System Event Printer

PT-1S, PT-1P

Overview

The PT-1 series printers are high speed, 9-pin dot matrix type which use standard, continuous tractor feed computer paper. The PT-1 series printers are used to permanently record Life Safety System changes of state. All printed entries contain the date, time, event type and a user defined message for each printed event. The printer is required in proprietary type systems. In local, auxiliary or remote station systems the printer is ancillary and is optional. The printer must be backed up by a UPS in a proprietary system. Printer paper may be fed from the rear or bottom of the printer.

Standard Features

- High speed, bi-directional printing
- Serial (model PT-1S) or parallel (model PT-1P) interface
- Front panel setup
- LED Status indicators
- RS-232/USB, Parallel/USB versions
- Printer self-test mode

Application

The PT-1S (serial/USB interface) is used adding print capability to fire control panels that support serial or USB printer interfaces. The PT-1P (Parallel/USB interface) is typically used when the printer is connected a computer graphical user interface.

Installation

The printer is configurable through simple dip switches to support proper operation with the system. Connecting a serial/USB printer may cause a ground fault on some control panels. If this happens, an IOP3-A isolator module may be installed between the printer and the control panel.

Engineering Specifications

The event and status printer shall be a 9-pin, impact, dot matrix printer with a minimum print speed of 232 characters per second. Print parameters shall be set up with a menu drive program in the printer. The printer shall be capable of USB, serial or parallel communications protocol. The communications speed for RS-232 communications protocol shall be adjustable from 300 to 9600 Baud. The serial or parallel cable shall be supervised. The printer shall list the time, date, type and user defined message for each event printed.

Connection Diagram
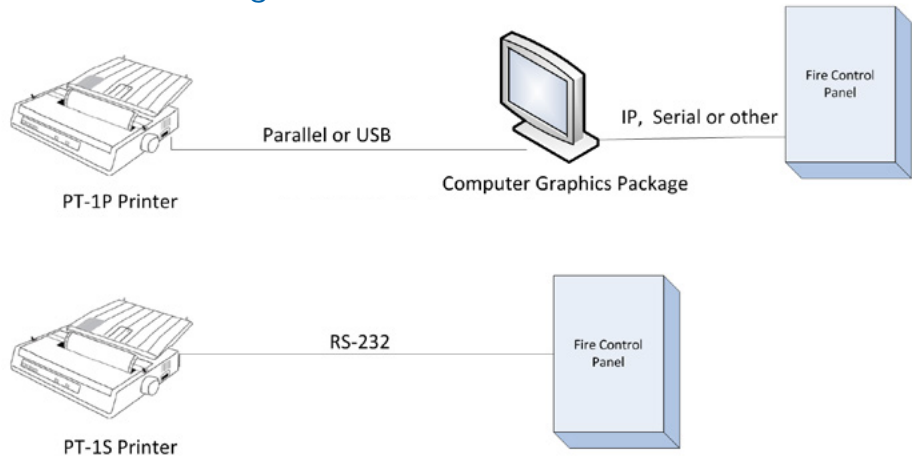
Specifications

Print Speed	232 cps
Voltage	120 Vac versions and 220 to 240 Vac versions
Power rating	48VA
Frequency	50/60 Hz
MTBF	4000 Hrs @ 25% duty cycle
Size	14.65 x 10.83 x 3.15 inches (37.2 x 27.5 x 8.0 cm)
Weight	9.9 lbs (4.5 kg)
Agency Listings	UL, ULC, MEA, CSFM
Operating Environment	Temperature: 32° - 120°F (0° - 49°C). Relative Humidity: 0 to 93% non-condensing

Ordering Information

Model	Description
PT-1S	Serial Printer
PT-1P	Parallel Printer
PT-1S/220	Serial Printer-220/240 Vac
PT-1P/220	Parallel Printer-220/240 Vac

Related Parts Ordering Information	
IOP3A	Isolated I/O port card