

®



PSB series Power Supply Unit

Specifications:

Gianni power supplies are housed in a robust, compact wall mounted steel fabricated case with lift-off hinged front panel. In the event of a mains power failure, standby power is automatically provided from battery charging output.

- ✓ **Input: 110~120 VAc (or 230~240VAc) .**
- ✓ **Strong power output even enough for large load.**
- ✓ **LED indicates power supply status.**
- ✓ **Build-in triple section fuse protection**
- ✓ **Each output is protected by individual PPTC**
- ✓ **Build-in backup battery Charger for uninterruptible.**
- ✓ **Tamper Switch Protection.**



24VDC case Size



12VDC case Size

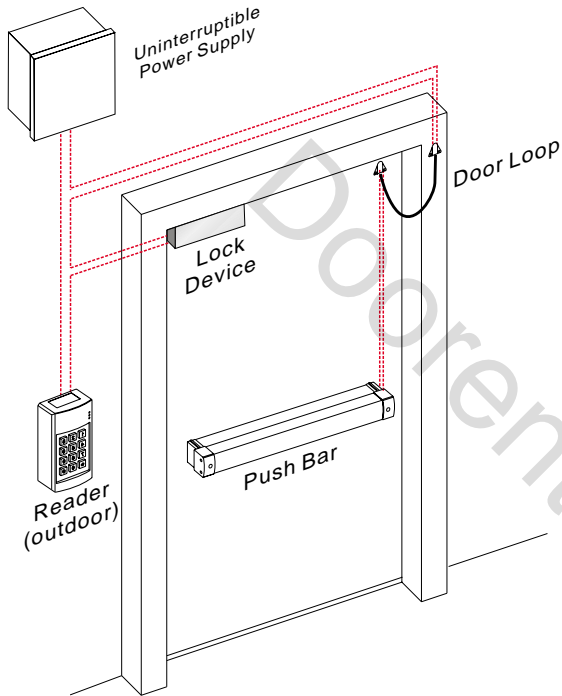
| | PSB-1A | PSB-2A | PSB-3A | PSB-5A |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Input | 110~120 Vac (or 230~240VAc) | 110~120 Vac (or 230~240VAc) | 110~120 Vac (or 230~240VAc) | 110~120 Vac (or 230~240VAc) |
| Output | 12 VDc (or 24VDc) | 12 VDc (or 24VDc) | 12 VDc (or 24VDc) | 12 VDc (or 24VDc) |
| 2 LEDs to indicate power supply status | ✓ | ✓ | ✓ | ✓ |
| Build in triple section fuse protection (PPTC) | ✓ | ✓ | ✓ | ✓ |
| Output contact port | 1 | 1 | 3 | 5 |
| 12VDC case Size(mm) | (L) 230 (W) 200 (D) 80 | (L) 230 (W) 200 (D) 80 | (L) 330 (W) 330 (D) 80 | (L) 330 (W) 330 (D) 80 |
| 24VDC case Size(mm) | (L) 330 (W) 330 (D) 80 | (L) 330 (W) 330 (D) 80 | (L) 330 (W) 330 (D) 80 | (L) 330 (W) 330 (D) 80 |
| Build-in backup * battery Charger | ✓ | ✓ | ✓ | ✓ |
| Tamper Switch * | ✓ | ✓ | ✓ | ✓ |

*Optional: Tamper Switch: When housing case is opened, the tamper switch will switch to N.O. (Normal Open)

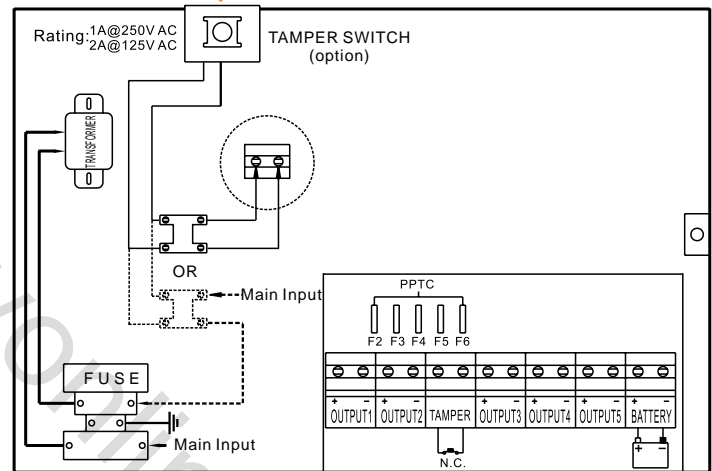
*Battery charger and may accommodate up to 2 batteries that provide continuous operation of access controls and locking hardware during a power failure.



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(PSB-5A)



1. Status LED specifications

- Power:

Orange: Both AC input and DC outputs are at normal status.

Green: There is no AC input, and the power is supplied by the batteries.

Red: There is no output voltage.

- Charge:

Red light on: The batteries are charging.

Red light off: The batteries are finished charging. (If the light is off immediately after the power is on, there may be some damages with the batteries).

2. Installation specifications

- There is always voltage output between the OUTPUT 1~2.

When the TAMPER is at N.C, there is voltage output between the OUTPUT 3~5, and when the TAMPER is at N.O, there is no voltage output.

- Each OUTPUT is protected by individual PPTC from over current; therefore each load of output may not exceed 1AMP.

- TAMPER switch: system on-off push switch mounted on outside cover. When outside cover is close, TAMPER switch is on N.C; when outside cover is open, TAMPER switch is on N.O.

■ For series connection at "L", it will disconnect the main power for 230Vac.

■ For parallel connection at the TAMPER, it will control the output between the OUTPUT 3~5.

Warranty:

GEM access control related accessories are warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original customer.

Disclaimer:

The information and specifications printed in this manual are current at the time of publication. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.