

APARTMENT EQUIPMENT FOR INDIVIDUAL DOORPHONES & VIDEO DOORPHONES

APARTMENT HANDSET FOR INDIVIDUAL DOORPHONES OF VIZIT 1000-SERIES

UKP-101



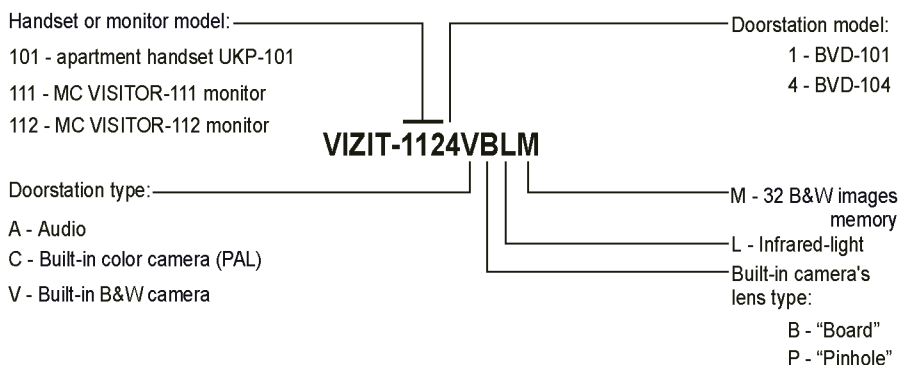
Features:

- Call to subscriber
- Duplex intercom
- Entrance door unlocking at pressing **DOOR** button
- Light indication of operating modes

NAMING OF EQUIPMENT AND VARIOUS CONFIGURATIONS OF AUDIO & VIDEO DOORPHONES OF VIZIT-1000 SERIES

Doorstations Apartment equipment		BVD-101A	BVD-101V	BVD-104A	BVD-104VP	BVD-104VPL	BVD-104VBL	BVD-104CB
			B&W camera PINHOLE lens		B&W camera PINHOLE lens	B&W camera PINHOLE lens IR-light	B&W camera BOARD lens IR-light	Color camera BOARD lens
		Superimposed mounting		Cut-in mounting				
UKP-101	Apartment handset	VIZIT-1011A	VIZIT-1011V	VIZIT-1014A	VIZIT-1014VP	VIZIT-1014VPL	VIZIT-1014VBL	VIZIT-1014CB
BPD18/12-3-1	Power supply							
MC VISITOR -111	B&W monitor 1 videoinput		VIZIT-1111V		VIZIT-1114VP	VIZIT-1114VPL	VIZIT-1114VBL	
MC VISITOR -112	B&W monitor 2 videoinput		VIZIT-1121V		VIZIT-1124VP	VIZIT-1124VPL	VIZIT-1124VBL	
MC VISITOR -112C	Color monitor (PAL) 2 videoinput							VIZIT-1124CB
MC VISITOR -112M	B&W monitor 2 videoinput videomemory		VIZIT-1121VM		VIZIT-1124VPM	VIZIT-1124VPLM		
MC VISITOR -112CM	Color monitor (PAL) 2 videoinput videomemory							VIZIT-1124CBM

VIDEO&AUDIO DOORPHONE SYSTEMS NAMING DECRYPTION




OPERATING INSTRUCTION

Apartment handset **UKP-101** is intended for use in **VIZIT-1011, -1014** doorphone jointly with a doorstation (**BVD-101** or **BVD-104**) and power supply (**BPD18/12-3-1(2)**).

VIZIT-1011, -1014 doorphone is an individual intercom system with electromagnetic or electromechanical lock control and door zone monitoring (via exterior monitor) features.

FEATURES OF A DOORPHONE

- Call to subscriber when  button is pressed on a doorstation
- Duplex intercom between visitor and subscriber
- Remote the entrance door unlocking by pressing  button on handset
- «POWER ON» LED on handset
- Videomonitoring of the door zone via exterior monitor (not included)
- Ringer volume switch on handset

PARTS LIST for UKP-101

HANDSET UKP-101 , pc.	1
Mounting box, pc.	1
Mounting kit, pc.	1
Operating instruction, pc.	1
Package, pc.	1

SPECIFICATIONS

Dimensions, mm:	60x230x65
Weight, kg:	0.25
Ambient temperature range:	5 ... 40°C
Relative humidity of air :	up to 93% at + 25°C

SAFETY INSTRUCTIONS

The handset does not contain voltage above 21 VDC.

ATTENTION! Dangerous voltage is present in powered-up power supply unit!
To avoid electrical shock disconnect the unit from the mains before connecting the wires, replacing the fuse or setting the jumpers.

INSTALLATION

Mount the handset vertically on a wall or on a door. Use the mounting kit.
Mount the power supply (**BPD18/12-3-1(2)**) and doorstation according to their instructions.
Perform connections according to wiring diagrams shown on figures 1...4.

Videosignal from doorstation may be applied to exterior monitor (fig.2...4) or TV video input.
Outdoor camera may be used as videosignal source (fig. 4).

VIZIT-KTM600 *Touch Memory Button Controller* or **VIZIT- 6M** *Keypad Code* may be used for opening the electromagnetic lock (fig. 3).

Electromechanical lock may be used in every variant of connection.

The wires according to table 1 should be used for circuits connections.

Table 1

Circuit		Max. length, m		
		Diameter 0.3 mm	Diameter 0.5 mm	Diameter 0.8 mm
Doorstation ↔ Mounting box		20	50	80
Power supply ↔ Electromagnetic lock		-	25	50
Power supply ↔ Electromechanical lock		-	10	25
Power supply ↔ Mounting box	Figure 1	-	25	50
	Figures 2 – 4	-	3	6
		Section 0.07 mm ²	Section 0.2 mm ²	Section 0.5 mm ²

It's recommended to use RG-6U or similar coaxial cable for video signal when distance exceeds 20 meters.

SETTING THE JUMPERS

With unplugged **BPD18/12-3-1(2)** power supply remove its cover and set three jumpers to next positions:

1. Set **"I – U"** jumper to **"I "** position;
2. Set **"NO - NC"** and **"12 - 18"** jumpers according to table 2:

Table 2

Lock	Position	
	"NO - NC"	"12 - 18"
Electromagnetic (VIZIT-ML400, -ML300)	NC	12
Electromechanical	NO	18

Electromagnetic lock opens when voltage is turned off ("**NC**" position).

Electromechanical lock opens when voltage is turned on ("**NO**" position).

3. Set **"12 – 18"** jumper to proper position. It defines voltage across **+DL** and **–DL** terminals and must be set according to the lock supply voltage: **"12"** – position (12 VDC): for electromagnetic lock,
"18" – position (18 VDC): for electromechanical lock.

ATTENTION! The impedance of electromagnetic lock should not be less then 20 Ohms.
18 VDC should not be applied to electromagnetic lock!

CHECKING THE SYSTEM AND ORDER OF OPERATION

Check all connections before turning on the power!

- ✈ Turn on the power – LED lights on the handset.
- 🔔 Press "🔔" button on the doorstation. The handset produces two-tone call sound, LED blinks.
Call sound continues while the button remains pressed.
Set ringer volume switch to desired position (**1** – max. / **0** – min.).
- ☎ Pick up the handset and check duplex intercom between handset and doorstation.
LED goes out when handset is picked up.
- 🔑 Press 🔑 button at the handset. Lock opens while button is pressed.
- ☎ Hang up the handset - LED lights again.
- 👂 Duplex intercom works as well without call signal when handset is picked up.
Pressing the 🔑 button opens door lock as usually.
- 📺 Videomonitoring of the door zone is available via monitor independently of call signal and handset position.
Doorstation's built-in camera or outdoor one may serve as video signal source.

Note: Next abbreviations are used in this instruction:

GND	(Ground)	Ground wire
+E		Supply voltage for extra equipment
+DL, -DL	(Door Lock)	Supply voltage for door lock
ELC	(E & Lock Control)	Supply voltage for handset
Ec		Supply voltage for camera
VO	(VideoOutput)	Videosignal output
LN +	(Line +)	Positive polarity of intercom line
LN -	(Line -)	Negative polarity of intercom line

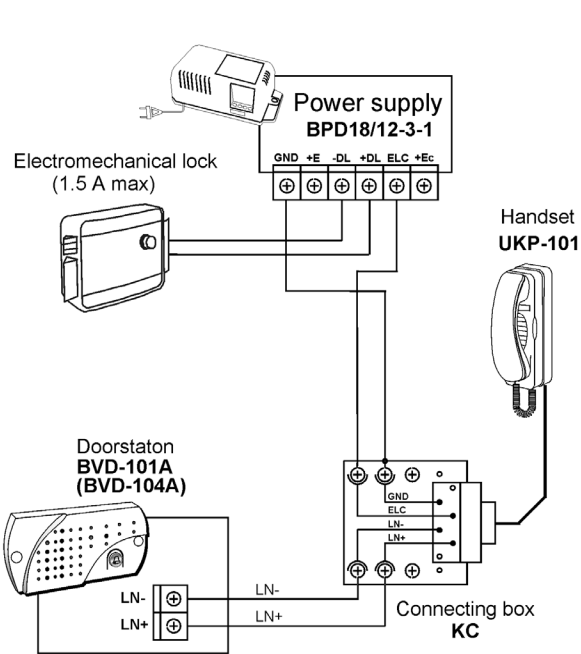


Figure 1 - **VIZIT-1011A, -1014A** DOORPHONE.
Wiring diagram with electromechanical lock.

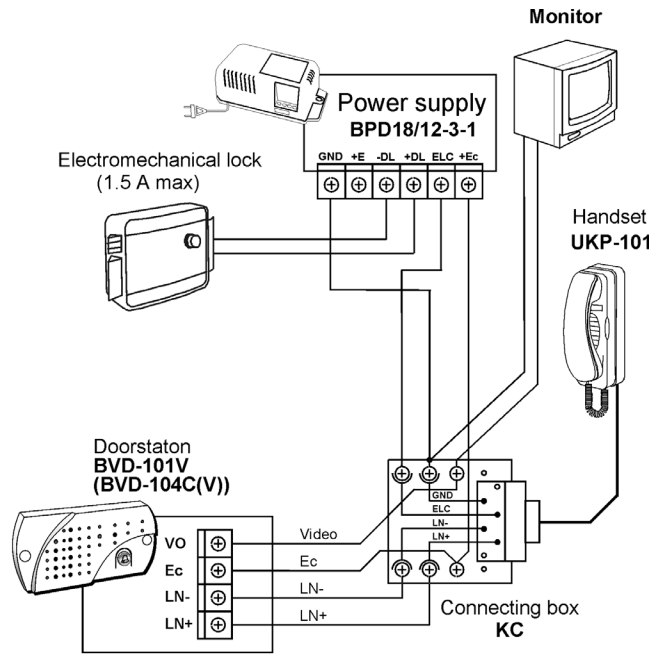


Figure 2 - **VIZIT-1011V, -1014C(V)** DOORPHONE.
Wiring diagram with electromechanical lock.

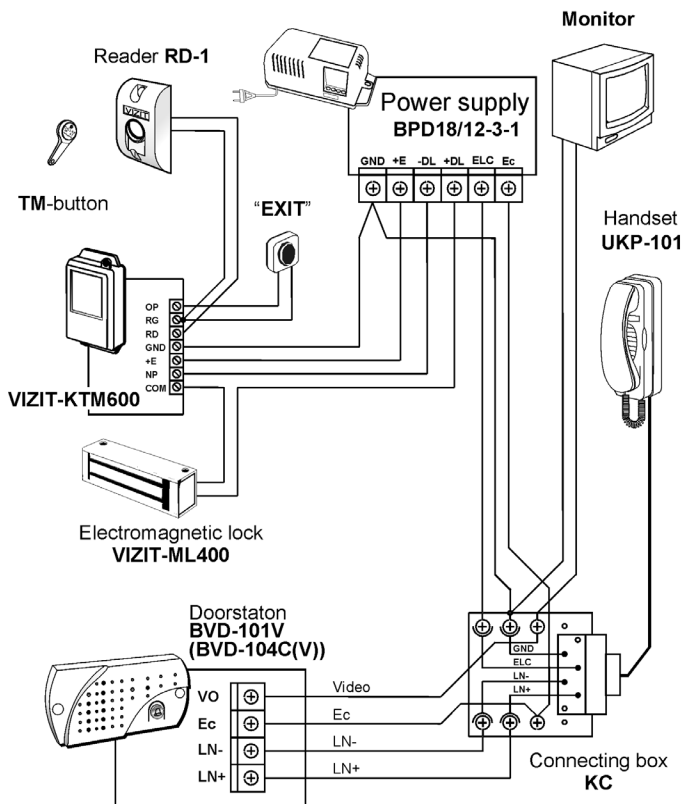


Figure 3 - **VIZIT-1011V, -1014C(V)** DOORPHONE.
Wiring diagram with electromagnetic lock **VIZIT-ML400**, TM-Button Controller **VIZIT-KTM600** and monitor .

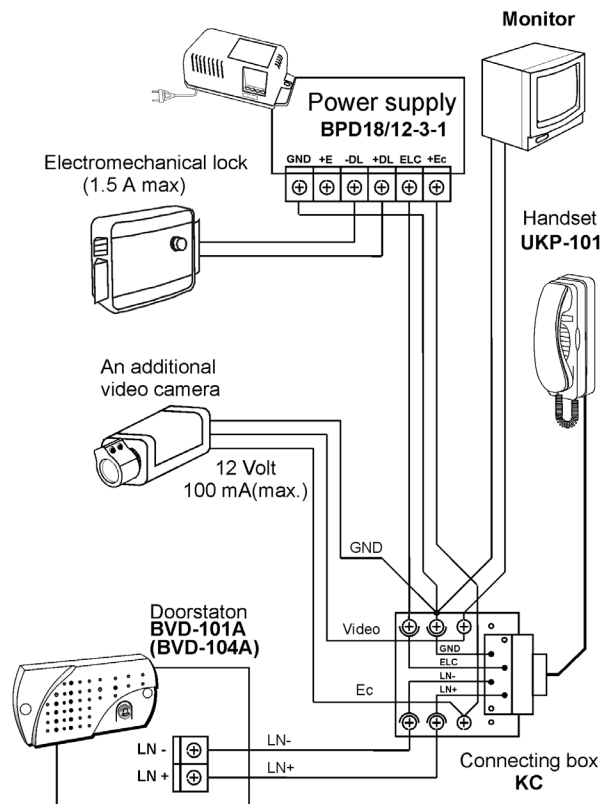


Figure 4 - **VIZIT-1011A, -1014A** DOORPHONE.
Wiring diagram with electromechanical lock, monitor and outdoor camera.