

EN54 Pt.4 Approved Power Supply

With battery backup



Overview

Switch mode power supply unit with 24V dc output voltage, available with a maximum output current of 1.5A, 2.5A and 5A.

The unit is a high efficiency switching power supply; protected from overloads, polarity reversals and short circuits. 4 LEDs indicate power supply status: mains power (green), battery charging (green), battery discharged (yellow) & fault (yellow).

Specifically recommended as an auxiliary power supply unit for fire detection system components such as electromagnets, notification devices, etc. Using the unit in large systems eliminates the problem of long power cable runs which simplifies installation.

The case comes provided with a mechanical lock and tamper switch for opening and closing the front door.

Power Supply Units series 82000B are certified in accordance with the standard UNI EN54-4:1997 + A1:2002 +A2:2006

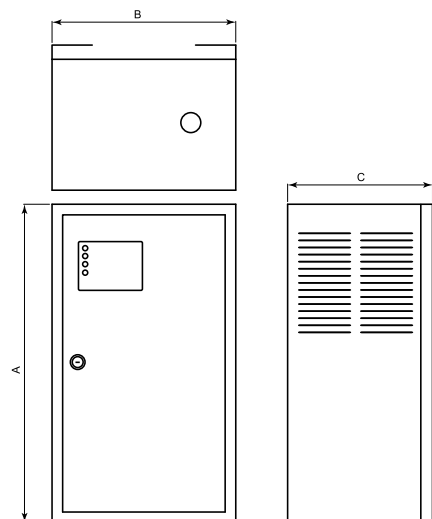
Features

- Switching Technology
- Fault relay
- Tamper switch
- Integral battery
- Fault indicator
- Small & large versions of metallic casing available
- EN54 Pt.4 Approved
- Output currents available: 1.5A, 2.5A, 5A

Benefits

- Simple to use
- Secure steel enclosure
- Battery back up

Dimensions



	H (mm)	W (mm)	D (mm)
P Case	290	250	180
G Case	450	260	205

Installation

1. Enclosure is designed for wall mounting.
2. 2 x 20mm knockouts are provided for cable entry at the rear of the enclosure.
3. A fused terminal block is provided for mains supply connection.
4. Output is protected by internal fuse (displayed in table below).

System Functionality

1. FX range power supplies provide outputs between 1.5A and 5A.
2. Output is used to supply any connected load and also to recharge the integral batteries.
3. To enable batteries to be charged correctly maximum continuous external load should not exceed the values displayed in the table below.
4. LED indicators are provided to signify:
 - Mains healthy (Green)
 - System fault (Yellow)
 - Battery Charging (Green)
 - Charger output fault (Yellow)
5. Mains healthy and system fault LED's are visible without removing front cover.

Technical Specification

Code	FX1-5ABP	FX1-5ABG	FX2-5ABG	FX5-0ABG
Description	Power supply			
Standards	EN 60950 pt1, EN 50130 Pt 4, EN50081, EN54 Pt4, A1:2002, A2:2006			
Specification				
Output Voltage (-)	Min 20.2, Norm 27.6, Max 29.4			
Load Current (A)	1.3	1.3	2.2	4.4
Ripple (mV)	174	174	166	246
Input Voltage (V~)	230 V~ -15+10%, 50/60 Hz	230 V~ -15+10%, 50/60 Hz	230 V~ -15+10%, 50/60 Hz	230 V~ -15+10%, 50/60 Hz
Current Absorption (A max)	0.42	0.42	0.68	1.21
Battery (Pb)	2 x 12V 4.0 Ah	2 x 12V 4.0 Ah	2 x 12V 7.0 Ah	2 x 12V 17.0 Ah
Recharge Current Battery (A)	0.15	0.15	0.25	0.55
Fuses				
Switching Fs1	F2	F2	F3.15	F4
Switching Fs2	F6.3	F6.3	F6.3	F6.3
Circuit of Control F1	F2	F2	F3.15	F5
Circuit of control F2	F2	F2	F3.15	F5
Physical				
Operating Temperature	+5°C to +40°C			
Housing Material	Epoxy varnished sheet			
Standard equipment	Two keys per lock			
Packaging	1pc. / package			
Insulation Class	Classe I			
Ingress Protection	IP30			
Electrical Protection	Fuses for mains and battery overload. Short circuit in output, battery inversion. Door opening tamper.			

Product Codes

Code	Description
FX1-5ABP	24V 1.5A PSU P CASE
FX1-5ABG	24V 1.5A PSU G CASE
FX2-5ABG	24V 2.5A PSU G CASE
FX5-0ABG	24V 5.0A PSU G CASE