



## PSU12V5A8OC

12Volt, 5Amp PSU

The PSU12V5AOC is a specialist 12V DC @ 5Amp or 24V DC @ 3Amp PSU, developed specifically for the Access Control Industry. Incorporating both maintained and switched outputs through individually fused outputs, the unit will power access control panels and door locks without compromising operation.

### Product Description

A power supply that will provide either 5 Amp 12V DC (13.7) or 3 Amp 24V DC (27.4). The output voltage is changed by means of a simple selector plug. The Unit provides two separate outputs, one maintained and the other switched, typically via a Fire Alarm Panel. The maintained output typically supplies the access control panel, whilst the switched will power the locks so that if the fire alarm is activated, all the power to the locks is dropped, thus allowing free egress. The switched output has a fuse board with 8 individually fused outputs therefore ensuring that should a fault occur at any lock, only that circuit will be disabled whilst all other lock outputs will remain active. The PSU houses and charges two 12V 7Ah, or one 12V 12Ah or one 12V 17Ah VRLA batteries. The unit has separate SPCO (Single Pole Change Over) contacts for "Mains Fail" monitoring. Enclosure includes a hinged lid, tamper switch and lock.



### SPECIFICATIONS:

- **Supply Voltage:** 240V AC 50Hz
- **Current Consumption:** <120VA at full load
- **Output Voltage (Selectable):** 12 Volt DC (13.7) or 24 Volt (27.4)
- **Current:** 5Amp @ 12V or 3Amp @ 24V.
- **Knock Outs:** 6 x 25mm, 9 x 20mm.
- **Operating Temperature:** -10° C to +40° C
- **Storage Temperature:** -20° C to +50° C
- **Operating Relative Humidity:** up to 95% non condensing
- **External Dimensions:** H410 xW410 x L122mm.
- **Battery Size:** 1 or 2 7Ah VRLA Batteries, (Yuasa 'NPC17-12' or equivalent) or 1 x 12Ah or 1 x 17Ah - sold separately
- **Weight:** 8.2 Kg



### FEATURES:

- **2 separate outputs**
- **Output 1 is maintained, Output 2 is switched via a link to a fire panel .**
- **Output 2 has 8 individually fused outputs**
- **Volt free Mains Fail contact for monitoring.**
- **8 Load Output LED's (1 per fused output).**
- **Materials: 1.2mm (18SWG) CR4**
- **Finish: White Powder Coat**
- **Hinged Lid**
- **Tamper Switch**
- **Lockable Enclosure**
- **CE Approval**
- **MTBF of 50,000 hours**

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# PSU12V5A80C PSU ENCLOSURE LAYOUT

The PSU12V5A80C Enclosure has been predrilled to accept 1 Mercury board of any type. The PSU12V5A80C Power Supply unit is supplied with all the pillars required for mounting the boards.

