



# POWER SUPPLY UNIT

UL Approved 10.25 Amp Power Supply

## Features

- ▶ Continuous 8A load output while charging fully depleted batteries
- ▶ Charges up to 40Ah batteries
- ▶ Listed to UL 1481 & 864
- ▶ 120V to 240V AC input
- ▶ AC fail monitoring with LED indication and output
- ▶ Battery disconnection monitoring with LED indication and output
- ▶ Low battery monitoring with LED indication and output
- ▶ Dynamic earth fault monitoring with LED indication and output
- ▶ Deep-Discharge prevention
- ▶ Temperature compensated battery charging
- ▶ Battery boost circuit



## Description

The K1840 & K1841 are UL listed, universal input switching power supplies capable of delivering a full 192W of continuous power for fire alarm systems.

Suitable for charging a range of sealed lead acid batteries from 7Ah to 40Ah, the K8140 & K8141 power supplies feature complete monitoring of primary & secondary power sources. Incorporates fully temperature compensated battery charging and battery high impedance monitoring.

## Equipment

Product code	Description	Batteries	Size (mm)
K8140-10	10.25Amp PSU standard Cabinet - red	Up to 18Ah	369 x 481 x 110
K8140-40	10.25Amp PSU standard Cabinet - grey	Up to 18Ah	369 x 481 x 110
K8141-10	10.25Amp PSU deep Cabinet - red	Up to 40Ah	369 x 481 x 199
K8141-40	10.25Amp PSU deep Cabinet - grey	Up to 40Ah	369 x 481 x 199

## Specification

Construction	1.2mm mild sheet steel
IP Rating	IP30
Finish	Epoxy powder coated
Colour - lid & box	Red RAL 3002 (optional grey BS 00 A 05 semi-matt)
Input voltage	120V AC to 240V AC 50/60Hz
Output voltage	24V DC
Total output current	10.25 A
Battery charge current	2.25 A
Load current	8.0A (with flat battery)
Trouble output rating	30V DC 1A max.
Main fuses	5A 20mm HRC
Load fuses	10A (self resetting)
Operating temperature	0°C to 40°C
Operating humidity	<93% (non condensing)