

“DMTech” Ltd, Pleven

POWER SUPPLY TYPE FP9000P



GENERAL DESCRIPTION

Power supply type FP9000P is an independent feeding device of combined type – back up battery and battery charger. Its function is to ensure continuous power supply for devices in fire-alarming and fire-detecting installations and automation of the fire protection equipment.

The feeder complies with the provisions set in the European Standard EN 54-4.

FP9000 P consists of:

- feeding module;
- two back up batteries; these back up batteries are not included in the content of the delivery.
- Connecting terminals and a fuser 220V

The power supply front panel provides indication for the following conditions:

- Duty Mode (green LED)
- Fault condition (yellow LED). The fault condition could mean voltage failure 220V or interrupted fuse AC; fault or missing back up battery; interrupted fuse ACU; interrupted fuse User ;
- Low battery, back up battery or interrupted fuse ACU (yellow LED);
- mains voltage failure 220V AC or interrupted fuse AC (yellow LED);
- interrupted fuse User (yellow LED).

Upon fault condition the relay output is switched, too.

On the supply module the following terminals are located for connection to:

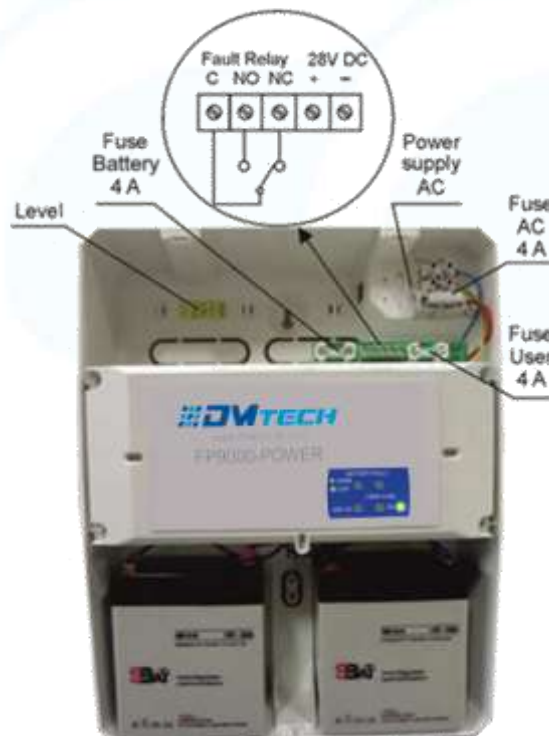
- the relay contacts for fault condition;
- voltage terminal 28V / 2.0A.

1. TECHNICAL DATA

| | |
|---|--|
| Input voltage | (187-253)V AC, 50/60 Hz |
| Maximum current consumption | 56VA |
| Output voltage | (17-27.6)V DC |
| Output current | 2.0A |
| Maximum output current | 3.5A for 15 minutes |
| Average charging current | 0.8 A |
| Overcharging protection | at voltage < 17V |
| Output for fault condition | relay, potential free switching, 1A / 30V DC |
| Maximum section of the connecting wires | 2,5 mm ² |
| Back up battery | 2x12V / 5 Ah |
| Degree of protection | IP 40 |
| Operational temperature range | -5°C up to +40°C |
| Relative humidity resistance | (92±3)% at 40°C |
| Dimensions | 305x250x100 mm |
| Weight of the feeder | 1.0 kg |

2. CONTENT OF DELIVERY

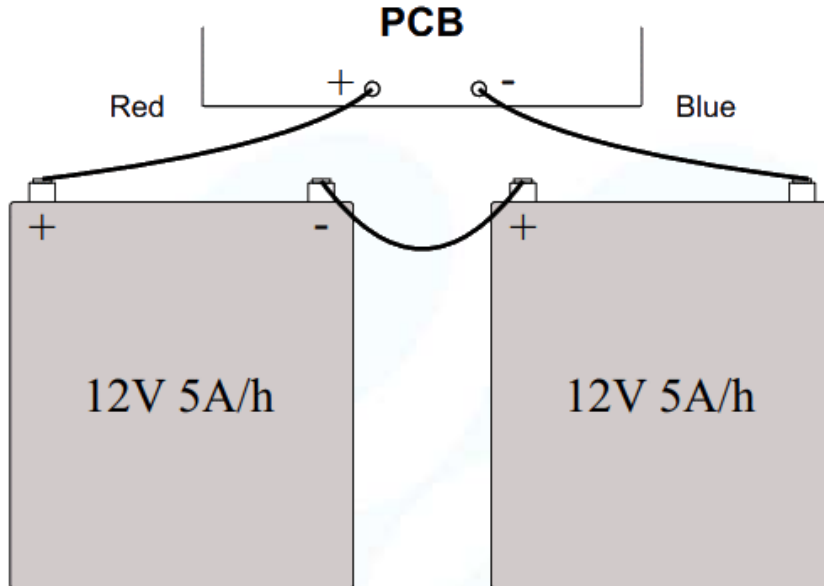
| | |
|---|--------|
| Power supply FP9000P | 1 pc. |
| Instruction Manual | 1 pc. |
| Fuse 4A | 1 pcs. |
| Connecting bridge for the back up batteries | 1 pc. |
| Package | 1 pc. |



3. INSTALLATION

To install the power supply please follow the sequence:

1. Dismantle the cover by unscrewing the fixings on the front panel.
2. Drill the holes for the connecting wires. Observe the marked places.
3. Install the required connecting wires to the module.
4. It is recommended to install the multi-core connecting wires with cable shoes.



5. Put the indicating PC board cable wires in the respective terminals . Then install the cover by means of the fixings.

4. SERVICE SCHEDULE

1. Inspection for visible physical damages - monthly
2. Satisfactory operation test – monthly

5. WARRANTY

The manufacturer guarantees that the product complies with EN 54-4.

The warranty period is 36 months from the date of sale, provided that:

- storage and transport conditions are met;
- the commissioning is carried out by authorized persons;
- the operating requirements set out in this manual are observed;
- the defects are not caused by natural phenomena and failures of the power supply network.

If a warranty repair is required, please contact your supplier.



DMTech wishes you pleasant work!