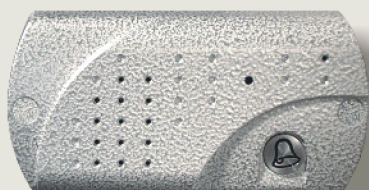


# DOORSTATIONS FOR INDIVIDUAL DOORPHONES, VIDEODOORPHONES

## Features:

- Duplex intercom between visitor and subscriber
- Videomonitoring of the door zone via monitor  
(except for **BVD-101A** and **BVD-104A**)

## BVD-101



## BVD-101A BVD-101V

MODEL	BVD-101A	BVD-101V
Videosystem	—	CCIR, Monochrome
Resolution, sensitivity		380 tvl, 0.2 lux
Lens, angle of view		pinhole, 90°
Temperature range	from -40°C to +45°C	from -30°C to +45°C
Dimensions MM	120 x 60 x 28	
Mounting	Superimposed	

## BVD-104

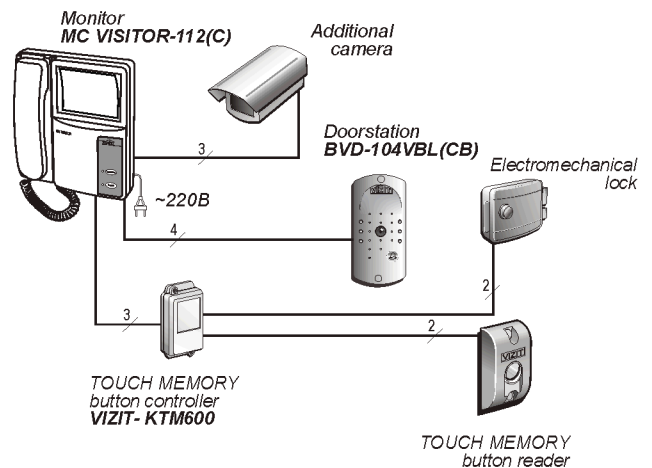
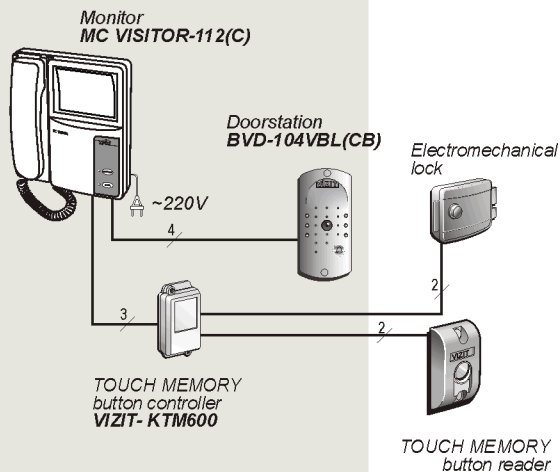
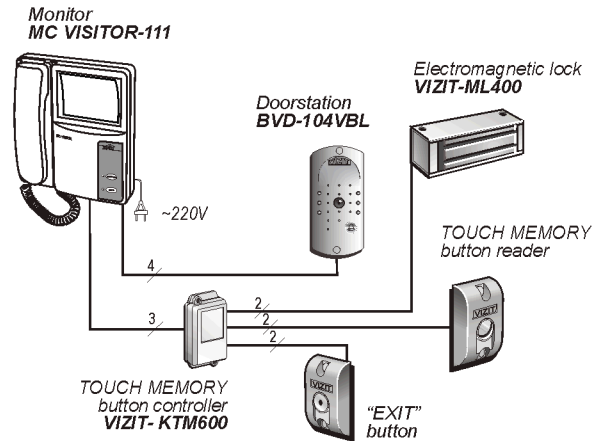
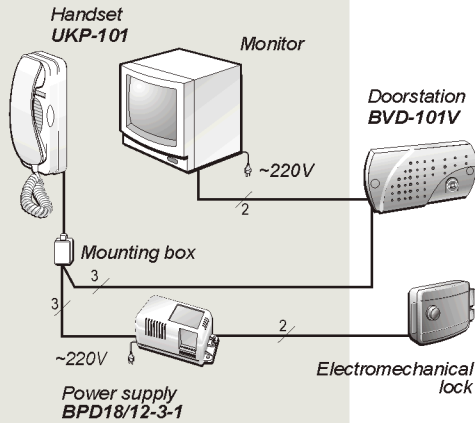
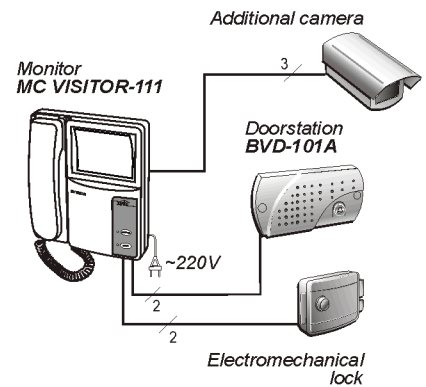
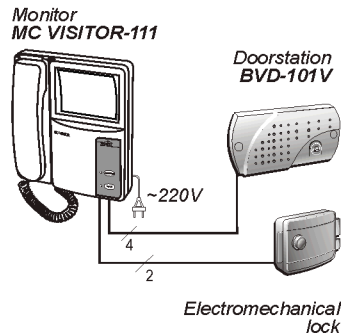
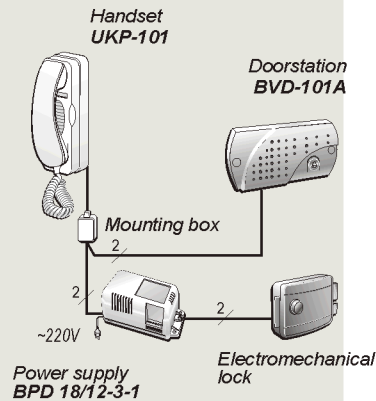


## BVD-104A BVD-104VP(VPL) BVD-104VBL BVD-104CB

MODEL	BVD-104A	BVD-104VP(VPL)	BVD-104VBL	BVD-104CB
Videosystem	————	CCIR, Monochrome		CCIR, PAL
Resolution, sensitivity		380 tvl, 0.2 lux		380 tvl, 1.5 lux
Lens, angle of view		pinhole, 90°	board, 92°	board 92°
Temperature range	from -40°C to +45°C	from -30°C to +45°C		from -20°C to +45°C
Dimensions mm	70 x 140 x 25	70 x 140 x 38		
Mounting	Cut-in			

# DOORSTATIONS FOR INDIVIDUAL DOORPHONES, VIDEO DOORPHONES

## Wiring diagrams examples



## Maximum length of wires

CIRCUIT		LENGTH, M		
		Diameter 0.3 mm	Diameter 0.5 mm	Diameter 0.75 mm
Audio	Monitor - doorstation	20	50	80
	Monitor - electromagnetic lock VIZIT-ML400	—	25	50
Power	Monitor - electromechanical lock (12V, 1.2A max)	—	10	25
	Power supply - electromagnetic lock VIZIT-ML400	—	25	50
	Power supply - electromechanical lock (12V, 1.2A max)	—	10	25
		Cross-section 0.07 mm <sup>2</sup>	Cross-section 0.2 mm <sup>2</sup>	Cross-section 0.5 mm <sup>2</sup>

## OPERATING INSTRUCTION


**BVD-101** doorstation is intended for use in **VIZIT- 1000** – series doorphone or videodoorphone.

Next versions are available :

**A** – Audio doorstation

**V** – Doorstation with built-in B&W camera and Pinhole lens

## FEATURES

- Call to subscriber when  button is pressed
- Duplex intercom between visitor and subscriber
- Videomonitoring of the door zone via monitor (for **BVD-101V** only)

## PARTS LIST

Doorstation <b>BVD-101</b> , ps.	1
Mounting kit, ps.	1
Operating instruction, ps.	1

## SPECIFICATIONS

Dimensions, <b>mm</b>	61 x 121 x 28
Weight, <b>kg</b>	0.17

Built-in camera's parameters:

Parameter	<b>BVD-101V</b>
Angle of view (diagon.), °	≥90
Scan system	CCIR (EIA – optional)
Resolution, TVL	≥380
Sensitivity, Lux	0.2
Output voltage, Vpp	1 ( 75 Ohm)
Supply voltage, VDC	12
Current consumption, A	0.1

## OPERATING CONDITIONS

Ambient temperature range:

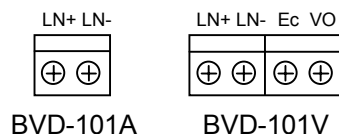
**BVD-101A** - 40 ... + 45°C

**BVD-101V** - 30 ... + 45°C

Relative humidity of air : up to 98% at + 25°C

## SAFETY INSTRUCTIONS

The doorstation does not contain voltage above 21 VDC.  
To avoid damage do not make any repair when power is on.



LN+ - Positive polarity of intercom line;  
LN - Negative polarity of intercom line;  
Ec - Supply voltage for camera;  
VO - Videosignal output.

Figure 1 – Terminals layout.

## INSTALLATION

First of all it is necessary to study wiring diagrams given below or in MC VISITOR-111, -112, -112M, UKP-101 operating instructions.

**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-101V** doorstation should be mounted horizontally with right-down oriented  button (Fig. 3).

**BVD-101A** doorstation may be mounted anyhow.

Fastening from front side or rear side may be performed, depending on specific conditions.

Doorstation's mounting holes have M5 metric screw thread.

Thus, proper screws should be used for fastening the doorstation from rear side.

Wood screws from mounting kit may be used for fastening the doorstation from front side (Fig. 3).

Finally, gags from mounting kit should be driven into mounting holes.

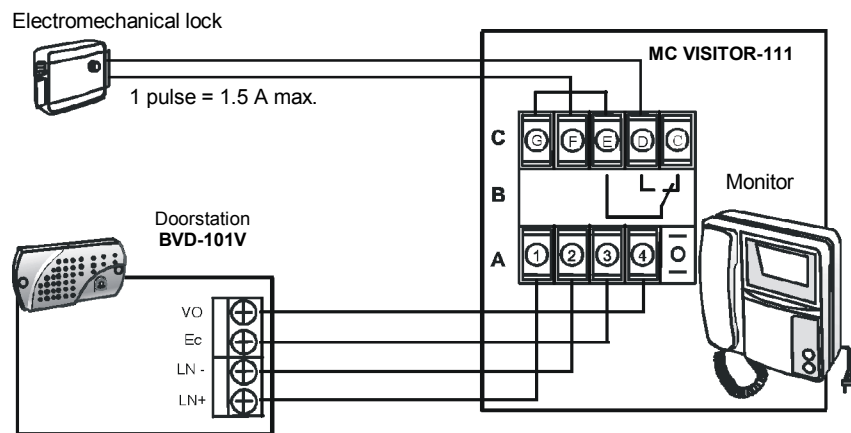


Figure 2 – Connection diagram example.

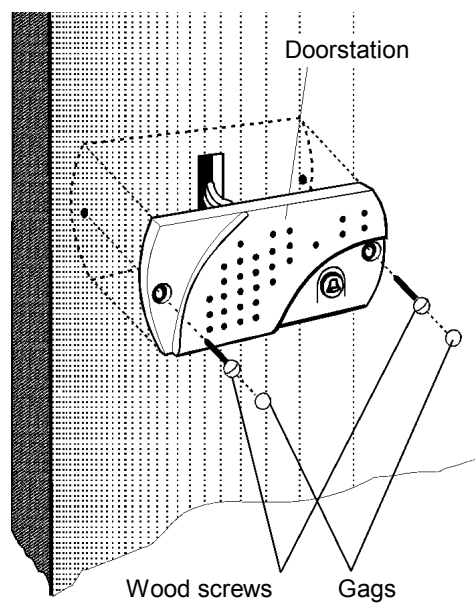


Figure 3 – Mounting drawing.

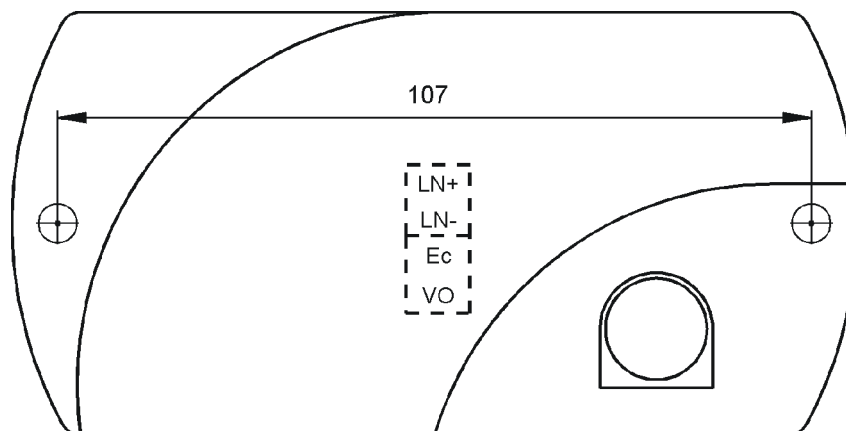


Figure 4 – Mounting template.

## OPERATING INSTRUCTION

**BVD-104** doorstation is intended for use in **VIZIT- 1000** – series individual doorphone or videodoorphone.

Next versions are available:

**BVD-104 A** – Audio doorstation


**BVD-104 VP** – Has built-in **B&W** camera with **Pinhole** lens

**BVD-104 VPL** – **B&W** camera with **Pinhole** lens and IR light

**BVD-104 VBL** – **B&W** camera with **Board** lens and IR light

**BVD-104 CB** – **Color** camera with **Board** lens

## FEATURES

- Call to subscriber when  button is pressed
- Duplex intercom between visitor and subscriber
- Videomonitoring of the door zone via monitor (except for **BVD-104 A**)

## OPERATING CONDITIONS

Ambient temperature range:

Doorstation without built-in camera - 40 ... + 45°C

Doorstation with built-in B&W camera - 30 ... + 45°C

Doorstation with built-in color camera - 20 ... + 45°C

Relative humidity of air : up to 98% at + 25°C

## PARTS LIST

Doorstation <b>BVD-104</b> , ps.	1
Mounting kit, ps	1
Operating instruction, ps.	1

## SAFETY INSTRUCTIONS

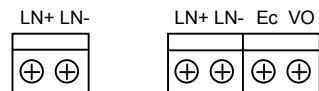
The doorstation does not contain voltage above 21 VDC.  
To avoid damage do not make any repair when power is on.

## SPECIFICATIONS

Dimensions ( <b>BVD- 104A</b> ), mm	70 x 140 x 25
Dimensions (except for <b>BVD- 104A</b> ),	70 x 140 x 38
Weight, kg	0.22

Built-in camera's parameters:

Parameter	Doorstation	
	<b>BVD-104VP(L), VBL</b>	<b>BVD-104CB</b>
Angle of view (diagon.), °	≥90	≥90
Color system	Black & White	PAL
Scan system	CCIR (EIA – optional)	CCIR
Resolution, TVL	≥380	380
Sensitivity, Lux	0.2	1.5
Output voltage, Vpp	1 ( 75 Ohm)	



BVD-104A    BVD-104VB (VP, CB)

LN+ - Positive terminal of intercom line;  
LN- - Negative terminal of intercom line;  
Ec - Supply voltage for camera;  
VO - Videosignal output.

Figure 1 – Terminals layout.

## 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.

Doorstation should be mounted vertically with right-down oriented  button (Fig. 3).

### Variant 1

1. Fix the shackle inside the groove in a wall, using two screws and concrete inserts from mounting kit
2. Fasten the doorstation to the shackle using two M4 metric screws.
3. Finally, drive the gags from mounting kit into doorstation mounting holes.

### Variant 2

1. Fasten the doorstation to the wall, using two screws.
2. Drive the gags from mounting kit into doorstation mounting holes.

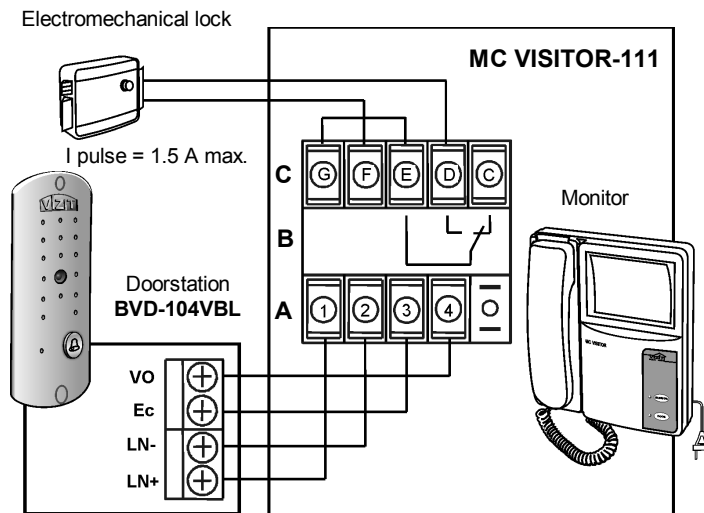


Figure 2 – Connection diagram example.

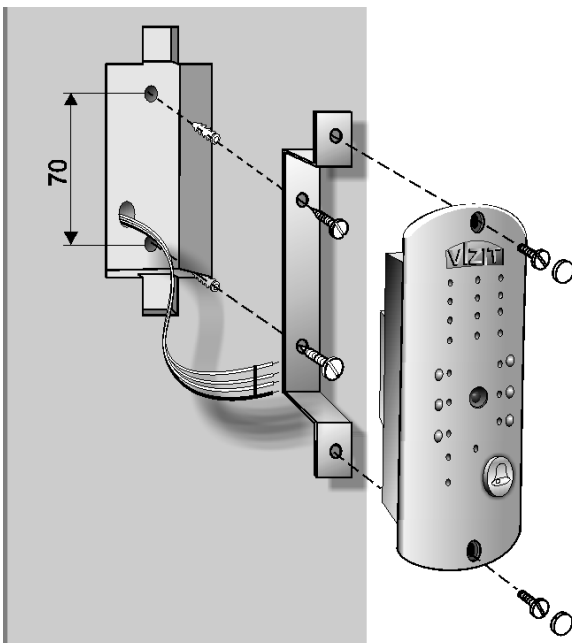


Figure 3 – Mounting drawing.  
Variant 1

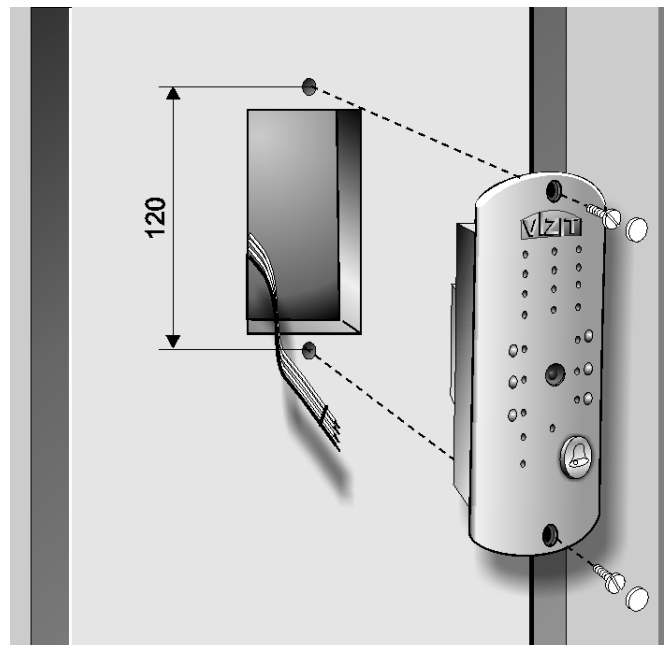


Figure 4 – Mounting drawing.  
Variant 2