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Data sheet

KELTRON

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Keltron LS Net Ethernet Alarm Transceiver



High Performance
Reliable
Scalable
Flexible

Introducing the Keltron LS Net transceiver, a state-of-the-art, Ethernet-based, IP-addressable transceiver that enables reliable, cost-effective alarm monitoring for multi-building facilities and municipal environments.

Part of the Keltron Life Safety Event Management System, the Keltron LS Net uses both input-monitoring circuitry and secure, supervised Ethernet communication to transmit alarms to a receiving station.

As a major advantage with all Keltron solutions, the universally-compatible Keltron LS Net can interface with a wide range of fire alarm control panels (FACPs) and leverages existing standard network infrastructure.

Keltron LS Net benefits

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

Reliability - bilateral supervision ensure end-to-end reliability

Flexibility - compatible with a wide range of manufacturers' FACPs

Scalability- a system of multiple Keltron LS Net modules can monitor thousands of contact points and serial data models have limitless capacity

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

Keltron LS Net features

- ✔ Uses Ethernet connections over standard networks
- ✔ Includes Keltron Bilateral Supervision: end-to-end monitoring of the connection network
- ✔ Provides both contact and RS232 serial-input transceivers to enable communication of many types of conditions to the host receiver
- ✔ Uses efficient, event-driven protocol on high-speed networks to ensure rapid, low overhead transmission of critical life safety information
- ✔ XML-based communications format enables comprehensive, extensible alarm communications that can be integrated with modern communications networks
- ✔ Designed to meet the requirements of NFPA 72 section 8.5.4 "Other Transmission Technologies"
- ✔ Contact version contains 4 or 8 inputs per module - EOL resistor-supervised
- ✔ Contact version unique, 3-resistor monitoring enables observation of up to five conditions per input
- ✔ 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.
- ✔ Enclosure may include optional tamper switch with condition reported to the host

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Keltron LS Net Specifications

Communications:

10/100Base-T (autosense) 802.3 compliant Ethernet
Bilateral-supervised protocol via UDP
Addressing via static IP or DHCP

Mechanical:

11.275" x 11.275" x 3.5" wall-mount enclosure

Inputs:

Contact: 4 or 8 zones - choice of NO or NC contacts, relays, FACP contact outputs, security points
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

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
- Network link
- Input abnormal
- Internal communications send/receive status
- Zone fault indication
- Correct system activity

Power:

AC 108-132V RMS

Contact model: 0.055A

Serial model: 0.090A

Environmental:

Operating temperature: 0 to 50E C

Storage temperature: 0 to 70E C

Humidity: 0 to 93% non-condensing

Keltron model numbers:

4-contact input: NET804

8-contact input: NET808

Serial-RS232 input: NET802

Ship weight:

TBD

Keltron develops and manufactures secure, reliable, UL-listed fire and security alarm response management systems and components for the municipal and proprietary life safety markets. Products include radio fire alarm, coded fire alarm and high-line security systems, digital alarm receivers, universally compatible fire alarm control panel networking solutions and a full line of alarm annunciators. For more information, visit www.keltroncorp.com or contact us at 781-894-8710 X 26, or info@keltroncorp.com.

