EDWARDS

LIFE SAFETY & INCIDENT MANAGEMENT

System Event Printer

PT-1S+

S3424

7300-1657:
0520

Overview

PT-1S+ serial/USB printers are high speed, 24-pin dot matrix printers which use standard, continuous tractor feed computer paper. The PT-1S+ printer is used to permanently record Life Safety System status changes. 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. Continuous and cut forms are fed at the front for quick and easy loading.

Standard Features

- High speed, bi-directional printing
- Front panel setup
- LED Status indicators
- RS-232/USB interfaces
- Printer self-test mode

Application

The PT-1S+ printer adds print capability to fire control units that support serial or USB printer interfaces.

Installation

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

DATA SHEET **E85003-2721**
Issue 1.4

## Engineering Specifications

The event and status printer shall be a 24-pin, impact, dot matrix printer with a minimum print speed of 232 characters per second. Print parameters shall be set up with a menu driven program in the printer. The communications speed for RS-232 communications protocol shall be adjustable from 300 to 9600 Baud. The printer shall list the time, date, type and user defined message for each event printed.

Connection Diagram

USB

RS-232

PT-1S+ Printer
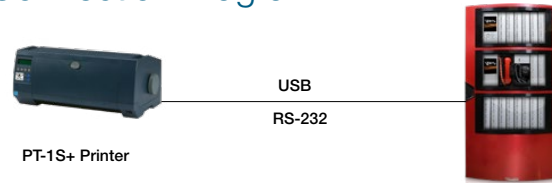
Serial printer installation notes

- Serial printer connections are power-limited and may or may not be supervised, depending on the control panel.

- Locate supervised serial printers in the same room as the equipment to which they connect.

- Locate unsupervised serial printers in the same room and within 20 ft. (6.1 m) of the equipment to which they connect. Enclose wiring in conduit or equivalent protection against mechanical injury.

- Serial connections requires UL Listed and CSA Approved shielded RS-232C cable. Cable length may not exceed 50 ft. (15.24 m).

- Connecting a serial printer may cause a ground fault on some control panels. If this happens, install an IOP3-A isolator module between the printer and the control panel.

- Refer to installation sheet P/N 310282-EN for wiring and installation instructions.

USB

IP, Serial or other

PT-1S+ Printer

FireWorks Incident Management Platform
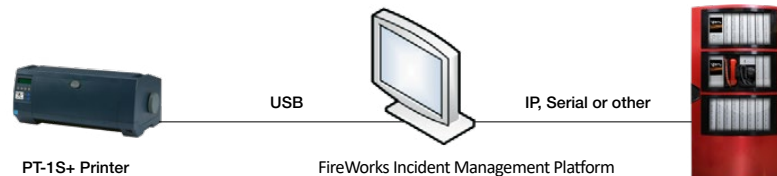
USB printer wiring notes

- Locate USB printers in the same room as the equipment to which they connect. USB printer connections are supervised and power-limited.

- USB connection requires a USB 2.0 (or better) A/B cable, included in box. Cable length may not exceed 19.7 ft (6.0 m).

Specifications

Print Speed	Up to 680 cps	
Voltage	100 - 240 VAC; 50/60 Hz	
Power rating	60W	
24 pins	Mono-chrome serial impact dot matrix, Uni-/bi-directional logic seeking for text and graphics.	
MTBF	422 p/h in Draft mode according IEC10561:1999 (ECMA 132) MTBF: 20.000 hours	
Size	Width: 18.0 in. (45.8 cm), Height: 8 in. (20.2 cm), Depth: 10.5 in. (26.7 cm)	
Weight	17.86 lbs (8.1 kg)	
Agency Listings	UL, ULC	
Operating Environment	Temperature: 50 to 95 Fahrenheit (Temperature Operating: +10 to +35°C.) Relative Humidity: 16 to 73% RH (No condensation)	
Print head	24 pins	

Ordering Information

Model	Description
PT-1S+	System Event Printer 120/240 VAC

Related Parts Ordering Information	
Replacement ribbon cartridge	Tally Dascom, P/N 99003 (purchase locally)
IOP3A	Isolated I/O port card