



TX24-5A

Intelligent PSU

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

TX24-5A Intelligent PSU is to solve the problem of power supply and development of field equipment power output is about 132.5W (DC26.5V/5A). 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. TX24-5A Intelligent PSU has the function of bus network, which can be connected with the TX7004 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 TX7004 Analogue Intelligent Fire Alarm Control Panel, produced by single manufacture T&A, to avoid addressable communication compatibility problem.



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Technical Specification

Compliance
Input Voltage

EN 54-4: 1997+A1: 2002+A2: 2006

Loop Power: 24VDC [16V to 28V]

Main Power: AC [100V to 240V]

Battery: DC24V/12Ah Sealed lead acid battery (internal)

Rated capacity: DC26.5V, 5A (Main power supply)

T&A, Value range from 1 to 254

450 mm x 380 mm x 135 mm

-5° C to +40° C

0 to 95% Relative Humidity, Non condensing

Capacity
Protocol/Addressing
Dimension / LWH
Operating Temperature
Humidity

Installation and Wiring

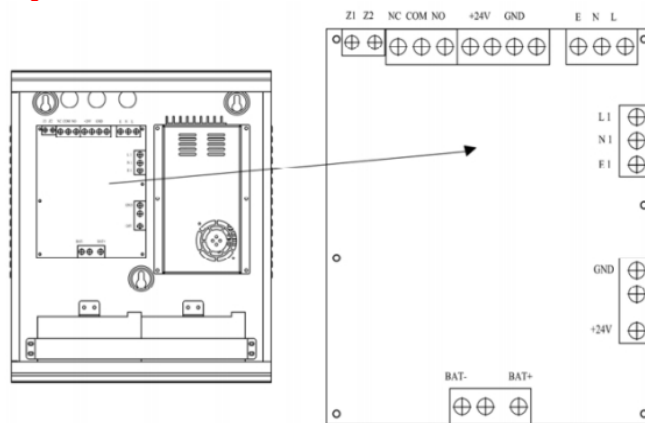


Figure 1: Schematic diagram of external terminals

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).



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