

DID YOU KNOW?

NO: 199

FEBRUARY 20, 2013

KELTRON PRINTERS

Keltron Corporation

Keltron Corporation designs and manufactures panel mount printers in the USA that fulfill a wide variety of end user requirements. With a proven track record in scientific, medical, and other research-related environments, Keltron printers provide accurate, timely records of temperature, pressure, and other mission critical process parameters.

Keltron printers also provide the often-mandatory hard copy records of critical processes that the FDA and other regulatory agencies demand.

Keltron's corporate offices are located in Waltham, Massachusetts, in the heart of the Massachusetts technology sector.

Printers Overview

24 column format

Serial ASCII data

All Keltron printers will run a self test when voltage is applied to them

Power down controls with the yellow breaker switch to power cycle the printers

Keltron compact printers are interchangeable. As an example, a customer may prefer a thermal over an impact printer. All connections are the same

5 V Keltron Printers Types

Compact Thermal

Compact Impact

Thermal with Take-up Reel



®

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KELTRON PRINTERS (CONTINUED)

Notes

Internal DIP Switch - only No. 5 should be on. (This sets 9600 baud and no parity)

Keltron thermal printers are sensitive to a voltage deficiency

LC Series Compact Printers

The Keltron LC Compact Printer is a panel-mountable, 24-column software-switchable printer. It provides a hard copy record of critical processes and is useful in industrial and commercial applications where small size and low costs are important considerations.

LC Series Benefits

LC Series printers are unusually compact - only 4.8 inches deep - yet they offer a comprehensive list of standard features. Paper is replaced through front panel access without separation of either power or signal connections. Since no connections are made or broken, there is reduced wear on the connectors and paper loading is quick and easy.

LC Series Features

- A full 256 character ASCII set
- Self test on power up
- Choice of character font
- Time and date stamp
- Built-in interval timer - 15 preset interval options
- Battery back up
- Compact size - only 4.88" deep
- Line counter
- Up to 2.5 lines per second print speed
- Serial RS232C interface
- Standard 2K character buffer
- Front access for easy paper replacement while on
- Membrane switch front panels - no protruding hardware

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Keltron Printer Troubleshooting

Will Not Self Test

Check voltage to printer

Check DIP switch

Thermal paper loaded correctly?

If all good, probably the printer is bad

Will Self Test, But Will Not Print From Sterilizer Control Board

Check connection to printer port on control board

Check the connector

Push wires into punch down in connector

PRIMUS has never experienced a control board with a bad printer port

Printout Misses Some Information, For Instance, Cycle Phase Headers/ Lines

This is caused by voltage deficiency when many print heads fire at once

Can adjust power supply up to 5.5 v

Add (or replace) print capacitor, 22000 mfd, 16 vdc polarized capacitor across 5 vdc supply to printer, at the printer end of the cable. This charges to supply voltage and discharges to printer momentarily upon demand

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KELTRON PRINTERS (CONTINUED)

Impact Printer Prints Light

Change ribbon

One ribbon is good for 2 rolls of paper

Changing Paper

The PRIMUS Operator Manual provided with each sterilizer fully describes the procedure for changing paper, including schematics for the three types of Keltron printers.

Did You Know? #139 also describes in detail how to replace paper. Did You Know? #174 explains the instructional label placed on each printer showing how to properly change the paper.

To order the correct paper, refer to the PRIMUS website. The paper part numbers with pictures are included in the Online Store.

Paper width is important to the proper operation of the paper transport and take-up reel.

Paper substitutions are not recommended!!!!

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KELTRON PRINTERS (CONTINUED)

Keltron Thermal with Take-up Reel (Old Style)



TLC 240/5/TU
No Frame
PRIMUS P/N 200401
Only sold as a replacement
without frame

Compact Impact Printer (New Style)



LC 240/5BS1
PRIMUS P/N 400012A

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KELTRON PRINTERS (CONTINUED)

Compact Thermal Printer (New Style)



TLC 240/5S2
PRIMUS P/N 400400A

Paper Types



Impact- PRIMUS P/N 800040
Thermal - PRIMUS P/N 800401



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KELTRON PRINTERS (CONTINUED)

Keltron Impact Printer Ribbon (New Style)



PRIMUS P/N 800042

Keltron Printer Ribbon (EPSON Brand)



PRIMUS P/N 800041



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