

S 1 / S 3

Power Supply And Battery Charger

INSTALLATION GUIDE



1.0 Description

Two Models	S1	S3
Output Current Rating	1 Amp	3 Amps
Fuse size, Primary	125mA	315mA
Fuse size, Secondary	1 Amp	3 Amps
Battery Capacity	3 Ah	7.2 Ah

Switch-mode design means High efficiency and low heat radiation.

2.0 Battery

For safety reason the battery is placed in a separate box, also included.

If the power supply is out of use (disconnected from mains), also disconnect battery to prevent it from going flat.

Battery should be replaced every third year as a routine

3.0 Installation

1. 220 V AC mains connects to terminal **1** and **2**, at the outermost left, marked **0** and **F**.
2. The units, which needs supply of the 12 V DC connects to terminal **3** and **4**. Important: connect + and - properly
3. Battery connects to terminal **5** and **6**. **Important: connect + and - properly**
4. Do not connect to terminal no. 7. This is used by Dr.Sherlock + Dr.Mayday ALARM UNIT to carry out an automatic Battery Test Procedure. If you connect terminal no. 7 to Ground, voltage will drop to 10 V DC.
5. Factory setting is 13.7 V DC . Adjustment can be done at potentiometer "JUST.LADESP." , but normally, don't change
6. **S1** is fused by 1 Amp, and **S3** is fused by 3.15 Amps. Do not exchange to larger values. Measure load. Actuator motors may increase current as they get old. If so, exchange the motor.
7. Test emergency opening function of the actuator motors regularly by disconnecting mains, and make the actuator motors open.

Connection example

How to connect to actuator motor SM58 and SM59

