

Feature and Benefits

- EN54-4 Compliance
- Built-in MCU processor and digital addressing
- 24VDC/2A fault Output relay
- LED status indicator
- Intelligent charging management
- Aesthetically pleasing design



Overview

LF-X24-10A Intelligent PSU is to solve the problem of power supply and development of field equipment, power output is about 265W (DC26.5V/10A). The main function of the power supply for the conversion of AC220V voltage to DC26.5V, and with the preparation of electric power supply and power charging function, the standby battery provides the output of the DC24V/12Ah in the AC220V to stop the power supply, start to work with the equipment on the spot to play the role of continuation. The power display function is comprehensive, there are output voltage, output current display, the main power fault, Battery power fault / charge fault (battery fault and charge fault share the LED indicate and fault flag), circuit fault indication, and overload, over current, short circuit protection function. LF-X24-10A Intelligent PSU has the function of bus network, which can be connected with the LF-X500 intelligent fire alarm controller of the company, and provides the corresponding linkage / fault information for the alarm controller.

The unit manufactured base on the requirement of EN 54 part 4, European Standard. The unit is aesthetically pleasing with unobtrusive design that will complement modern building designs and its plug-in type assemblies make installation and maintenance more convenient to the installer. The unit is compatible to the LF-X500 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture LIFECO, to avoid addressable communication compatibility problem.

Technical Specification

Compliance	EN 54-4: 1997+A1: 2002+A2: 2006
Input Voltage	Loop Power: 24VDC [16V to 28V]
	Main Power: AC [100V to 240V]
	Battery: DC24V/12Ah Sealed lead acid battery (internal)
Capacity	Rated capacity: DC26.5V, 10A (Main power supply)
	Maximum capacity: DC26.5V, 10.5A (Main power supply)
Protocol/Addressing	LIFECO, Value range from 1 to 254
Dimension / LWH	450 mm x 380 mm x 135 mm
Operating Temperature	-5°C to +40°C
Humidity	0 to 95% Relative Humidity, Non condensing

Panel and Wiring Details

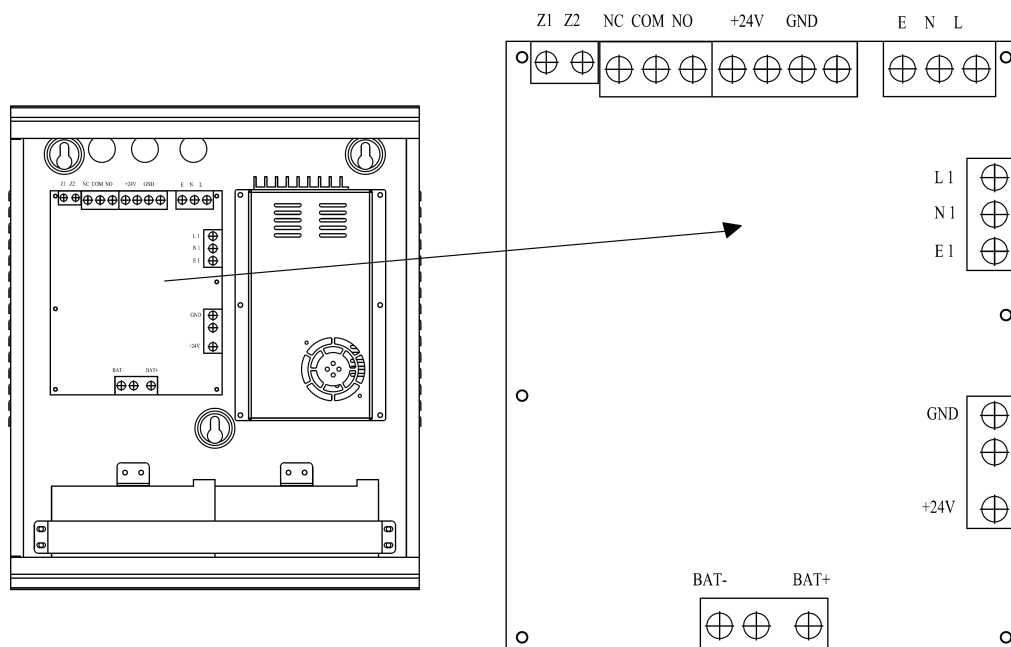


Figure 1: Schematic diagram of external terminals

Terminal Description:

Z1 Z2:	Bus input and output terminal.
L N E:	Main electric AC 220V input terminal. (E for chassis ground terminal)
L1 N1 E1:	AC 220V output terminal. (E for chassis ground terminal)
+24V: 24V	Power input.
BAT- BAT+:	Battery input terminal.
+24V: 24V	Output terminal.
NC COM NO:	Fault relay out. Normally Open (COM connect NO), when fault, relay closed (COM connect NC).