KT Assemblies Ltd

PSU01 & PSU03
1REG POWER SUPPLY 12VOLT 1 AMP

A high specification wall mounted power supply fully regulated 1amp supply, in addition supports the load during a mains power failure when standby batteries are fitted. Suitable for a wide range of applications in the fire and security industry. Also available in chassis format or a 2u & 3u rack unit.

DIMENSIONS

Enclosure size Height 310mm Width 230mm Depth 75mm
Weight 3.1 Kg (Excluding batteries)

Chassis size Height 147mm Width 216mm Depth 60mm
Weight 1.1 Kg.

CONSTRUCTION

A rugged steel vented enclosure with hinged lid and 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 inter changing 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 as well it has pre punched holes for a tamper switch also sold separate.

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	.08 amp
Output Voltage	13.6 Volt DC
Output Fuse	1 amp Q/B Glass fuse #
Continuous Operating Current	750 ma
Maximum Operating Current	1 amp
Mains Power Indication	YES
Fan cooled	NO

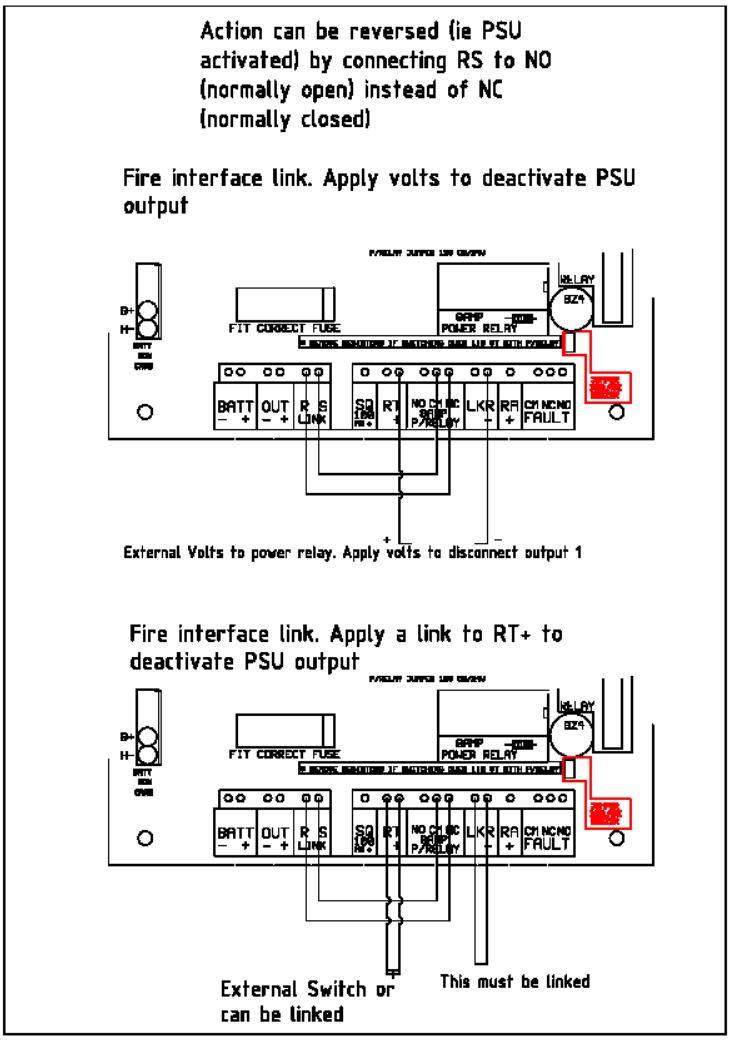
Remote Fault LED Indication	YES
Power Relay Control on Board or Remote	YES (From 01.07.09)
Audible warning of output fuse blown	YES
Audible warning of mains failure *	YES

(*only if standby battery is fitted)

ADVANCED FEATURES

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. (See diagrams)



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}

OPTIONS AVAILABLE

(Part no BMV)
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.

(Part no BML)
Battery disconnect module, this connects in-between the PSU and the battery so if someone take the battery away it will give you a fault condition on the PSU, this is done by a trigger wire form the module to the RA+ terminal on the PSU.

Battery charge rate LED indication detects over charging, under charging and correct charge voltage of the battery via a tri colour externally mounted LED. Red signals over charge, green signals correct charge and yellow signals under charge.
(Not on 6 volt units.)

(Part no PSU/F??)
Fuse distribution cards of any number can also be specified upon request these will be mounted inside the steel enclosure on pillars.
From 2 to 16 fuse outputs.

(Part no TAMP)Tamper switch this option is only available on boxed PSU's, this comes complete with wires (Black= common, Purple= normally closed, White= normally open)

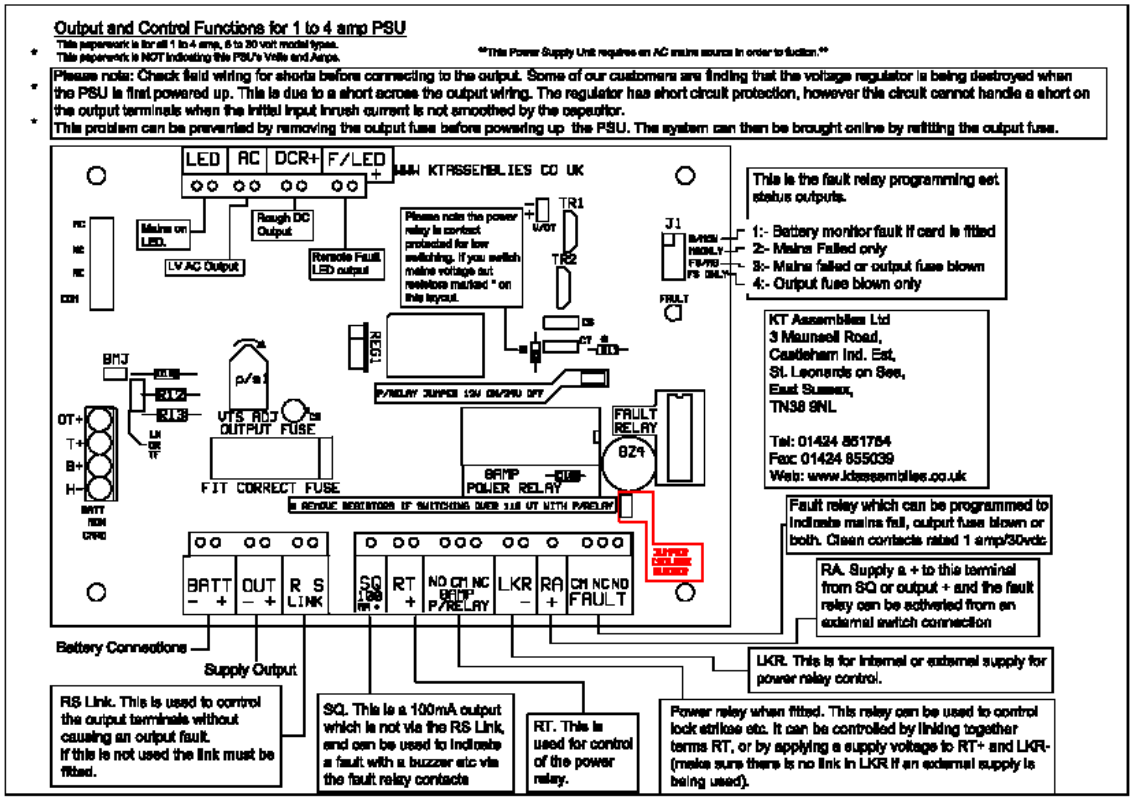
19" 3u rack mounted version also available.

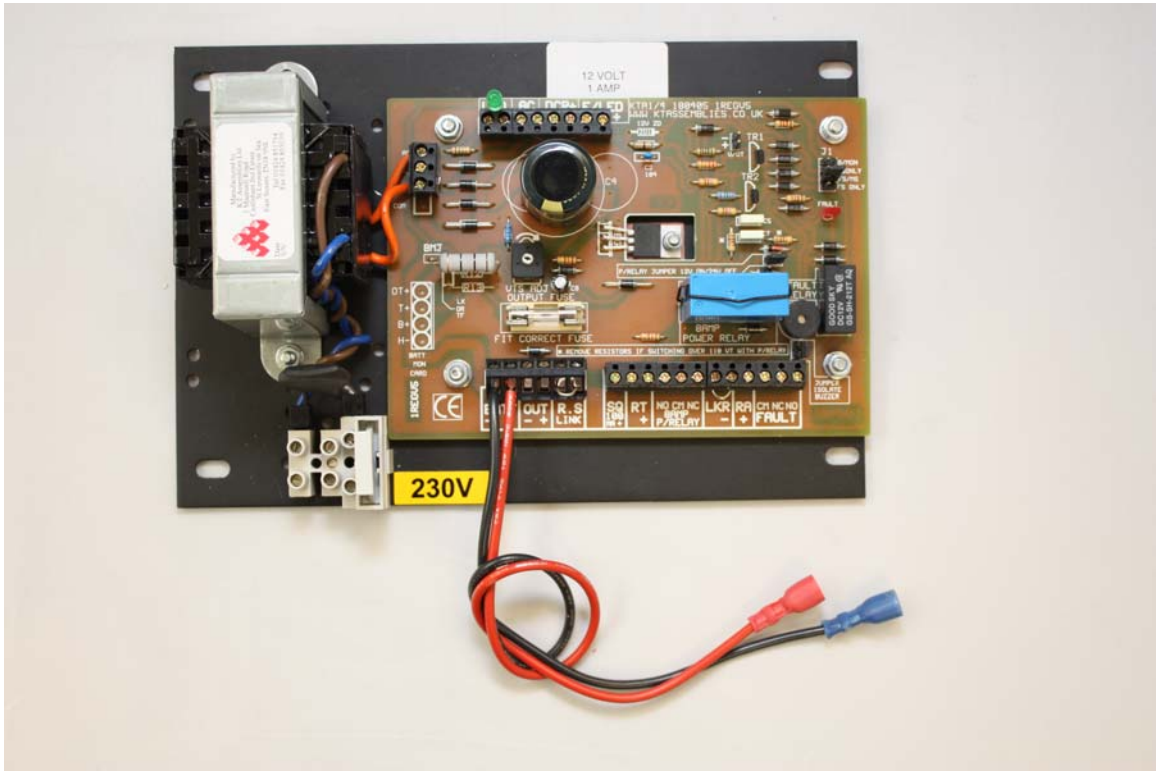
* Not on units supplied before July 2005
** Not on 6volt units
# changed to 8amp Feb 2006

Note - The pictures below are for illustration purposes only and may not necessarily display the above specification.

Specifications and design are subject to possible modifications without notice due to improvement.

OUTPUT & CONTROL FUNCTIONS FOR 1 TO 4AMP PSU'S






SECURITY SYSTEM CONTROL