

IP Central Monitoring Interface

LNI 2000



Overview

The LNI2000 IP interface provides fully supervised alarm monitoring over the internet or LAN/WAN without the expense of telephone lines. This reliable, cost-effective method of central monitoring is compatible with any life safety panel and dialer — regardless of its age, manufacturer, or location using any of the supported formats. LNI2000's in conjunction with LNS receivers at central monitoring stations meet NFPA criteria for single line monitored systems.

Because the interface does not alter or interpret the data from the control panel but simply converted to data, alarm signals are not subjected to VOIP conversions by broadband carriers. The receiver receives the data normally, as though it were transmitted over a dedicated leased line.

If the internet connection is lost — even temporarily — the LNI interface re-routes the connection through the telephone system and reports the loss to Central Monitoring Station personnel. When internet service is restored, the LNI automatically re-establishes the IP connection.

Thanks to built-in failsafe redundancy, the LNI IP interface will automatically identify communications failures and re-route data to an alternate communications path should a break be detected. Exclusive alarm discrimination technology even distinguishes between internet problems and a possible line cut.

The LNI IP Interface is small and simple, and allows any alarm service provider to upgrade customers to internet monitoring without the time and costs associated with changing control panels or added equipment.

Standard Features

- Active communication provides continuous verification of the encrypted communication link from premises to receiver
- Immediate notification of lost security link with receiver
- Can be used with any existing alarm system, regardless of format
- Simple, cost effective upgrade to existing infrastructure
- Full backup in the event of a network failure
- 1-to-8 alarm receiver telephony interconnects with hunt groups
- Remote control of interface relays
- Email notification of off-normal events
- Alarm discrimination: pinpoints location of IP network failures
- Battery backup from panel



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Application

LNI interface is installed between the control panel and the site's Internet Modem/Router. No firewall or network customization required. Both Static and automatic IP configuration (DHCP) are supported. Configuration is accomplished by means of an intuitive browser interface that records the customer ID, customer phone number, and a destination/target IP address.

All other configuration requirements are handled at the server end of the IP monitoring system, which relays the panel data to the central station receiver in its native format. LNI Interfaces can be downloaded with up to eight target IP addresses and updated dynamically.

LNI interfaces support IP monitoring for all standard alarm panels regardless of their age, manufacturer, or location. This makes LNI interfaces and servers an ideal solution for new installations and retrofits alike.

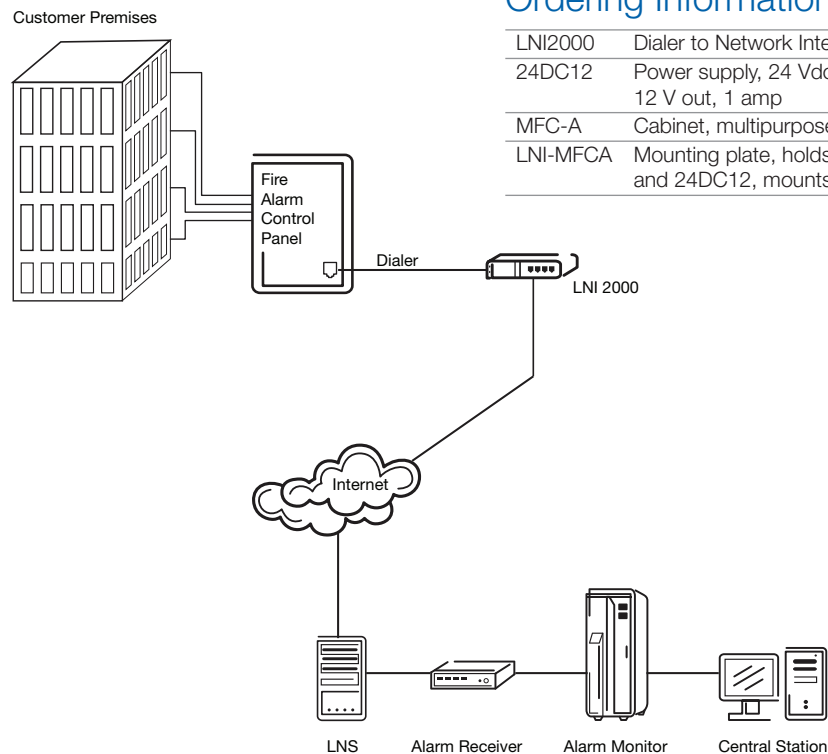
Supported Protocols

Contact ID	SIA-FSK
3+1 Ademco	4+1 Ademco
3+1 Radionics	4+1 Radionics
Silent Knight/Ademco Slow	Silent Knight Fast
3+1 Standard	4+1 Standard
4+2 Standard	4+2 Ademco
Sescoa	Radionics BPSK

Specifications

LNI2000	
Weight	1.1 lbs (0.5 kg)
Dimensions (w/d/h)	4.5" x 4.6" x 0.75" (12 cm x 12 cm x 2 cm)
Voltage	24 Vdc, filtered & regulated
Current	Standby - 106ma Alarm - 150ma
Mounting	Mounts on LNI-MFCA in a MFCA cabinet
Operating environment	32 - 122 °F (0 to 50 ° C)
Relative Humidity	5% to 93% (non-condensing)
Listings	UL 1610, ULC-S559

Configuration



Ordering Information

LNI2000	Dialer to Network Interface
24DC12	Power supply, 24 Vdc in, 12 V out, 1 amp
MFC-A	Cabinet, multipurpose
LNI-MFCA	Mounting plate, holds LNI2000 and 24DC12, mounts to MFC-A