

OPERATING INSTRUCTION

Commutator **BK – 4V** (hereafter - device) is intended for operation jointly with **VIZIT** apartment videodoorphone as commutation device between the doorstation and subscriber's handsets or monitors and provides videosignal from doorstation or outdoor camera to monitors.

BK – 4V integrates features of **BK-4** (commutator) and **RVS-4** (distribution amplifier) and has similar terminals' names.

SPECIFICATIONS

| | |
|-----------------------------------|---------------|
| Max. number of connected handsets | 4 |
| Max. number of connected monitors | 4 |
| Operating voltage, VDC: | 16...24 |
| Current consumption, mA, no more: | |
| - 4 monitors connected | 20 |
| Input impedance, KOhm | 20 |
| Output impedance, Ohm | 100 |
| Dimensions, mm | 135 x 75 x 35 |
| Weight, kg | 0.2 |

OPERATING CONDITIONS

| | |
|---------------------------|--------------------|
| Ambient temperature range | from 1°C to 40°C |
| Relative humidity | up to 93 % @ 25°C. |

SAFETY INSTRUCTIONS

This device does not contain voltage above 24 VDC.

To avoid damage perform coding (see below) and connect wires when power is off.

INSTALLATION

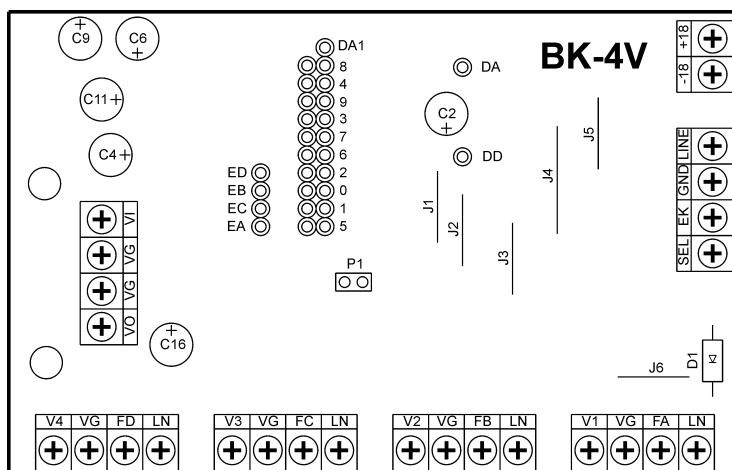
The device fastens either with a springing clip to a DIN - strip or with 2 screws (not included).

For installation order refer to videodoorphone operating instruction and terminals layout label under the cover.

Up to 4 handsets / monitors may be connected to output terminals via 2-wire cables. Positive polarity wire must be connected to one of **LN** terminals (internally connected), while negative polarity wire – to one of **FA, FB, FC** or **FD** – terminals (outputs).

LINE (Intercom), **GND** (Ground), **EK** (Code) and **SEL** (Select) are input terminals of device and must be connected to the corresponding terminals of the doorstation.

Handsets may have apartment numbers of the same or adjacent decades, for example: **01 – 04** or **09 – 12** or **08 – 11**.



CODING

Connect six jumpers (**DA, DD** and **EA, EB, EC, ED**) inside the commutator to proper output pins (**0...9**) of the apartment number decoder.

Note, that **DA** and **DD** jumpers determine the decade in apartment's number, while **EA, EB, EC, ED** jumpers determine the units in apartment's number.

If all apartment numbers are in the same decade (example: **№01, №02, №03, №04**), then **P1** jumper must be in its place.

1. Connect **DA** jumper to **0** - pin. It determines **0** - decade for **FA, FB, FC, FD** outputs.
2. Connect **DD** jumper to **DA1** pin (same as **DA**).
3. Connect **EA, EB, EC, ED** jumpers to **1, 2, 3, 4** pins. They determine units (see above). Apartment numbers will be coded as follows: **FA - №1, FB - №2, FC - №3, FD - №4**.

If two apartments have numbers from one decade, while the rest two – from adjacent decade, (for example, **№08, №09, №10, №11**), then **P1** jumper must be in its place.

1. Connect **DA** jumper to **0** - pin. It determines **0**- decade for **FA, FB** outputs.
2. Connect **DD** jumper to **1** - pin. It determines **1**- decade for **FC, FD** outputs.
3. Connect **EA, EB, EC, ED** jumpers to **8, 9, 0, 1** pins. Apartment numbers will be coded as follows: **FA - №8, FB - №9, FC - №10, FD - №11**.

If one apartment has number from one decade, while the rest three – from adjacent decade, (for example, **№10, №11, №12, №09**), then **P1** jumper must be removed.

1. Connect **DA** jumper to **1** - pin. It determines **1**- decade for **FA, FB, FC** outputs.
2. Connect **DD** jumper to **0** - pin. It determines **0**- decade for **FD** output.
3. Connect **EA, EB, EC, ED** jumpers to **0, 1, 2, 9** pins. Apartment numbers will be coded as follows: **FA - №10, FB - №11, FC - №12, FD - №9**.

