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Datasheet

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KELTRON

Keltron LS NET804/NET808 Ethernet Alarm Transceiver



High Performance

Reliable

Scalable

Flexible

Accurate

Secure

Introducing the Keltron LS NET804/NET808 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 NET804/NET808 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 NET804/NET808 can interface with a wide range of fire alarm control panels (FACPs) and leverages existing standard network infrastructure.

Keltron LS NET804/NET808 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 ensure end-to-end reliability

Flexibility - compatible with a wide range of manufacturers' FACPs

Scalability- a system of multiple Keltron LS NET804/NET808 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 NET804/NET808 features

- ✔ Uses Ethernet connections over standard networks
- ✔ Includes Keltron Bilateral Supervision: end-to-end monitoring of the connection network
- ✔ Closed 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
- ✔ Designed to meet the requirements of NFPA 72 section 8.5.4 "Other Transmission Technologies"
- ✔ Compact unit is easy to install
- ✔ 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.
- ✔ Enclosure may include optional tamper switch with condition reported to the host

Keltron LS NET804/NET808

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Keltron LS NET804/NET808 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

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
- Correct system activity

Power:

AC 108-132V RMS
Keltron LS NET804/NET808: 0.055A

Backup Battery (order separately):

7 AHr battery Keltron part# 40B005 fits in the enclosure
provides 24 hour backup for all Keltron LS Net models

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: NET804
8-contact input: NET808

Ship weight:

8 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 or contact us at 781-894-8710.



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