

PSU24-10A

Intelligent Network Power Supply Unit



Description

To support heavy consumption application, part of the fire alarm devices require for external 24VDC power supply. PSU24-10A Intelligent Network Power Supply Unit is the suitable choices. The supply source can be 110~230 VAC, 50/60 Hz. Nominal output load is 10A/24VDC. The built-in charger and maintenance-free sealed lead acid batteries ensure the standby supply.

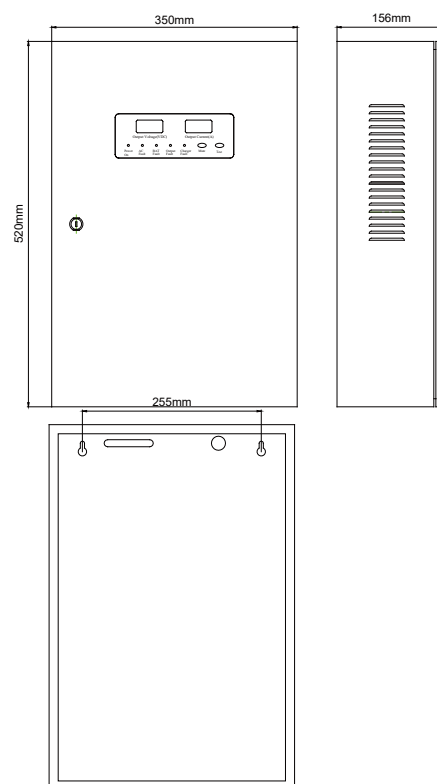
With additional addressable feature, PSU24-10A is also possible to be connected into fire alarm loop. With the address control, it is able to report fault of mains loose, battery loose or output broken to the fire panel.

Features and Benefits

- Seamless convert between mains and standby power sources.
- Battery re-chargeable with temperature compensation. Charging current is 2A. Maximum battery capacity is 24Ah sealed lead acid battery.
- Battery over-discharge protection.
- Indication of output voltage, output current, mains fault, battery fault, output fault and charger fault.
- Local audio fault indication.

Installation Data

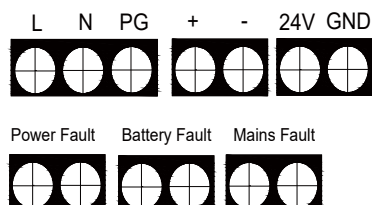
PSU24-10A power supply unit is wall-mount/flush-mount combined. Its appearance and the mounting holes are shown here.



IMPORTANT: This publication is a generic version in which product information is shown for informational purposes only and does not constitute a specific commitment or guarantee. We are constantly pursuing the improvement of product technology to improve product performance, for which we reserve the right to adjust the configuration and technical information of the related products without notice. In addition, the description of system performance in this publication applies only to the usual situation. As a result, there may be a variety of unpredictable special circumstances in the real world, so the realization of the relevant product performance will depend on the professional investigation and analysis and the design plan. Please contact us and we will be happy to provide you with professional advice.

Terminals

The terminals of the PSU are shown below.



L, N, PG: AC input

+, -: Battery input

24V, GND: 24VDC output

Z1, Z2 (on the display board): Loop connection

Power Fault: 24VDC fault contact, 30VDC/2A

Battery Fault: Battery fault contact, 30VDC/2A

Mains Fault: Mains fault contact, 30VDC/2A

2.5mm² or above fire cable is recommended for 24VDC line, 1.0mm² or above fire cable is recommended for other signal lines, but subject to local codes.

Ordering Information

Part No.	PSU24-10A
Device Name	Intelligent Power Supply Unit
Product No.	10103146

Technical Specification

Mains Power	110VAC ~ 230VAC, 50/60Hz
Battery Size	24VDC /24Ah
Rated Output	10A/26.5V DC
Programming	Electronically addressing, from address 1 to 242
Ingress Protection	IP20
Operating Environment	Temperature: 0°C ~ +40°C Relative humidity ≤ 95%, non condensing
Dimension	520mm × 350mm × 156mm

Compatible Panels

GST-IPF8 Intelligent Fire Alarm Control Panel
GST200-2 Series Intelligent Fire Alarm Panels
GST200N Series Intelligent Fire Alarm Panels

Accessories and Tools



Part No.: P-9910B
Device name: Handheld Programmer
Product No.: 10104894