KT Assemblies Ltd

PSU0906/EN-G2
1 Reg 12V DC 2 Amps Peak

A high specification EN Compliant Grade 2, 12 Volt wall mounted power supply, this supply is fully regulated to 2 Amps, and in addition it supports the load during a mains power failure when standby batteries are fitted. This power supply is suitable for use in systems designed to comply with PD6662:2004 at Grade 2 and Environmental Class 2.

DIMENSIONS

Enclosure size Height 410mm Width 410mm Depth 110mm. Weight 5Kg Approx less batteries.
The above enclosure is able to accommodate a battery capacity of up to 36A, using 2 x 18Ah batteries.
NOTE Batteries available on request.

Other enclosures sizes are readily available on request to accommodate multiple or larger standby batteries.

Chassis size Height 147mm Width 216mm Depth 65mm
Weight 1.5 Kg.

CONSTRUCTION

A rugged steel vented enclosure with hinged lid, a number of 20mm conduit knockouts in the top, sides and rear providing easy access into the enclosure, finished in powder coated white to match other office and industrial control systems.

The power supply is mounted separately from the steel enclosure on an aluminium chassis plate enabling easy mounting of the enclosure onto the wall. This feature also provides fuss free removal of the power supply at a later date should the unit require servicing or repair or the interchanging of PSU's of a different specification.

The front of the enclosure can also be screen printed with your company logo in one colour upon request. The enclosure has a tamper switch that will detect removal from the wall or lid tampering.

The option of a cam lock is also offered if security is of paramount importance.

TECHNICAL SPECIFICATION

Mains Input Voltage	230/240 volts 50/60 Hz
Mains Input Fuse	1 amp Ceramic fuse
Mains Currant Consumption	.16 amp
Output Voltage	13.6 Volt DC
Output Fuse	2 amp Q/B Glass fuse #
Continuous Operating Current	2 amp*
Maximum Operating Current	2 amp*
Mains Power Indication	YES
Fan cooled	NO
Remote Fault LED Indication	YES - Selectable
Power Relay Control on Board or Remote	YES - Selectable
Audible warning of output fuse blown	YES - Selectable
Audible warning of mains failure *	YES - Selectable

(*only if standby battery is fitted)

ADVANCED FEATURES

Mains Fail Output.
The supply has an output to signal EPS (External Power Source) Fault when the mains has failed, the mains failure will be generated <10s from failure and will restore when mains is restored.

Battery Disconnect.
Battery volts monitoring, this disconnects the battery when the volts are getting too low for practical operation of the system. This stops the battery from going into deep discharge and also causing problems upon re-charging.

APS Fault Condition
Alternative Power Source (APS) output, this O/P will generate a fault condition when the output supply has reached a low level, or failed completely during an EPS fault condition.

Separate Charge Circuit
This power supply employ's a separate circuit to charge the batteries, this is completely independent of the main supply and it therefore is not affected by the O/P load.

Tamper Detection
The enclosure has a tamper switch that will detect removal from the wall and lid tampering

RS Link Option Non Graded Use Only
The RS link can be used to control the output 1 terminal via a relay or switch without causing an output fault condition.

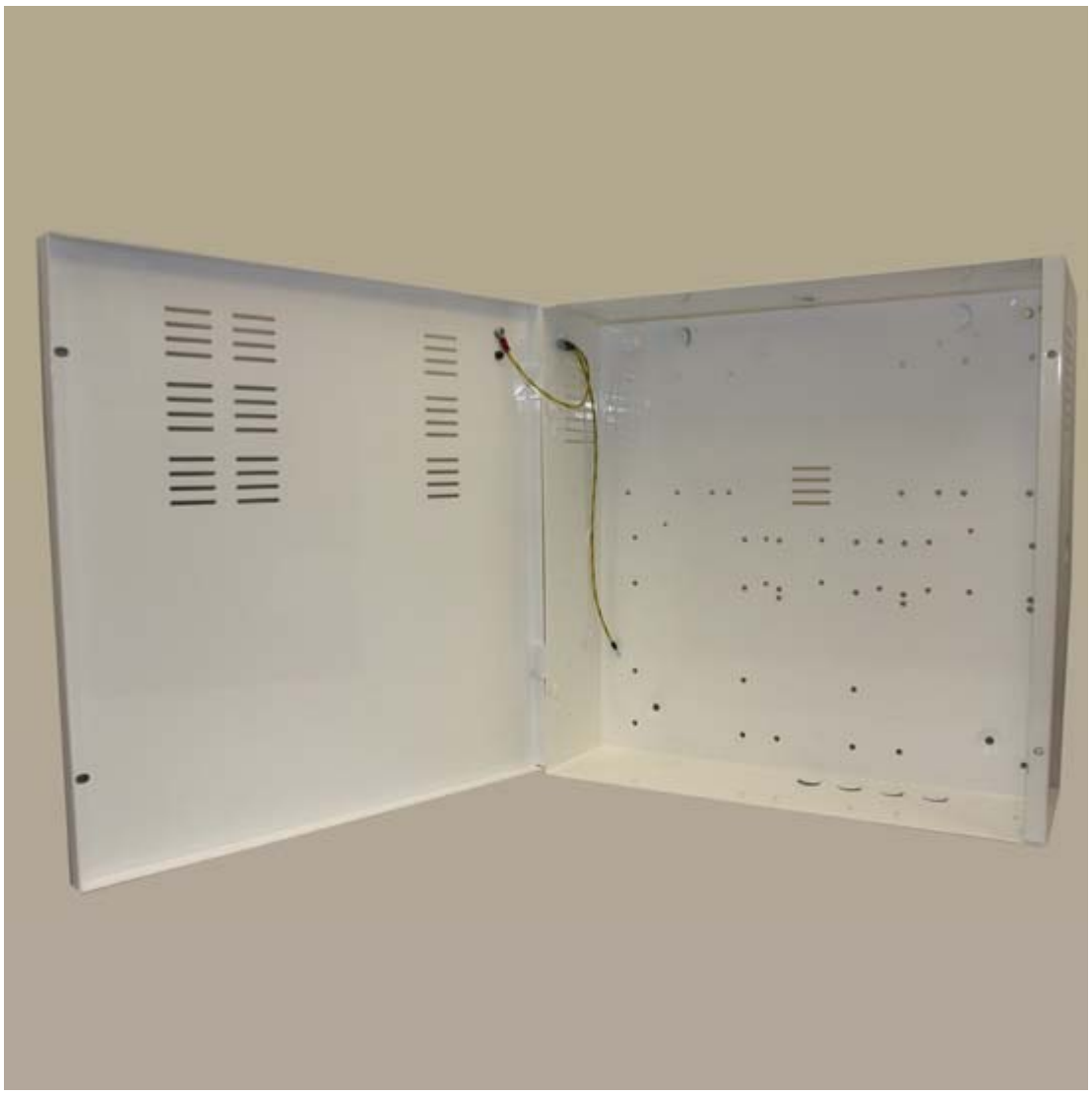
The power relay that can be used to control lock strikes also can be used as a fire interface link by cutting off the RS link on the PSU. The input voltage to the coil can be set to 24volt or 12 volts via an on board jumper**. It can be controlled by internal or external source. (Non Graded Applications)

* Note. ***This power supply is capable of running at full load but this is not advised under normal circumstances.***

Terminal SQ is a 100ma output that bypasses the output fuse, which can be used to indicate a fault condition with a buzzer* or LED via the fault relay contacts.

The set of jumper pins are used to program the status required from the fault relay,
this can be either battery monitor fault if the card is fitted , mains failed only, mains failed and output fuse blown, output fuse blown only.
This relay can also be activated by external source via the RA+ terminal.

There is provision for standby rechargeable batteries to be housed internally. (Batteries can be supplied phone for prices)



Sample Enclosure