

## 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.

Part 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 60 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 section 8.5.4 "Other Transmission Technologies"
- ✔ UL 864 9th edition listed
- ✔ 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

15:36:09 15:36:09 15:36:09  
01/18/10 01/18/10 01/18/10  
15:36:09 15:36:09 15:36:09  
05/18/10 05/18/10 05/18/10  
20:36:09 20:36:09 20:36:09  
05/18/10 05/18/10 05/18/10

## 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          | ▣ 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 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

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](http://www.keltroncorp.com) or contact us at 781-894-8710.

