

OPERATING INSTRUCTION

The power supply unit **BPD18/12-3-1(-2)** (in further - unit) is intended for operation with **VIZIT** doorphones.

SPECIFICATIONS

Mains voltage, VAC	
BPD18/12-3-1	220 ± 22
BPD18/12-3-2	110 ± 11
Mains frequency, Hz	50 – 60
Power consumption, VA, no more	30

Rated output voltage, VDC

" +E " - " GND "	18 ± 1.8 / 0.6A
" +DL " - " -DL " *	12 ± 1.2 / 0.6A (continuously)
	18 ± 1.8 / 1.0A (temporarily)
" +Ec " - " GND ":	12 ± 0.4 / 0.1 A

* - switchable with "**12 – 18**" jumper

OPERATING CONDITIONS

Ambient temperature range:	from 1°C to + 40°C
Relative humidity of air:	up to 95 % at 30°C

PARTS LIST

Power supply unit BPD18/12-3	1pc
Operating instruction	1pc
Power cord	1pc
Accessories	1pc

SAFETY INSTRUCTIONS

WARNING! Dangerous voltage is present in powered-up unit!

To avoid electrical shock disconnect the unit from the mains before connecting the wires or replacing a fuse. Short circuits in output lines are not allowed!

Powering-up the unit with removed cover **IS PROHIBITED**.

+E terminal is used for feeding the doorstation.

+Ec terminal is used for feeding the camera.

ELC terminal is used for door lock control.

+DL and **-DL** terminals are used for feeding the door lock.

INSTALLATION

The unit is to be fixed on a wall using mounting holes at the rear panel. Output terminals must be oriented downward for proper ventilation of the unit. Don't mount the unit near heating equipment!

Remove the cover off before connecting the wires to unit. Connect the power cord and load circuits. The requirements to the wires are given in **VIZIT** doorphones wiring diagrams.

Set 3 jumpers to the necessary positions (see figure 1):

1. "**I – U**" jumper defines the door lock relay control mode:
 "**I**" – position: Relay turns on when current about 0.15 – 0.2 A flows from "**ELC**" terminal to "**GND**" one.
Short circuit is not allowed!
 "**U**" – position: Relay turns on when resistor about 0 – 1 KOhm is connected to "**ELC**" and "**GND**" terminals.
2. "**12 – 18**" jumper defines the voltage at the **+DL** and **-DL** terminals and must be set according to the lock supply voltage: "**12**" – position is for 12 Volts, "**18**" – position is for 18 Volts.
3. "**NO-NC**" jumper must be set according to the lock operation modes.
 If a lock opens when voltage is turned off then jumper must be set to "**NC**" position (normally closed contacts).
 If a lock opens when voltage is turned on then jumper must be set to "**NO**" position (normally open contacts).
 Note, that relay is turned off in STAND-BY mode.

NOTE: If "**12 – 18**" jumper is set to "**18**" position then total current over **+E** and **+DL** terminals must not exceed: **0.6 A** in continuous mode and **1.6 A** in temporary duty mode.

After installation being completed, check up all connections and return the cover to its place.

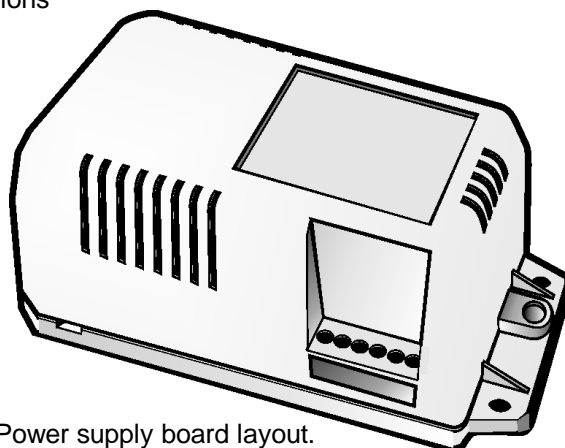
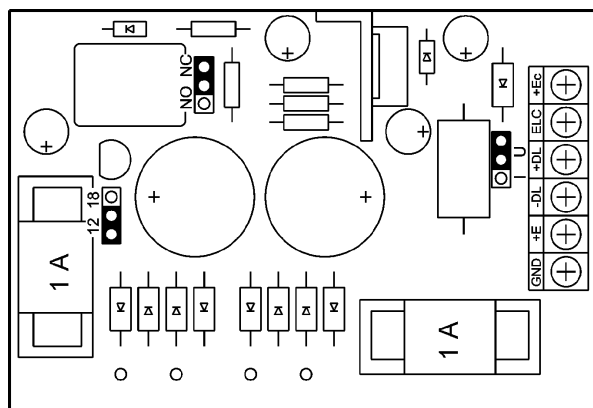


Figure 1 - Power supply board layout.