

OPERATING INSTRUCTION

Commutator **BK-100M** (the device hereinafter) is intended for operation within **VIZIT** apartment doorphones as a commutation device to provide intercom between the doorstation and apartment handsets UKP.

PARTS LIST

Commutator **BK-100M**
Operating Instruction

1 pc.
1 pc.

SAFETY INSTRUCTIONS

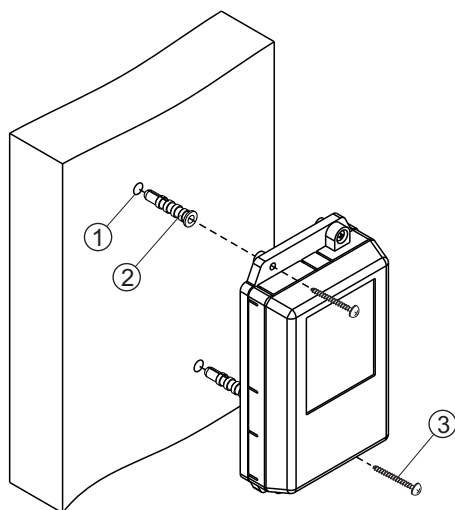
The device does not contain voltage above **24 VDC**.

Do not perform any connections or repair, when the power is on!

INSTALLATION

For qualified installation, wiring and servicing refer to technical and commercial partners of VIZIT TM. The list of companies is given on VIZIT.EU (<http://vizit.eu/eurounion/>).

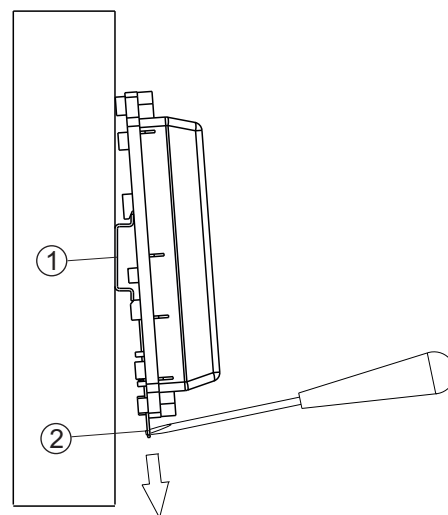
The device is fixed either with a springing clip to a DIN-rail (35 mm x 1-2 mm), or with screws (not supplied).



- Drill two holes (1) in a wall, with diameter 6mm and depth 30 mm.
- Drive anchors 6x30 (2) into the holes.
- Fix the device by fastening 2 screws 3.5x25 (3) in the anchors.

Note. Fasteners are not supplied.

Figure1 - **Mounting on a wall**

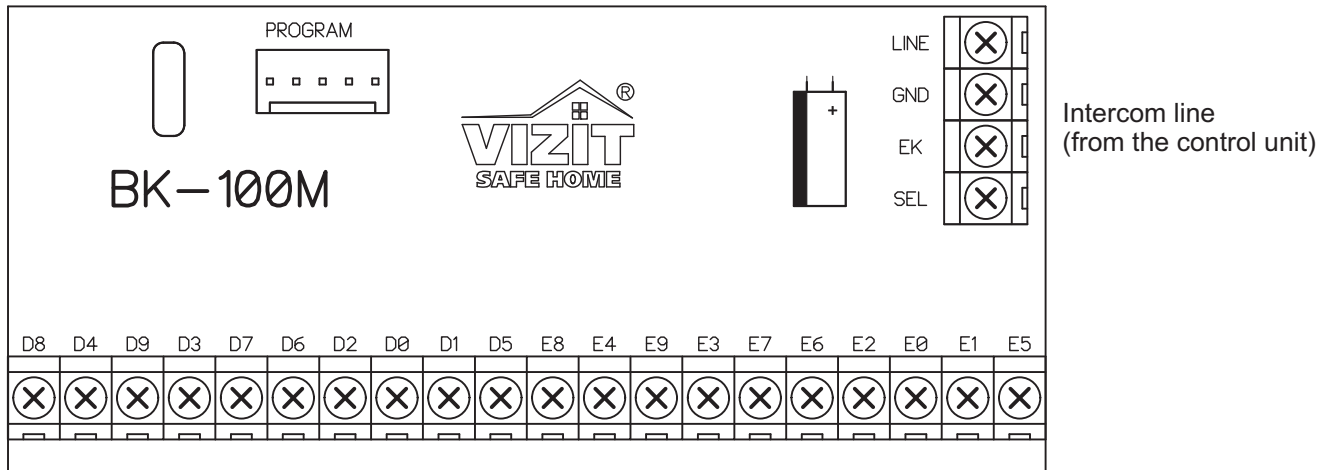


- (1) - DIN-rail, width 35 mm, depth 1-2 mm
- (2) - Holder for fixing on a DIN-rail

Figure 2 - **Mounting on a DIN-rail**

CONNECTIONS

- Take off the device cover to access the PCB.
Doorphone cables are connected to the terminals on the PCB.



D0 ... D9 - Terminals to connect the decade digit wires of the intercom line (DECADE BUS)
E0 ... E9 - Terminals to connect the unit digit wires of the intercom line (UNIT BUS)

Figure 3 - Terminals layout and marking

Each apartment handset has polar terminals: the positive terminal is connected to the wires of the DECADE BUS, and the negative terminal to the UNIT BUS wires.

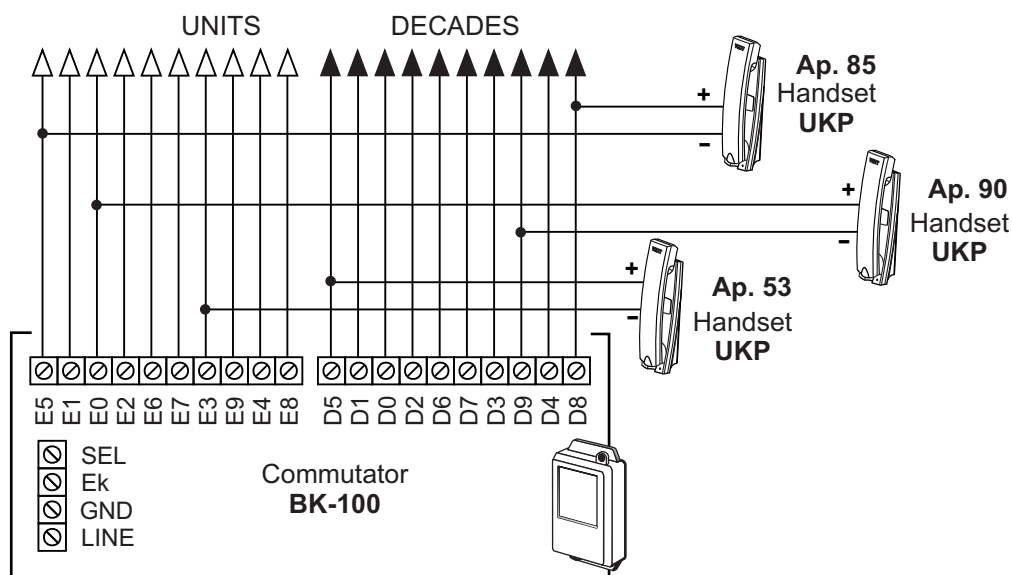


Figure 4 - Connection of apartment handsets to BK-100M

The terminals **LINE**, **GND**, **EK** and **SEL** of your **BK-100M** device shall be connected to terminals of corresponding circuits either of the doorstation or control unit. Order of wiring and instructions on cables used are given in the operating instruction on your doorstation / control unit.

- Put the device cover back on its place.

SPECIFICATIONS

| | |
|-----------------------------------|------------------|
| Max. number of connected handsets | 100 |
| Power consumption | 0.03 W max |
| Dimensions (W)x(H)x(D) | 75 x 135 x 35 mm |
| Weight | 0.2 kg |

OPERATING CONDITIONS

| | |
|---------------------------|--------------|
| Ambient temperature range | +1 to +40°C |
| Relative humidity of air | 93% at +25°C |