Datasheet

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Keltron Configuration Utility for the Keltron RF 7100 Signal Converter

Facilitates Programming

Speeds Installation

Improves Accuracy

Increases Control

As the life safety industry adopts more standards, codes and rules, the software that runs life safety systems increases in complexity. Keltron engineers developed a user-friendly utility that facilitates programming of the Keltron Active Network Radio System.

The Keltron RF 7100-CU is a MS Windows-based utility that enables the system administrator to quickly and easily view and change the current settings of the Keltron RF 7100 signaling converter and download new settings directly into the converter.

Additional benefits of this utility include:

▰ Eliminates the need to know the command set and sequencing to manually edit settings

▰ Provides additional syntax and error checking of settable values, reducing data entry errors

▰ Provides the ability to save settings to a local file for later review or restoral

▰ Enables efficient reload of factory default settings

The Keltron RF 7100-CU configuration utility saves time and money by reducing the labor required to program and deploy a Keltron RF 7100 signal converter. The Keltron RF 7100 signal converter can be configured without a network connection, thus substantially simplifying its replacement. Once reconfigured, it is also possible to connect a replacement Keltron RF 7100 signal converter directly to the Keltron RF7500 radio network receiver. This is particularly effective in an emergency situation such as establishing a temporary monitoring location after a natural disaster.

How it works

Connecting the Keltron RF 7100-CU utility to a Keltron RF 7100 signal converter requires a Windows-based PC that is equipped with either a serial communications port or a USB-to-serial adapter and a serial-to-serial cable terminating in a male 9-pin subminiature D connector (DB9M).

The Keltron RF 7100-CU utility is currently tested with and certified for operation using Windows 2000 and Windows XP operating systems.

Follow these steps to program using the utility:

▰ Select the appropriate PC serial port. The Keltron RF 7100-CU utility runs in both expert and normal installer modes and displays the current connection status which, on startup, displays "disconnected" and then displays "connected", as appropriate, in the status bar at the bottom of the window.

▰ Choose the appropriate menu item to view the current Keltron RF 7100 signal converter settings

▰ You may also load settings from a disk or load the factory default settings

▰ Using the cursor and keyboard, navigate to the displayed settings and edit them as needed. Once the necessary changes have been made, load them in to the Keltron RF 7100.

▰ Edited settings can be saved to a disk. After changing the settings, reboot the Keltron RF 7100 into normal operating mode.

▰ Once the signaling converter is rebooted, the utility is disconnected and will not reconnect unless it remains physically connected. If it is still connected, it will also reboot and reconnect itself. Since this takes more than a minute, there is time to disconnect the serial cable and halt the reboot.

▰ Connection modes:

    ▰ Normal mode:
    Settings that can be edited are the server 1 and server 2 telephone numbers, the network cypher code, the account number, and the user description.

    ▰ Expert mode:
    If the utility is started in "expert" mode, it will perform all of the normal mode functions above. In addition, it can access additional settings, such as server 1 and server 2 IP addresses and port numbers, local IP address, sub net mask and gateway address.

▰ The Keltron PN for the Keltron RF 7100-CU utility is #RF 7100-CU

▰ The name of the utility's executable file is "RF71KConfig.exe"

▰ The Keltron RF 7100-CU configuration utility is only compatible with the Keltron RF 7100 signal converter

Warning:

Use of this utility with equipment other than the Keltron RF 7100 signal converter may result in corrupted or lost data, unreliable operation or damaged equipment. Keltron assumes no responsibility or liability for improper use of the Keltron utility.

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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