9-30855-18

EN 54-4 approved, 24 V, 5 A (+ 0.7 A), intelligent power supply

Product overview

The 9-30855-18 is a fully featured 24 V EN54-4 approved power supply ideal for use in fire system applications. The output current is split between the load and charging the batteries. It features intelligent battery charging, monitoring and signaling, while providing deep discharge protection to prevent premature battery failure when operating from standby for extended periods.

On the front of the unit, diagnostic LEDs indicate the status of the power supply, with various flash patterns to ensure accurate diagnostics when the unit is in fault.

The range is available in different size of output currents, with support for various sizes of batteries.

Installer friendly

The power supply is supplied in a self-contained, wall mounting box that can also house 18 Ah batteries (not included).

Selection of the battery size is easy with the use of a jumper. Similarly a jumper is used to select between dual-path or two individual outputs. With this feature mission critical applications can be powered, ensuring redundancy in the supply of 24 V to the load.

On the front of the unit, 6 LEDs indicated the status of the power supply. To aid with the interpretation of the meaning of the LEDs, a legend is used on the front of the unit. Additionally there is also a diagnostics LED, that with different flash patterns indicated even more detailed information.

A potential-free contact is used to signal faults due to output failure, battery fault, charger fault or internal fault. A second potential-free contact signals the loss of mains power.



Details

- Approved to EN54-4 certified
- Self contained box houses 18 Ah batteries
- Deep battery discharge protection
- Diagnostics leds on front of housing
- 2 x relay outputs
- Dual load connection terminals
- Wide input voltage range

9-30855-18

EN 54-4 approved, 24 V, 5 A (+ 0.7 A), intelligent power supply

Technical specifications

Electrical

Power supply type	220/230 VAC
Power supply value	195 to 265 VAC
Voltage output range - mains powered	21.6 to 28.8 VDC
Voltage output range - battery powered	21.6 to 26 VDC

Output

Voltage	24 VDC
Current	5 A (load) + 0.7 A (battery charge)
Output Current	5 A

Standby battery

Batteries supported in housing	Up to 18 Ah

Physical

Physical dimensions	400 x 420 x 80 mm
Net weight	5.8 kg (without batteries)

Environmental

Operating temperature	-10 to +40°C
Storage temperature	-20 to +80°C
Relative humidity	75% noncondensing
IP rating	IP30

Regulatory

Certification	CPR

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 1 July 2026 - 10:31