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KELTRON

Keltron 948 Series Mini Event Printer



Accurate
Reliable
Easy to install
Cost effective

The Keltron 948 Series printers are designed for easy integration into fire, security and industrial alarm systems with 96 zones or less. These exceptionally reliable printers turn an ordinary annunciator into an accurate, indispensable record keeping system. Specified by police and fire departments worldwide as well as for many museum and hospital security systems. Keltron event printers combine rugged reliability and state-of-the-art electronics at an affordable price.

How the 948 Series works

The Keltron 948 Series printers use factory pre-programmed (field programmability option available) messages for each alarm input. This printer provides an accurate account of when an alarm occurred and how long it lasted. Each alarm input can also be pre-programmed to sound an external Sonalert upon detection of an alarm condition and/or activate one of five annunciator outputs. The 948 series can be easily interfaced to most alarm panels that supply dry contact closure, voltage level or RS232C outputs.

948 Series features

The 948 Series printers have performance features that are common to units three times their size and cost. These include a 32-word programmable message plus an exclusive alarm summary function that permits a review of all zones in Alarm or Trouble conditions at a glance. Of vital importance, the printer receives simultaneous signals from multiple zones without input loss.

- Monitors up to 48 alarm contacts or voltage changes
- Time and date stamp
- 24-column per line
- Membrane switch front panel
- Multiple power input options
- Programmable messages up to 32 characters per point
- Standard - 42 lines/min. or high - 102 lines/min. speed models
- MTBF (mean time before failure) of 500,000-700,000 lines
- Available in kit form for OEM assemblies
- Available in 4" deep vertical mount "space saver" configurations
- Optional UL-listed DC powered models
- Optional RS232C port
- Optional 48 input expander (upgrades 48 input models to 96 inputs)
- Optional battery backed clock/calendar w/8K character buffer
- Optional paper take-up

Keltron develops and manufactures universally-compatible, UL listed life safety event management systems for the municipal and proprietary markets. Solutions include Ethernet signaling systems, active network radio systems, distributed multiplex systems, digital communicator/receiver systems, and direct wire systems. This document is not intended for installation or maintenance purposes. All specifications are subject to changes without notice. For more information visit www.keltroncorp.com or contact us at 781-894-8710.

SPECIFICATIONS

INPUTS

MHP996/MMP996	96, dry contact/voltage level
MHP948/MMP948	48, dry contact/voltage level or RS232C

PRINT PERFORMANCE DATA

Columns	24
Printing method	dot matrix impact
Print rate	High speed (MH948/996) 1.7 lines/sec. (102 lines/min.) Standard speed (MM948/996) 0.7 lines/sec. (42 lines/min.)
Character format	5 x 7 dot matrix
Line spacing	3.5 mm (0.14") or 7 characters/inch
Inking	Snap-in ribbon cassette
Ink color	Purple or black
Ribbon life	250,000 characters
Fonts	Normal, tall
MFBF (million lines)	High speed .7, Standard speed .5

Paper

Width (inches)	2.25
Diameter (inches)	1.75
Type	14# wood free
Capacity	typically 4800 character lines/roll
Paper out sensor	Optical, interrupter

DC POWER CONSUMPTION

While printing	
High speed	+5 VDC @ 2.4A average 9 to 40 VDC @ 12W
Standard speed	+5 VDC @ 1.2A average 9 to 40 VDC @ 6 W
While idle	
48 point	+5 VDC @ 250 mA 9 to 40 VDC @ 1.5W
96 point	+5 VDC @ 500mA 9 to 40 VDC @ 3W

Consult factory for additional power information

AC INPUT VOLTAGE

110 VAC / 220 VAC	±10% @ 50 to 440 Hz
Fuses	2/10 A SLO-BLO (US), 1/10 A SLO-BLO

ENVIRONMENT

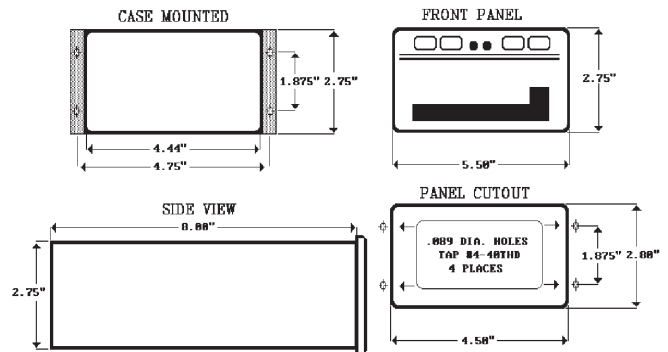
Temperature	0° to + 50° C, operating
Relative Humidity	20% to 85%, non-condensing

SOFTWARE CLOCK/CALENDAR

Accuracy	± 6.0 seconds/day (minimum)
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DIMENSIONS

Panel cut-out	2.80" X 4.50"
Case	2.75" X 4.44 X 8.00"*
Front panel	3.14" X 5.50"
Weight	3.5 lbs.



ORDERING INFORMATION

MODEL	SPEED	#ZONES	POWER OPT.
MMP948	standard	48	+5 VDC
MMP948-1	standard	48	110 VAC
MMP948-2	standard	48	220 VAC
MMP948-3	standard	48	9 to 40 VDC
MHP948	high	48	+5 VDC
MHP948-1	high	48	110 VAC
MHP948-2	high	48	220 VAC
MHP948-3	high	48	9 to 40 VDC
MMP996	standard	96	+5 VDC
MMP996-1	standard	96	110 VAC
MMP996-2	standard	96	220 VAC
MMP996-3	standard	96	9 to 40 VDC
MHP996	high	96	+5 VDC
MHP996-1	high	96	110 VAC
MHP996-2	high	96	220 VAC
MHP996-3	high	96	9 to 40 VDC

OPTIONS

- Paper take up*
- Battery back up for clock/calendar & buffer
- RS232C port - for field programming, redundant hard copy, and access to programmable outputs
- 2nd line 24 character message, prints on alarm only
- 48 input expander (upgrades 48 input models to 96)
- UL listed & CSFM listed for DC models



* Case depth increases to 12" when a paper take up is ordered with a power option other than +5 VDC.

