Datasheet

KKKELTRON ®

Keltron 95K8300KIT Thermal Printer Retrofit Kit for Keltron DMP703/4 Alarm Receivers

Quiet

Easy-to-Install

Code-Compliant

Overview

Keltron alarm receivers are known for reliable operation and long lasting performance. To meet the requirements of NFPA 72 and UL 864, Keltron alarm receivers include a printer that is capable of printing 50 events in 90 seconds with accentuated event fonts. These impact printers are highly reliable but noisy. At the request of our customers in both busy dispatch centers and muted offices, Keltron developed a quiet, reliable thermal printer that meets codes and requirements and significantly reduces the amount of ambient noise.

Installation

The Keltron thermal printer is available in an easy-to-install kit - Keltron part number 95K8300KIT - for Keltron DMP703/4 alarm receivers. It takes approximately 20 minutes to install. The power and data cable connections match the existing Keltron 10S210 impact printer and the assembly slides into the housing to replace the existing impact printer deck. The upgrade requires installing new firmware chips, a plug-in card, and a new front door over the printer cavity. Connecting the ground strap and removing the existing Keltron 95M2990 printer driver card complete the installation. The paper catch tray is no longer necessary and the Keltron DMP703/4 alarm receiver does not need to be disassembled.

Features

The Keltron thermal printer will print the same number of lines per event as did the original impact printer as set by the programming of the system message database and is compatible with existing system printer control options. Other features include:

- ▰ Displays up to 10 lines of print at any one time
- ▰ Provides an automatic paper take-up system
- ▰ Includes system notification of paper status
- ▰ Receiver automatically resumes printing after paper is loaded and take-up button is pressed
- ▰ Supervised by receiver which notifies the operator of printer issues
- ▰ Includes automatic line feed option

The only noticeable difference between the old and new printouts is accentuated line printing of high priority events in DOUBLE HEIGHT instead of the lines being printed in RED.

Operation

When the automatic line feed option is enabled, the printer advances the paper four lines in one second after the printing is finished, improving visibility. When there are multiple printouts following each other or when printing lists or history, there is no advance until the end. This feature is automatically disabled for Acknowledge printouts to conserve paper. The automatic line feed option is enabled and/or disabled by CPU dipswitch #5 which is continuously read so that a CPU reset is not required after the switch position is changed.

User Controls

There are two operator controls; a paper release lever and a paper take up button. The paper release lever allows the paper to be removed from the mechanism in order to load a new roll of paper.

The paper take up button will turn the take up motor on so that any unwound paper can be rewound after the printout is reviewed.

Indicator LEDs signal power on and paper out conditions. The paper out LED also indicates printer offline e.g. when the paper release lever is activated.

There is a settable option to enable or disable automatic line feeds after printing. This feature may be used to improve the viewing angle of the last lines printed.

Specifications

Thermal line head 32 column printing, 200 DPI (dots per inch)

Font size 9 x 24 standard, 12 x 24 enhanced extended height

Print speed 2.5 inches per second

Uses standard 3" thermal paper rolls, Keltron reorder number 10S234

MCBF 100 million pulses (mean cycles between failures)

Operating temperature: 32 to 104 degrees Fahrenheit

Storage temperature: 0 to 140 degrees Fahrenheit
(remove paper before storing)

Shipping weight: 6 lbs (printer deck only)

Shipping dimensions: 11.5" x 7.0" x 8.5" (printer deck only)

Current draw:

95M3250 card current draw: 25 mA

Printer draw at idle: 75 mA

Maximum current draw while printing: 570 mA

Notes:

▰ The installation of the Keltron 95K8300 thermal printer upgrade kit will not change the system's
24 VDC current draw at idle.

▰ Assuming a 25% print function cycle, Keltron recommends adding 150 mA to the system current draw for the purpose of calculating battery backup requirements. This amount can be adjusted up or down to account for high or low activity systems.

▰ Temperature, battery age, recharge time, charger profile and other factors can also affect standby battery time. Keltron recommends adding a 20% battery ampere hour safety margin.

Keltron model number: 95K8300KIT

Description:

Thermal printer, 3" with journal re-winder, serial interface thermal printer upgrade kit includes new firmware chips, complete 10P108 printer with take up and chassis, 95M3250 plug-in card, new front door assembly, spare roll of thermal paper and new ground strap.

Compatibility

Note: Keltron 95K8300KIT is not compatible with Keltron DMP703/4 systems with full metal printer deck slides, built prior to 1993. To ensure compatibility, please confirm the existing printer deck has **plastic slides** on the sides.

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.

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