Doorstation with built-in camera for **VIZIT-2V** videodoorphone



* - Audio & Video from apartment videodoorphones' commutator. **BK-4V** alone or **BK-4(10)** jointly with **RVS-4** may be used in order to integrate **VIZIT-2V** into the entrance videodoorphone system

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
	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-2A	BVD-2V
Number of subscribers	1	
Videosystem	CCIR, Monochrome	
Resolution, sensitivity	380 tvl, 0.2 lux	
Lens, angle	pinhole, 90°	
Apartment equipment	UKP-8, -8M, -9M, -11; MC VISITOR-401(S), -402(S,M,CM)	
Operating voltage	+(16 ... 21) VDC	
Temperature range	from -40°C to +45°C	from -30°C to +45°C
Power supply	BPD18/12-1-1	
Electromagnetic lock	VIZIT-ML300, VIZIT-ML400	
Electromechanical lock	15 VDC; 1A max	
Dimensions, mm	165 x 72 x 30	
Weight, kg	0.27	

OPERATING INSTRUCTION

BVD-2 doorstation (in further - device) is intended for use jointly with **MC VISITOR-401(S)**, **-402(S)** videomonitors or **UKP-8(M)**, **UKP-9M**, **UKP-11** handsets as video and audio communication device for one subscriber.

Two versions of **BVD-2** doorstation are available:

- **BVD-2V** - has built-in camera
- **BVD-2A** - without built-in camera

The external camera can be connected to **BVD-2A**, thus the device can execute functions similar to **BVD-2V**.

FEATURES

- **Call to subscriber when "CALL" button is pressed on the doorstation**
- **Duplex intercom between visitor and subscriber**
- **The entrance door unlocking by pressing "DOOR OPEN" button at the subscriber's handset or monitor**
- **Beep sounds while entrance door unlocking**
- **Video (BVD-2V) and audiomonitoring of the door zone**

SPECIFICATIONS

Operating voltage: **16...21 VDC**
 Power consumption, no more: **3 W**
 Video signal (BVD-2V) **CCIR, B&W**
 Doorlock control: **N.O & N.C relay contacts**
 Max. switchable current: **1 A @ 15 VDC**
 Dimensions, mm: **165 x 72 x 30**
 Weight, kg **0.27**

Device does not contain voltage above 24 VDC.
 Do not make any repair at the powered device.

OPERATING CONDITIONS

Ambient temperature range:
BVD-2V from - 30°C to + 45°C
BVD-2A from - 40°C to + 45°C
 Relative humidity of air: up to 98 % at 25°C

PARTS LIST

BVD-2 doorstation	1 pc
Operating instruction	1 pc
Wiring diagrams	6 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.

The connection diagram examples are given on figures 1 – 8 in this instruction.

The wiring diagrams are given on figures 1 – 10 in Appendix.

Perform connections according to the corresponding wiring diagram.

The requirements to connection cables are given on the wiring diagrams.

CHECKING THE SYSTEM AND ORDER OF OPERATION

Check-up the correctness and reliability of all connections before powering up the system.

Turn on the power supply.

Press **CALL** button at the doorstation - beep sounds at apartment handset or monitor, an image appears on a screen, but doorstation beeps only while **CALL** button remains pressed.

Pick up the handset and check duplex intercom.

Press **DOOR OPEN** button at handset or monitor for a time not less than 1 second. The lock opens, and doorstation produces a beep sound while **DOOR OPEN** button remains pressed. When button is released the system returns to the duplex intercom mode until 60 second from picking up the handset are elapsed or handset is placed back at the cradle. After that the system returns to **STAND-BY** mode.

In case when handset is not picked up during **CALL** signal (60 ± 10 seconds) the system automatically returns to **STAND-BY** mode.

Videomonitoring of the door zone at any time is activated for (60 ± 10) seconds if **MONITOR** button is pressed at the monitor. In this mode built-in camera (in case of use **BVD-2V**) or outdoor camera (in case of use **BVD-2A**) provides videosignal for monitor. Audiomonitoring of the door zone is also available if the handset is picked up during videomonitoring. The system automatically returns to **STAND-BY** mode when handset is hanged up or 60 seconds from picking up the handset are elapsed.

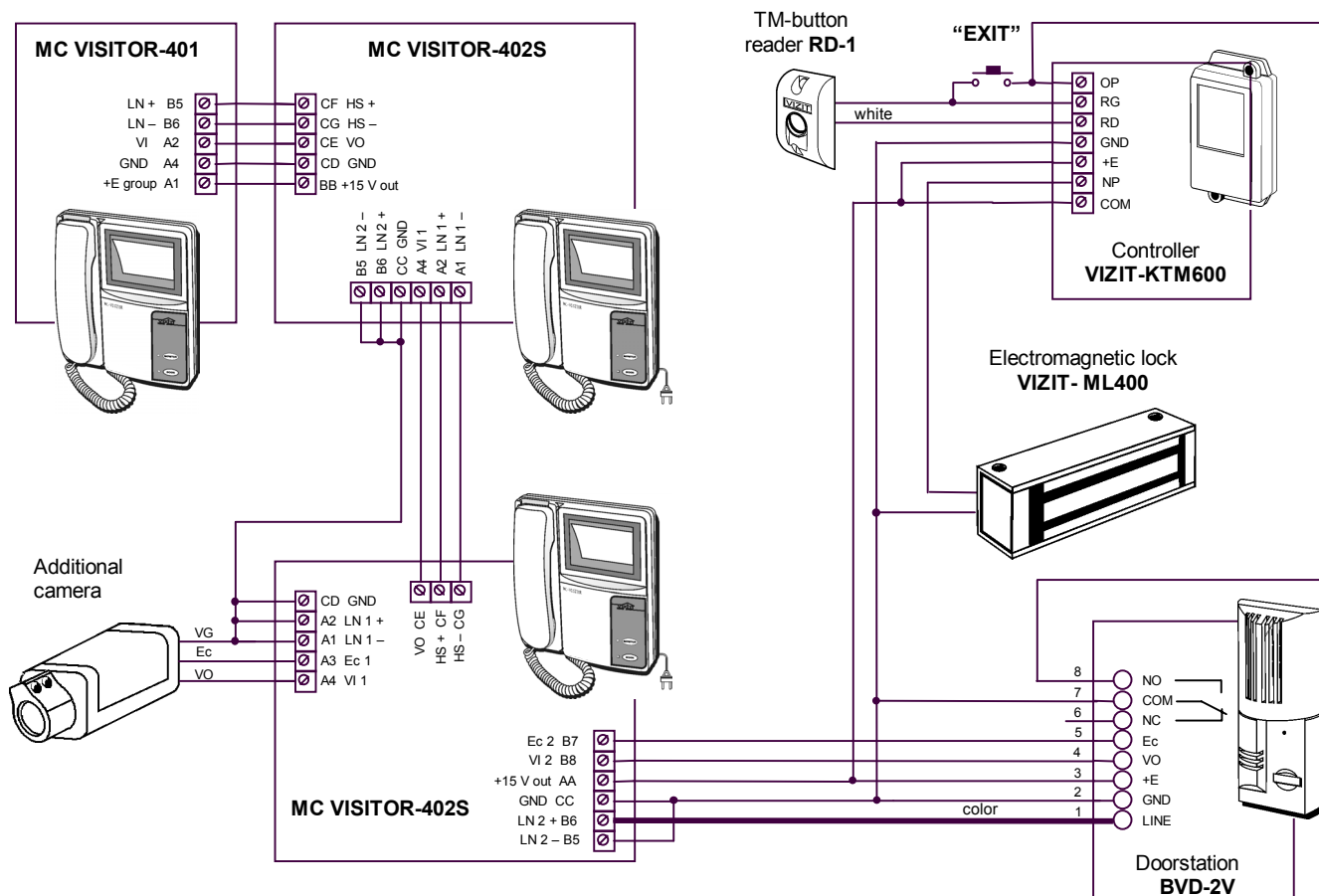


Figure 1 - Wiring diagram for **BVD-2V** with monitors **MC VISITOR-401**, **MC VISITOR-402S (-402C)**, additional video camera, TM-button controller **VIZIT-KTM600** and electromagnetic lock **VIZIT-ML400**.

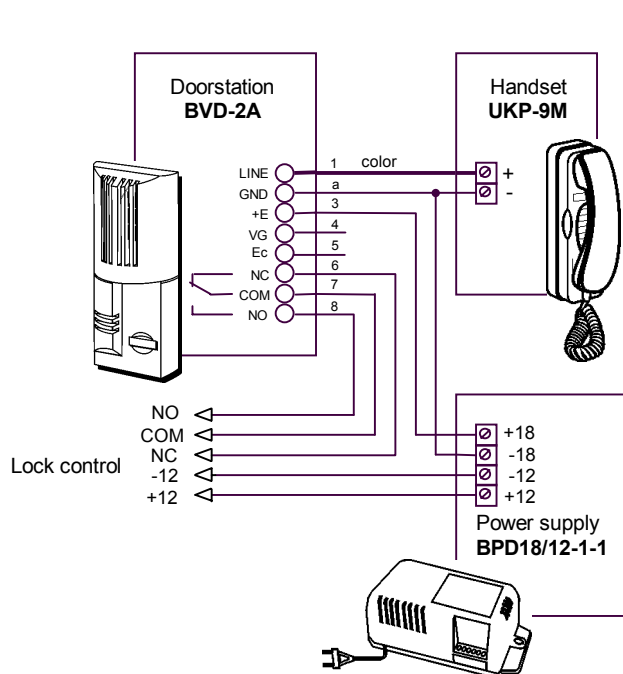


Figure 2 - Wiring diagram for **BVD-2A** with handset **UKP-9M** and power supply **BPD18/12-1-1**.

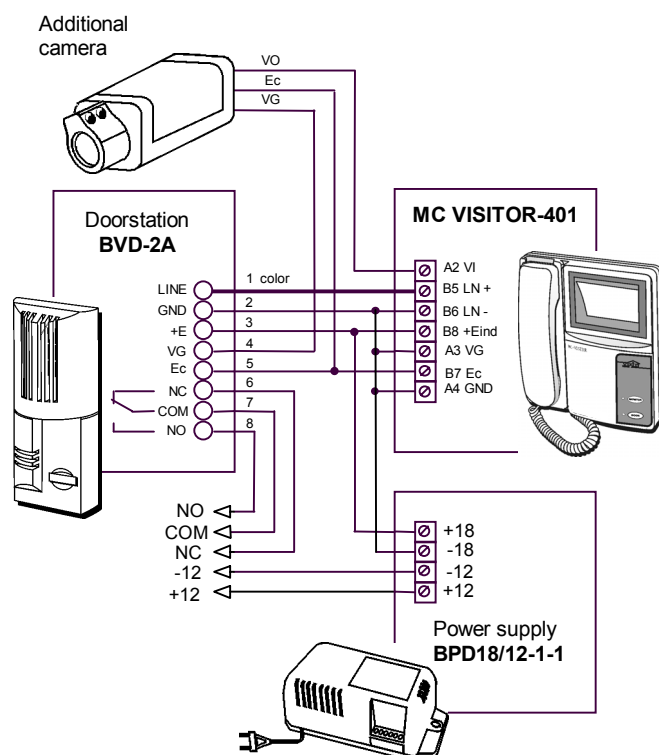


Figure 3 - Wiring diagram for **BVD-2A** with additional video camera and monitor **MC VISITOR-401**.

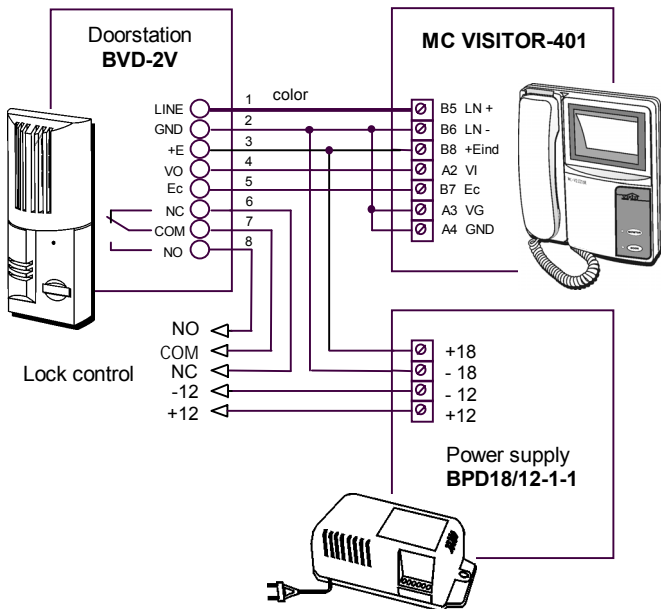


Figure 4 - Wiring diagram for **BVD-2V** with monitor **MC VISITOR-401** and power supply **BPD18/12-1-1**.

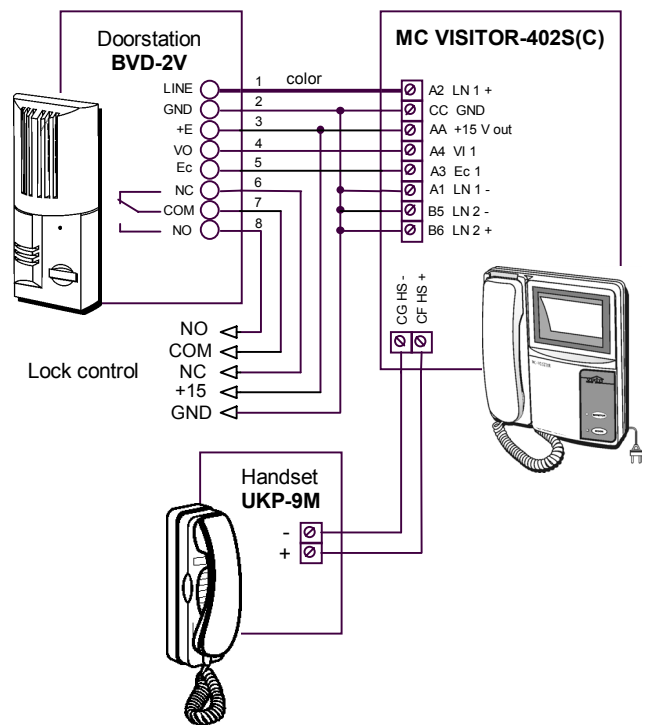


Figure 5 - Wiring diagram for **BVD-2V** with monitor **MC VISITOR-402S, (MC VISITOR-402C)** and handset **UKP-9M**.

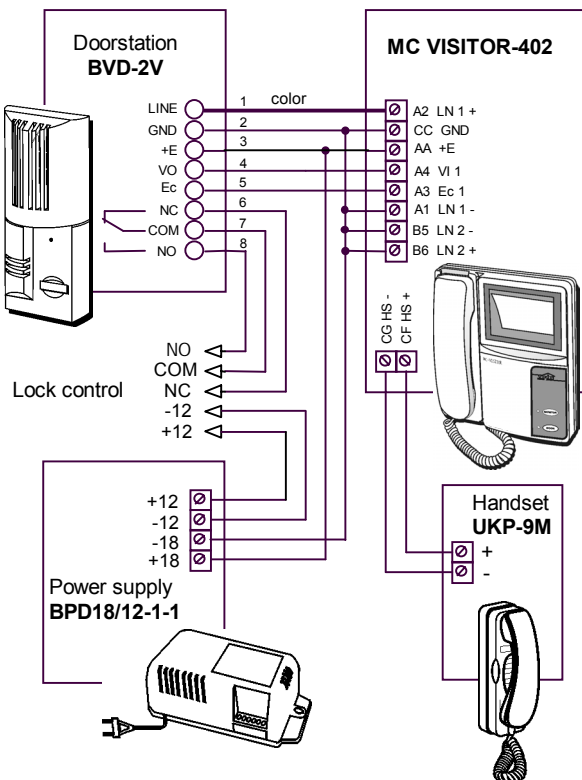


Figure 6 - Wiring diagram for **BVD-2V** with monitor **MC VISITOR-402** and handset **UKP-9M**.

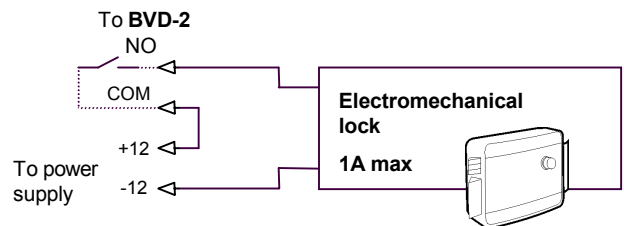


Figure 7 - Wiring diagram for **BVD-2V** with electromechanical lock.

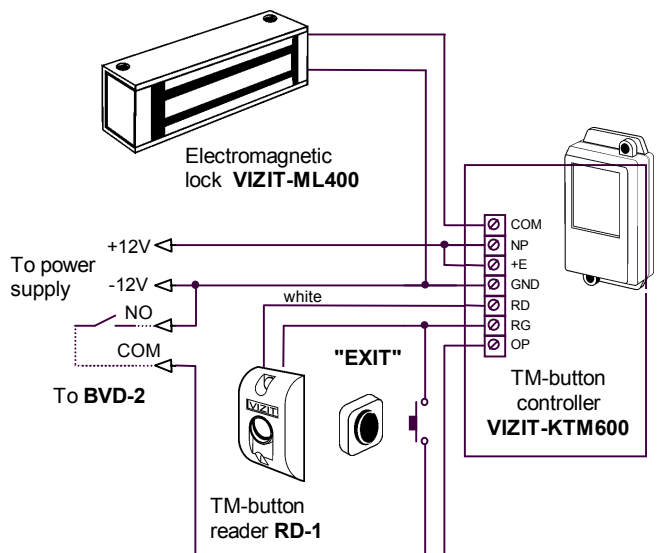


Figure 8 - Wiring diagram for **BVD-2V** with controller **VIZIT-KTM600** and electromagnetic lock.

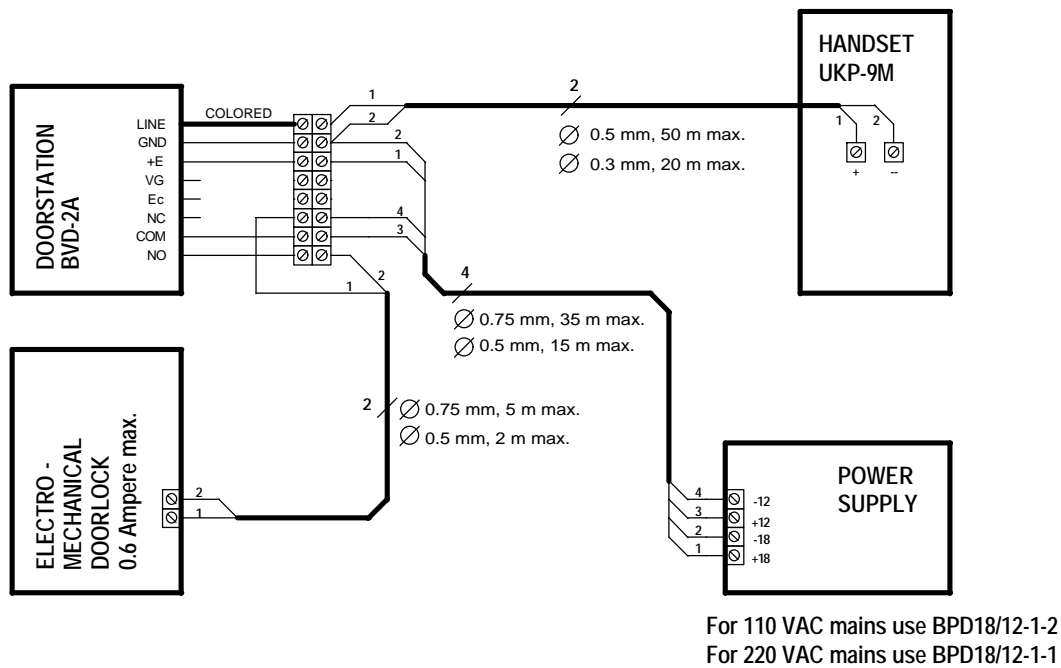


Figure 1. Doorstation BVD-2A wiring diagram with handset UKP-9M and electromechanical door lock.

WIRE#	DIAMETER
AWG 21	0.75 mm
AWG 24	0.5 mm
AWG 28	0.3 mm

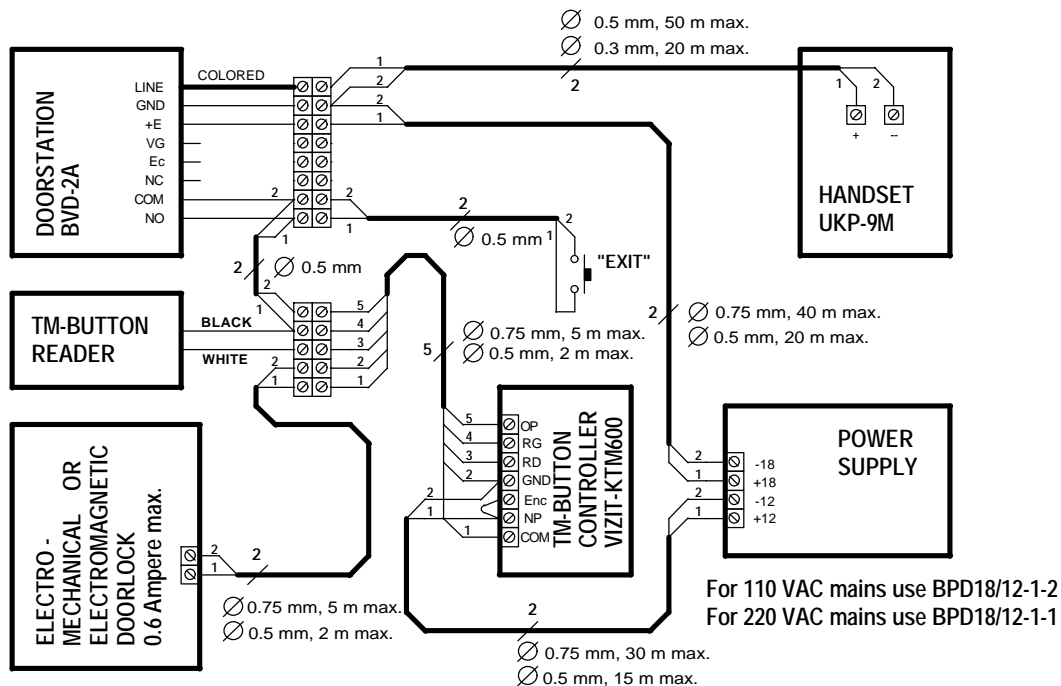


Figure 2. Doorstation BVD-2A wiring diagram with TM-button controller VIZIT-KTM600, handset UKP-9M and electromechanical or electromagnetic door lock VIZIT-ML400.

NOTE: "EXIT" button is not needed when electromechanical door lock is used.

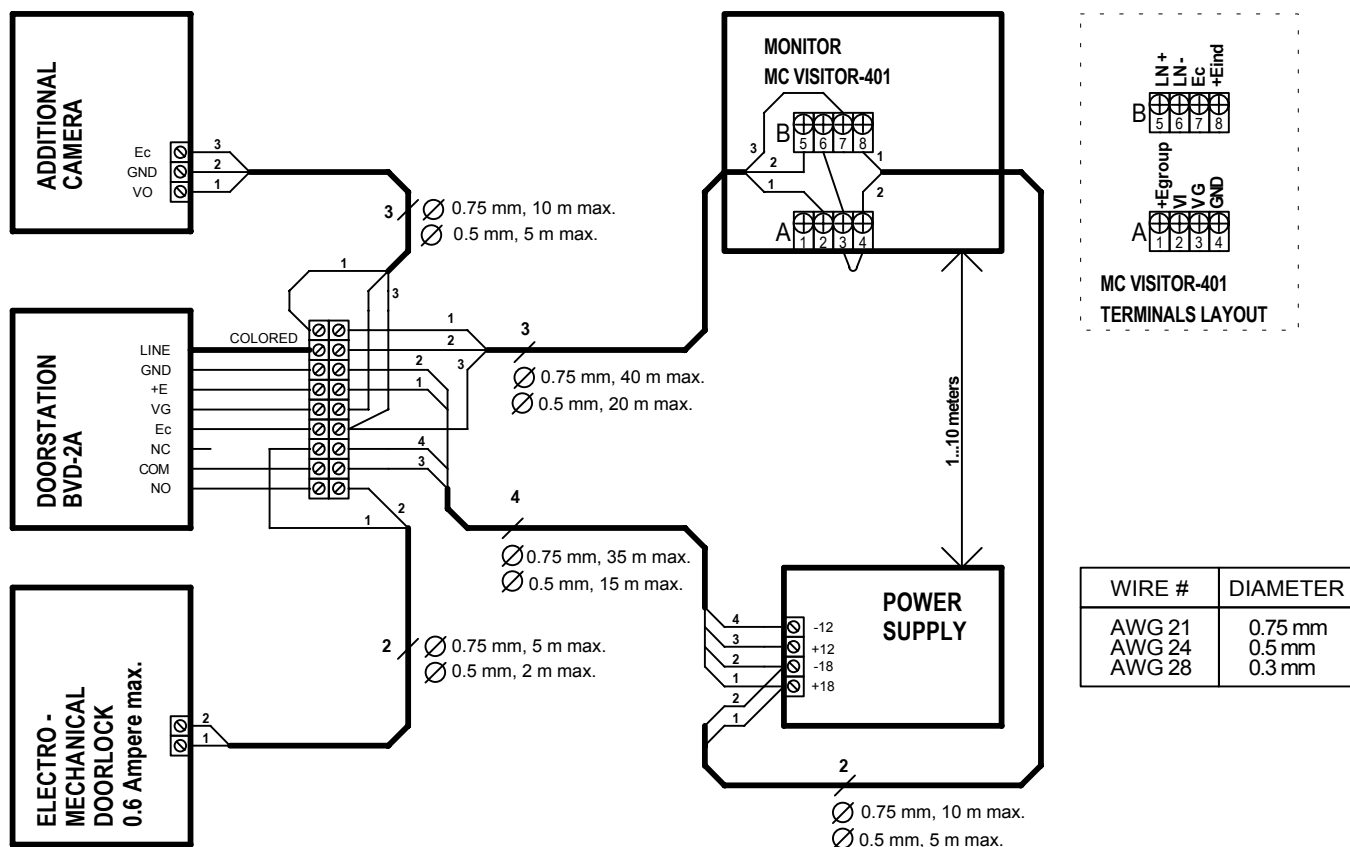


Figure 3. Doorstation BVD-2A wiring diagram with monitor MC VISITOR - 401, additional camera and electromechanical door lock.

For 110 VAC mains use BPD18/12-1-2
For 220 VAC mains use BPD18/12-1-1

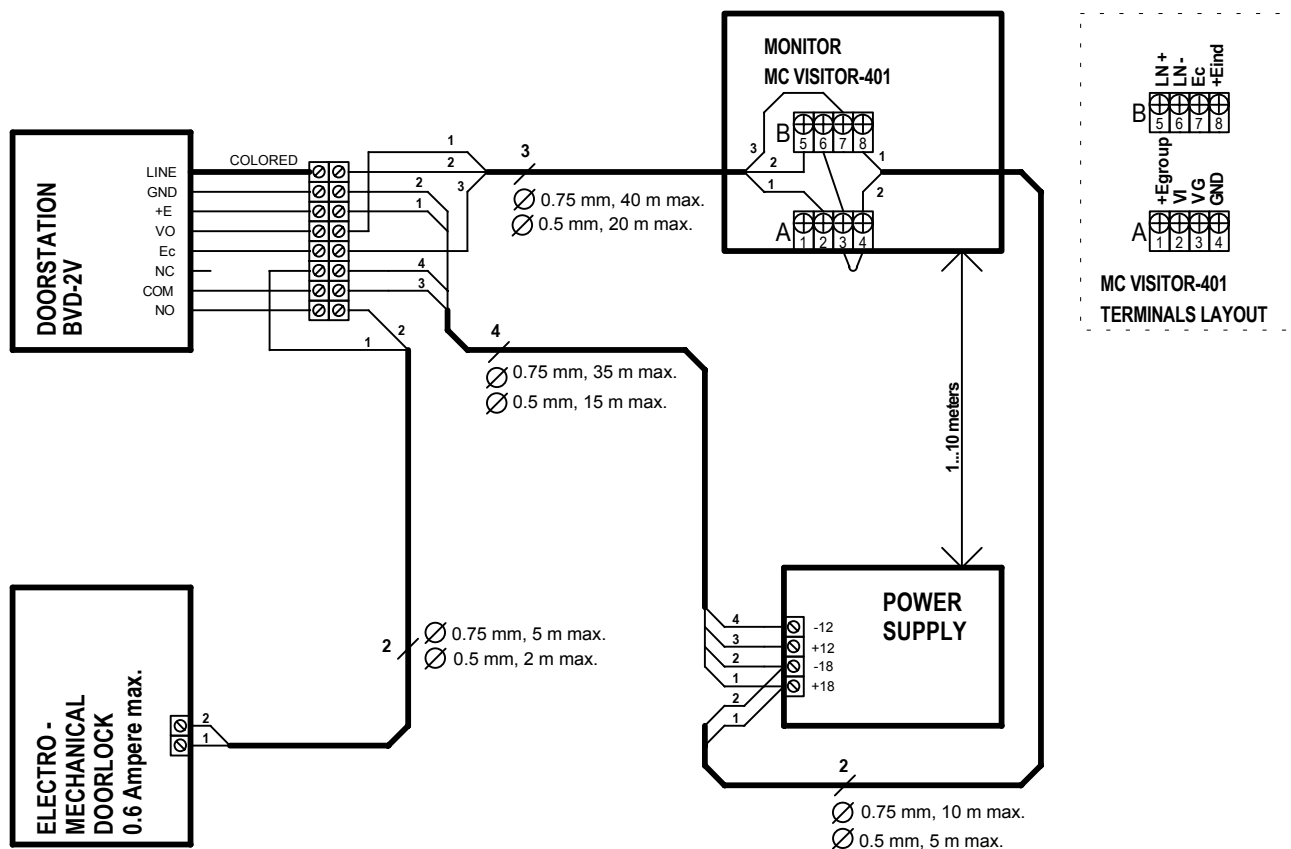


Figure 4. Doorstation BVD-2V wiring diagram with monitor MC VISITOR - 401 and electromechanical door lock.

For 110 VAC mains use BPD18/12-1-2
For 220 VAC mains use BPD18/12-1-1

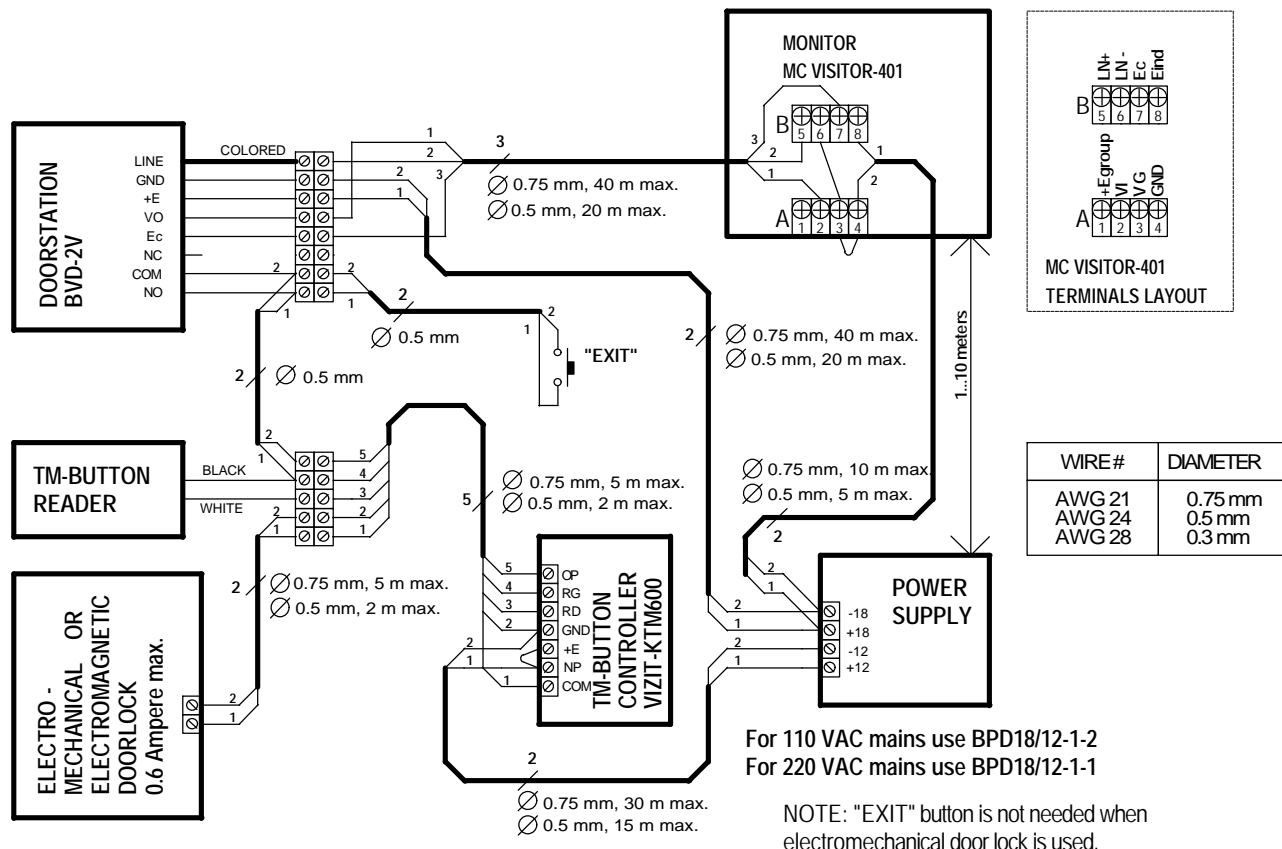


Figure 5. Doorstation BVD-2V wiring diagram with TM-button controller VIZIT-KTM600, monitor MC VISITOR-401 and electromechanical or electromagnetic door lock VIZIT-ML400.

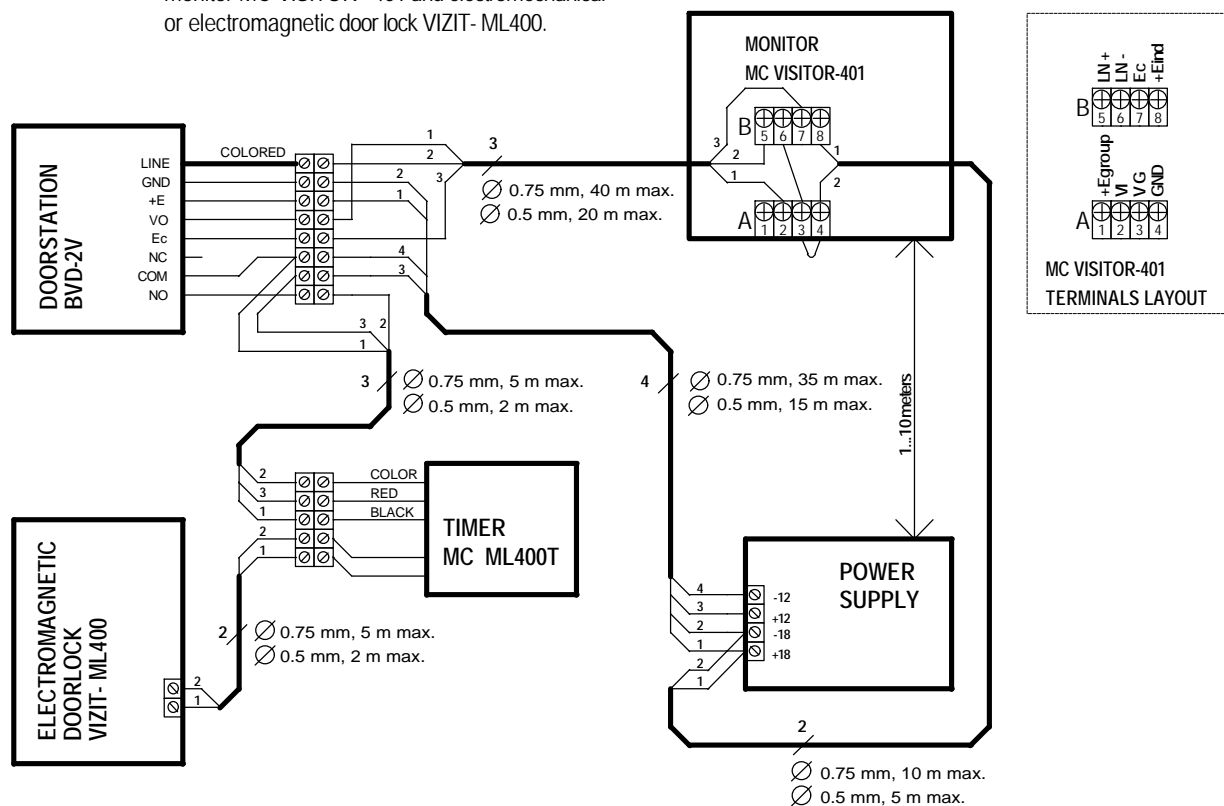


Figure 6. Doorstation BVD-2V wiring diagram with timer MC ML400T, monitor MC VISITOR-401 and electromechanical or electromagnetic door lock VIZIT-ML400.

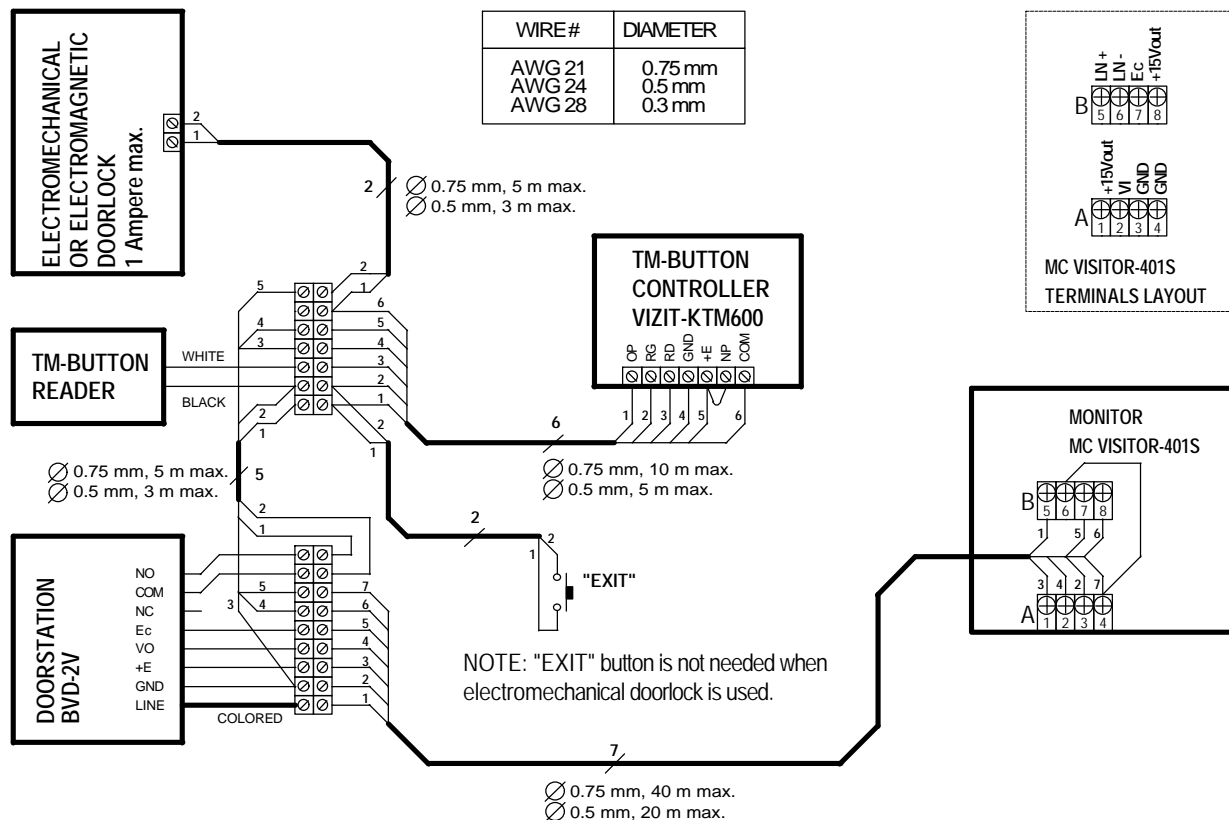


Figure 7. Doorstation BVD-2V wiring diagram with TM-button controller VIZIT- KTM600, monitor MC VISITOR - 401S and electromechanical or electromagnetic door lock VIZIT- ML400.

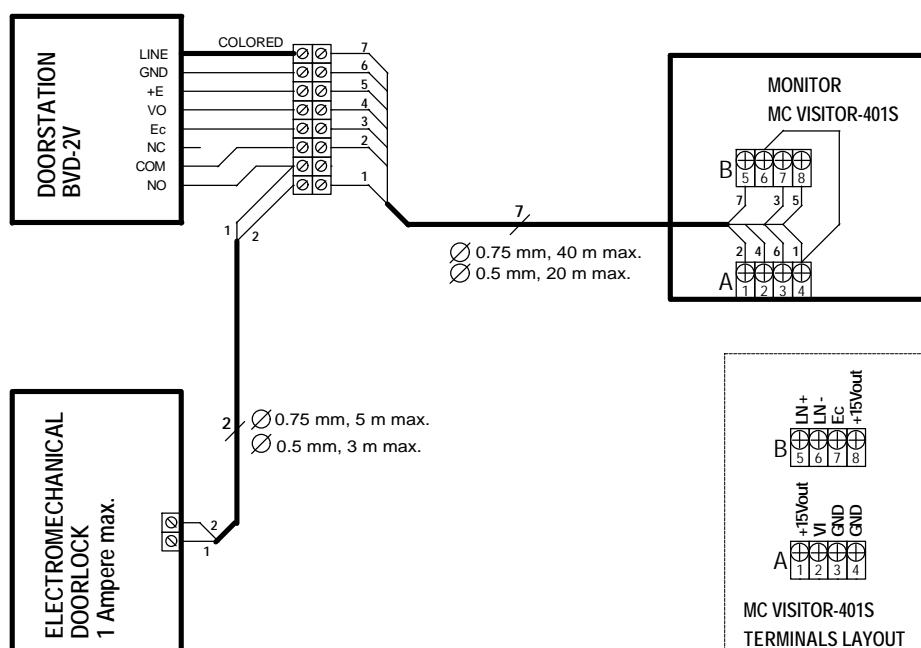


Figure 8. Doorstation BVD-2V wiring diagram with monitor MC VISITOR -401S and electromechanical door lock .

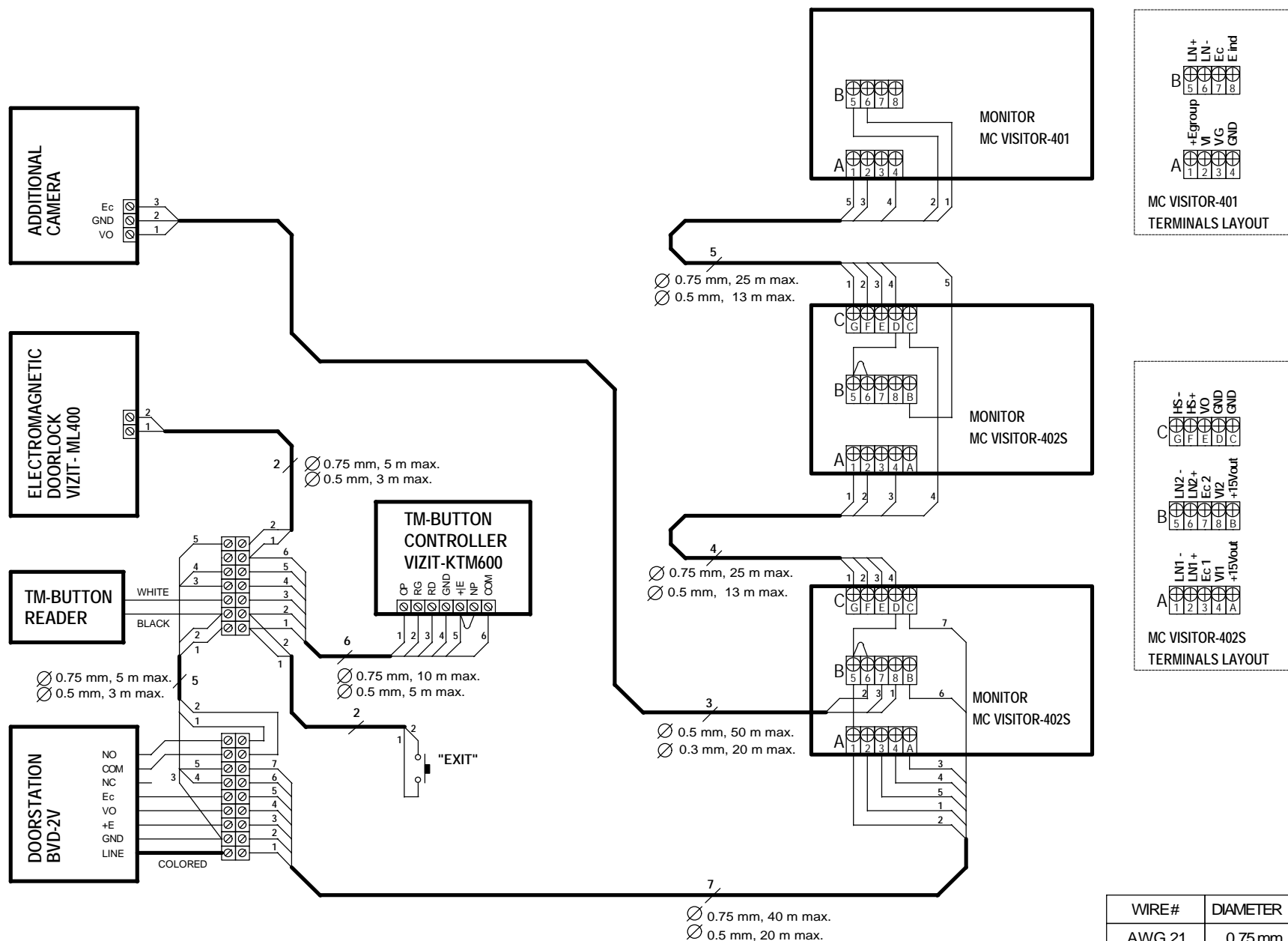


Figure 9. Doorstation BVD-2V wiring diagram with monitors MC VISITOR - 402S, MC VISITOR - 401, additional camera, TM-button controller VIZIT- KTM600 and electromagnetic door lock VIZIT- ML400.

