



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 is a UL listed, universal input switching power supply 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 & K1841 power supply features complete monitoring of primary and secondary power sources with 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	368 x 310 x 108
K8140-40	10.25Amp PSU standard Cabinet - grey	Up to 18Ah	368 x 310 x 108
K8141-10	10.25Amp PSU deep Cabinet - red	Up to 40Ah	368 x 310 x 197
K8141-40	10.25Amp PSU deep Cabinet - grey	Up to 40Ah	368 x 310 x 197

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)