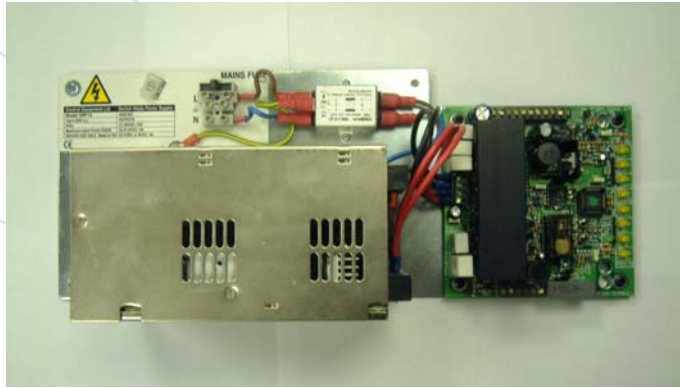
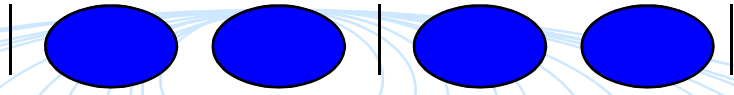


A1584 Power Supplies



Key Features

- ◆ Can be used on a variety of equipment
- ◆ Rated at either 5, 10 or 15 Amps
- ◆ 28 volt output
- ◆ 5/8v DC output
- ◆ Battery charger output 27.5v DC (adjustable from 22.5v to 29v)
- ◆ Normally energised fault relay rated at 1 Amp @ 24v DC
- ◆ Mains and common fault open collector outputs
- ◆ Battery shut-off voltage of less than 18v
- ◆ Over current protection on all outputs
- ◆ Designed to meet EN54 specifications

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Introduction

The A1584 power supply is available as either a 5 amp 10 amp or 15 amp unit, all designed to meet EN54-4 specifications. They can be used on a variety of equipment such as Discovery panels and the R3 panels or any application where an EN54 specification power supply is required.

The power supply requires 230 volts AC supply input and provides three separate outputs of 28 volts DC, 5 volts DC and a temperature compensated 27.5 volt DC (float) output for battery charging. The 28 volt output is derived from the DC output of the switchmode power supply, whilst the 5v DC output is derived via a regulator on the A1584 control board. In the event of mains failure, the power supply will automatically change over to the standby batteries. The engineer may enable or disable the earth fault monitoring feature.

The power supply has 9 LED status indicators to indicate what type of fault has occurred on the power supply. The power supply consists of a steel mounting chassis with the A1584 motherboard, a switchmode power supply & a fused mains input terminal block.

Technical Specifications

Control Supply Output:	28v DC @ 10 Amps max current
5/8 Volt Supply Output:	5/8v DC @ 3 Amps max current
Battery Charger Output:	27.5v DC (adjustable from 22.5v to 29v)
LED Fault Indications:	Processor, Battery Disconnected, Low Battery Charge, Earth Fault, 5/8v Output, Main Output, Thermal

Part Numbers

2500/193	EN54 5 Amp PSU Terminal block version (SMP5)
2500/206	EN54 10 Amp PSU Terminal block version (SMP10)
2500/207	EN54 15 Amp PSU Terminal block version (SMP15)

From the UK's leading control panel manufacturer

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