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# Keltron LS NET922
# Ethernet Alarm Transceiver

**Device-Specific**

**Cost Effective**

**Secure**

**Scalable**

**Code Compliant**

The Keltron LS NET922 transceiver is an Ethernet-based, IP-addressable transceiver that enables highly accurate, cost-effective alarm monitoring for multi-building facilities and municipal environments. A component of the Keltron Life Safety Event Management System, the Keltron LS NET922 uses 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 NET922 interfaces with over 65 models of fire alarm control panels (FACPs) and transmits signals using existing standard network infrastructure.

## Keltron LS NET922 benefits

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

**Accuracy** - provides full serial data capture of device description information as displayed at the fire/security alarm panel and minimizes programming

**Cost effective** - full FACP data capture minimizes cost of initial installation and ongoing maintenance

**Security** - protected against network attacks

**Reliability** - bilateral supervision ensures end-to-end reliability

**Scalability**- a system of multiple Keltron LS NET922 serial data models can monitor thousands of points

**Ease of integration** - leverages existing network infrastructure and facilities, uses standard IP connections and protocols, and utilizes local IT expertise

## Keltron LS NET922 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.
- Provides RS232 serial-input monitoring to enable detailed dispatch by addressable device. Providing exact location speeds response and enables the dispatcher to monitor fire progression through a building
- 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

- External LED trouble indicator
- 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
- Uses efficient, event-driven protocol on high-speed networks to ensure rapid, low overhead transmission of critical life safety information
- Compact unit is easy to install
- 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 and silence button

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## Keltron LS NET922 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:**
Serial: RS232 interfaces with FACP serial outputs*

**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

**Status LEDs:**
Visual indication of a wide range of system status conditions:
- Power
- Network link
- Input abnormal
- Internal communications send/receive status
- Correct system activity
- 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 NET922AC: 0.10A

**Current Draw at 12VDC:**
NET922AC = .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:**
Serial-RS232 input: NET922AC

**Ship weight:**
NET922AC 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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