

### Features

**High resolution, 24-pin, dot matrix bi-directional printer for use with Simplex® model:**

- 4100ES, 4100U, 4100, 4010ES, 4010 and 4007ES Series Fire Alarm Control Panels
- 4190 Series Network Annunciator Products
- Other new and legacy Simplex fire alarm control panels with serial printer support (contact your local Simplex product representative for compatibility)

**Provides hard copy records of:**

- System events with alarm conditions automatically printed **bold**
- TrueAlarm® analog sensor information
- WALKTEST™ system testing
- History files

**Serial RS-232, USB, or parallel communications interface**

**RS-232 communications and AC input are transient protected**

**UL listed to Standard 864**

### Description

Model 4190-9013 is a high resolution 24-pin printer for use with Simplex fire alarm control panels and related systems. It is listed for supplemental fire protective signaling system operation under UL Standard 864.

Transient suppression is included for both RS-232 communications and 120 VAC power. Testing is performed to ensure proper operation with compatible UL listed fire alarm control equipment.

Typical printer operations would include: recording of fire alarm system activity for fire response documentation, documenting non-fire alarm activity such as security monitoring of door openings and WALKTEST system test results, and documenting other related activity (such as AC power failure and restoration) as directed by the connected panel. Additionally, diagnostic information may be printed such as TrueAlarm analog sensor status and service reports for analysis of smoke detection sensitivity (refer to sample printouts on page 2).

Refer to Installation Instructions 579-233 for additional information.



4190-9013 Fire Alarm System Printer

### Specifications

Voltage	120 VAC, 60 Hz	
Idle Current	130 mA @ 120 VAC	
Print Current @ 120 VAC	1.1 A typical, 2.6 A maximum, depending on character type	
Print Power @ 120 VAC	Approximately 42 W per ISO/IEC 10561 letter pattern	
Print Speed (characters per second, cps)	High Speed Draft Mode	440 cps @ 10 cpi
	Draft Mode	330 cps @ 10 cpi
	Letter Quality	110 cps @ 10 cpi
Column Width	80 Columns @ 10 cpi	
Buffer Size	128 kB	
Paper Specifications	Fan Fold	4" to 10" wide (101 to 254 mm)
	Cut Sheet	5-13/16" to 10-1/8" wide (148 to 257 mm)
	Copies	Original and up to 4 copies, carbon-less only
Dimensions	16-5/16" W x 13-13/16" D x 6-5/8" H (414 mm x 350 mm x 168 mm)	
Weight	15.9 lbs (7.2 kg)	
Operating Temperature	32° to 120° F (0° to 49° C)	
Humidity	10 to 85% RH, non-condensing	
Replacement Ribbon	Order as vended item in Job Design, Bushnell Ribbon 837-0100	
System Designation	PRT80S, Supervised PRT80U, Unsupervised	

*Please note that the printer specifications supplied under this model number may vary slightly due to product availability.*

\* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7300-0026:320 for allowable values and/or conditions concerning material presented in this document. It is subject to re-examination, revision, and possible cancellation. This product was not approved by MEA (NYC) as of document revision date. Additional listings may be applicable; contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of SimplexGrinnell LP, Westminster.

## Sample Event Printouts

Alarm Condition:	12:42:44 pm	WED 27 JAN 10 CAFETERIA STORAGE ROOM	
		FIRE MONITOR ZONE	ALARM
Supervisory Service:	12:43:08 pm	WED 27 JAN 10 OFFICE AREA BUILDING 23	
		SPRINKLER MONITOR	ABNORMAL
Trouble Condition:	12:43:41 pm	NURSES STATION EXAMINING ROOM	
		FIRE MONITOR ZONE	DISABLE TROUBLE

## Sample TrueAlarm Status & Service Reports

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 Report 3 : TrueAlarm Status Report 9:25:22 am WED 27 JAN 10

Channel 1 (M1)

Zone Name	Custom Label	Sensitivity	Device Status	Almost Dirty
M1-1	ANALOG PHOTO - CLEAN ROOM	0.5	NORMAL	
M1-2	ANALOG ION - CLEAN ROOM	1.3	NORMAL	
M1-3	ANALOG PHOTO - MAIN LOBBY	2.5	NORMAL	*YES*
M1-4	ANALOG PHOTO - CONFERENCE ROOM 1	2.5	NORMAL	
M1-10	HEAT DETECTOR - GARAGE	135F	NORMAL	
M1-11	ANALOG PHOTO - KITCHEN	3.7	NORMAL	*YES*

Alarm sensitivity in % obscuration

Retains highest value sensed

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 Report 4 : TrueAlarm Service Report 10:05:53 am WED 27 JAN 10

Channel 1 (M1)

Dev Num	Custom Label	Alarm at:	Avg val	Current/ % alarm	Peak/ % alarm	State
1	CLEAN ROOM DEV 1	0.5/82	67	68/ 7%	72/ 33%	NOR
2	CLEAN ROOM ION DET DEV 2	1.3/174	94	97/ 4%	101/ 9%	NOR
3	MAIN LOBBY DEV 3	2.5/185	117	117/ 0%	125/ 12%	NOR
4	CONFERENCE ROOM 1 DEV 4	2.5/161	93	93/ 0%	93/ 0%	NOR
10	GARAGE DEV 10 HEAT DETECTOR	135F/187		63/ 67F	66/ 69F	NOR
11	KITCHEN DEV 11	3.7/216	116	117/ 1%	152/ 36%	NOR

Current status

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