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Data sheet

KELTRON

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90 Series Fire Alarm Printer



Ensures accuracy

Reliable data storage

Flexible configurability

Keltron's 90 Series printers meet all UL fire and security requirements including print speed - 50 messages in 90 seconds. Incorporating every advantage of Keltron's years of experience in advanced printer technology, the 90 Series alarm printers are designed for integration into modern fire alarm systems, which communicate using a standard computer interface.

How the 90 Series works

90 Series printers offer fundamental advantages over typical computer printers. These printers operate directly from the 24VDC power that is generated by the standby power source of the alarm system. Because the printer is independent of AC power, it will continue to function as long as there is power to the alarm panel. These printers have their own internal power supply that permits operation over a wide range of input voltages. Even in the event of brownouts, surges or extremely low power, they will continue to function at UL-required speeds, ensuring that there is no loss of data.

90 Series features

Crisp, clear black or red hardcopy is provided in a compact 40-column format - two 40-column lines are equivalent to one 80-column alarm message. Red printing is triggered via a control command or by message context. The built-in paper take-up reel provides convenient storage of printed records. Records can be reviewed at any time by depressing a switch on the front panel, and paper rewound by flipping the switch in the opposite direction.

- Internally powered time and date stamp
- 24VDC power input compatible with standby power source
- Dipswitch-selectable printer functions
- Standard 8K character buffer
- RS232C or RS422 serial interfaces
- MTBF (mean time before failure) of 1.5 million
- 96 upper and lower case ASCII character set
- 40 columns per line
- Wall mount security cabinets available for this printer in red or gray
- Viewing windows for 12 message line plus printer and paper status LEDs

Keltron develops and manufactures secure, reliable, UL-listed fire and security alarm response management systems and components for the municipal and proprietary life safety markets. Products include radio fire alarm, coded fire alarm and high-line security systems, digital alarm receivers, universally compatible fire alarm control panel networking solutions and a full line of alarm annunciators. For more information, visit www.keltroncorp.com or contact us at 781-894-8710 X 11, or info@keltroncorp.com.

SPECIFICATIONS

DATA/CONTROL INTERFACE (select one)

Serial RS232C or RS422 (optional interface)

Connector	DB25S
Baud rates	110 to 9600, dipswitch selectable
Stop bits, parity, word length	dipswitch selectable
Handshaking	XON/XOFF; RTS/CTS
Current loop	20mA passive opto-isolated

Parallel Centronics compatible (optional interface)

Connector	DB36S
Data rate	6,000 characters/second maximum

PRINT PERFORMANCE DATA

Character set	96 Upper and lower case ASCII characters 256 Characters optional
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Print columns 40

Print buffer 8192 characters

Character size

Width (mm)	1.3
Height (mm)	2.9
Extended height	5.8mm
Dots per line	210

Lines per sec. 2.2 (nominal)

MTBF (million lines) 1.5

Printhead Dot matrix impact

Ribbon Snap in cassette red/black or black

Fonts Normal or tall

Paper feed	Unidirectional (forward) pressure roller Fast paper feed = 9 lines/second
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Paper

thickness	.0027 inches
diameter	3.00 inches
width	3.00 inches

Paper out sensor Optical, interrupter

POWER CONSUMPTION

+24 VDC	+1-/-20% exceeds UL requirements .1A standby / 1A printing
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Optional wall mounted security cabinet

POWER CONNECTION

2 pos. screw terminal barrier strip

Printer can be made available for use with alternative power sources. Consult factory.

ENVIRONMENT

Temperature	0° to + 50° C, operating
Relative Humidity	-20% to 85%, non-condensing

DIMENSIONS (in inches)

	Width	Height	Depth
Printer	8.75	9.50	5.50
Security cabinet			
Rear box	13.00	13.25	4.75
With cover	14.43	14.50	6.00

Shipping weight

Printer	6 lbs
Printer with cabinet	13 lbs

ORDERING INFORMATION

Standard model

90 Series printer, RS232C compatible w/o security cabinet	Order no.	VS4095/5
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Optional models

90 Series printer, RS422 compatible w/o security cabinet	Order no.	VS4095/7
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90 Series printer, Centronics compatible

w/o security cabinet	Order no.	VS4095/5
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Accessories

Internally powered time/date stamp	Order no.	31D1243
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Red wall mount security cabinet	Order no.	VS ENCREC
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Gray wall mount security cabinet	Order no.	VS ENCGRY
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