

Keltron LS NET924 and Keltron LS NET928 Ethernet Alarm Transceiver



- High Performance
- Cost Effective
- Scalable
- Secure
- Code Compliant

The Keltron LS NET924 and Keltron LS NET928 transceiver are state-of-the-art, Ethernet-based, IP-addressable transceivers that enable reliable, cost-effective alarm monitoring for multi-building facilities and municipal environments. A component of the Keltron Life Safety Event Management System, the Keltron LS NET924 and Keltron LS NET928 use both input-monitoring circuitry and secure, supervised Ethernet communication to transmit alarms to a receiving station.

A major advantage with all Keltron solutions, the universally-compatible Keltron LS NET924 and Keltron LS NET928 leverage existing standard network infrastructure and can interface with any fire alarm, life safety, or electronic system that uses relays to report status.

Keltron LS NET924 and Keltron LS NET928 benefits

Performance - provides signaling with advanced error detection and supervision. On-demand event-driven protocol minimizes traffic load on existing networks.

Security - protected against network attacks

Reliability - bilateral supervision ensures end-to-end reliability

Flexibility - compatible with any system that uses relays to report status

Scalability - a system of multiple Keltron LS NET924 and Keltron LS NET928 modules can monitor thousands of contact points

Ease of Integration - leverages existing network infrastructure and facilities, uses standard Ethernet connections and protocols, and utilizes local IT expertise

Keltron LS NET924 and Keltron LS NET928 features

- Uses Ethernet connections over standard networks
- Includes Keltron Bilateral Supervision: end-to-end monitoring of the connection network
- Dedicated application architecture prevents network attacks and hijacking. Configurable password protection, remote access lockdown and firmware security ensure enhanced protection.
- Uses efficient, event-driven protocol on high-speed networks to ensure rapid, low overhead transmission of critical life safety information
- Meets the requirements of NFPA 72 2013 section 26.6.3.1 "Performance-based Technologies"
- UL 864 9th edition listed
- Automatically transmits to back-up IP address
- Enables remote logging for increased system visibility
- Compact unit is easy to install
- Reverse polarity zone option
- External LED trouble indicator
- Enables zones to report as individual accounts for improved flexibility
- Monitor application provides comprehensive view of network communications for efficient troubleshooting
- XML-based communications format enables comprehensive, extensible alarm communications that can be integrated with modern communications networks
- Contains 4 or 8 inputs per module - EOL resistor-supervised
- Unique, 3-resistor monitoring enables observation of up to five conditions per input
- Locally- and remotely-accessible menu system for easy configuration. Programming includes multiple parameters to optimize the facility's specific requirements.
- Includes internal audible fault indicator silence button

Keltron LS NET924 and Keltron LS NET928 Specifications

Communications:

- 10/100Base-T (autosense) 802.3 compliant Ethernet
- Bilateral-supervised protocol via UDP
- Addressing via static IP or DHCP
- Option to set at full or half duplex
- Option to set at 10 or 100 Base-T

Mechanical:

- 14" H x 17" W x 4" D wall-mount enclosure

Inputs:

- Contact: 4 or 8 zones - choice of NO or NC contacts, relays, FACP contact outputs, security points, reverse polarity input zone acceptable voltage range 8-32VDC *

Setup:

- Security options and local and host network settings may be programmed through local serial connection or via network Zone status report, test events and other data are available through programmer's interface.
- Non-volatile memory retains transceiver settings throughout power failure

End-of-line resistor types:

- Single resistor: Keltron network - H (fire applications) complies with UL style A
- Dual resistor: Keltron network - A (2 alarm level applications) complies with UL style A
- 3-resistor: Keltron network D or E for 5 state reporting

Status LEDs:

- Visual indication of a wide range of system status conditions:

- | | |
|------------------|---|
| ▶ Power | ▶ Internal communications send/receive status |
| ▶ Network link | ▶ Correct system activity |
| ▶ Input abnormal | ▶ System Trouble |

Power:

- High-efficiency switch-mode intelligent power supply provides low power draw, low heat dissipation and extended battery life. Monitors and reports AC, battery and charge integrity
- AC 108-132V RMS
- Keltron LS NET924AC or Keltron LS NET928AC: 0.10A

Current Draw at 12VDC:

- NET924AC and NET928AC = .3A

Backup Battery (order separately):

- 12 Ahr battery Keltron part# 40B007 fits in the NETBX R14 enclosure and provides 24 hour backup for all Keltron LS Net models

- Optional 60-hour battery backup is accomplished using two 40B007 batteries in the NETBX R14 enclosure

Environmental:

- Operating temperature: 0 to 50° C
- Storage temperature: 0 to 70° C
- Humidity: 0 to 93% non-condensing

Keltron model numbers:

- 4-contact input: NET924AC and 8-contact input: NET928AC
- 4 zone reverse polarity input option board: NET4RP

Shipping weights (approximate):

- NET924AC or NET928AC Ethernet Alarm Transceiver = 1.6 pounds
- NETBX R14 Enclosure = 17 pounds
- 40B007 Battery = 8.4 pounds

***Note: any fire panel that is monitored by a Keltron transceiver must provide a serial data output or compatible hardware outputs that are active and can be monitored. Review the compatibility charts on the Keltron Web site for more details.**

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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