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Keltron RF7100 Signal Converter



Provides comprehensive data
Facilitates expansion
Code compliant

A component of the Keltron Active Network Radio System, the Keltron RF 7100 Signal Converter collects radio frequency alarm signals from Keltron Wireless Transceivers and transmits them via the network to the Keltron RF 7500 Radio Network Receiver. It enables multiple radio networks to be located either locally to or remotely from the Keltron radio network receiver and optimizes the system's performance in a variety of environments.

Benefits

- Includes Windows utility for ease of programming and quick installation
- Facilitates expansion
- UL 864 9th Edition listed, NFPA 72-compliant, and CSFM listed for remote, proprietary and central supervising station

Features

- Enables configuration programming using the serial port and the Keltron RF 7100-CU configuration utility
- Communicates with the radio receiver using a network connection with a PSTN line as a backup
- Provides redundancy by communicating automatically with either the primary or secondary radio receiver
- Automatic self test after power up: PC board functionality, basic operation, modem and network communications, RF signal transmission functionality
- LEDs indicate proper operation and fault conditions
- AC powered with automatic integral battery backup
- Requires at least 370 mA during standby and 900 mA while transmitting
- Automatic self-resetting on board fuse
- Provides supervision of AC power, battery and battery charger. Reports faults to provide UL 864 9th edition compliance
- Supervises antenna integrity using a built-in VSWR, antenna supervision module (ASM) and provides a tamper signal if antenna performance is degraded
- Signals tamper condition to the active radio network receiver. Installation includes a UL 497A and a UL497B protector.

Technical specifications

- NEMA 4 weather-tight enclosure: 15" X 13" X 7"
- Power supply: 110V, 40VA plug-in transformer and enclosure
- Ethernet connection: RJ45, PSTN connection: RJ31X
- Battery backup: 12V 7.5 10A HR battery
- Weight: 8.2 lbs
- Operating temperature: 0 to 50°C (32 to 122°F)
- Network connectivity: TCP/IP network
- Radio frequency options:
 - UHF - 400-512 MHz
 - VHF - 150-174 MHz
- Installation includes a coaxial cable surge protector

This version of the Keltron RF 7100 Signal Converter is not intended to be installed in conjunction with a band pass cavity filter, used with the prior version of the Keltron RF 7100.

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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