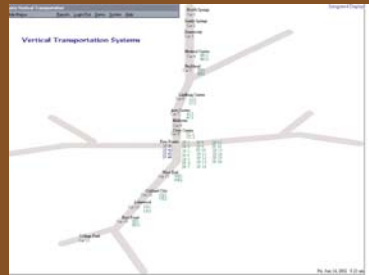


LIFT-NET™ was conceived and designed as a user-friendly front end by which building personnel can interact with elevator systems. LIFT-NET™ provides a logical user interface which is consistent across equipment of different manufacture.



Expanded views



Mapview



Car use statistics



Elaborate fault reporting

Lift-Net™ features

Main screen features

- Instant car status indication whether normal, failed or delayed.
- Position indication of failed cars, with UPS, even under complete power outage.
- Multiple banks, even multiple buildings of different equipment on the same screen. All banks visible from any PC on the network. Telephone and LAN connection available.
- Real-time display of opening, closing and dwell time.
- Full record and playback capability.
- Secure floor indication.

Traffic analysis features

- Establish "Normal" response parameters for your building.
- Monitor for abnormal traffic patterns or excessive waiting times.

Fault analysis features

- Preserve permanent record showing date, time, duration and type of programmed faults, shutdowns, car out of service, etc.
- Allow service personnel to detect intermittent faults before they become big problems.
- Provide full breakdown of faults by car, floor and fault type.

Car use features

- Record car starts, car calls, and door cycles including re-opens.
- Track intermittent door problems.
- Establish preventative maintenance schedules.
- Detect elusive supervisory problems.

Control features

- Each output individually programmable as straight On/Off toggle, momentary contact or seven day time clock controlled.
- Full operator over-ride capability, including automatic reset of over-ride.
- Full password security with different levels of access.
- Establish traffic patterns based on historical traffic activity (AI).

User interface features

- Single click from main screen to activate car or hall call.
- We have the best help system in the elevator industry, topics include using the monitoring system, troubleshooting, and navigating the help system.
- Presentation quality graphics and reports.

Additional features

- Integrated audio/video security cameras.
- Convenient interface to Lift-Net VOICE™.
- Mapview: view entire complex, then zoom into a specific building or unit

The Lift-Net solution

Power requirements:

- 115VAC 60Hz @ 15A Dedicated outlet in machine rooms for computer, scanner and network controller.
- 115VAC 60Hz @8A at each PC monitoring station.

Operating conditions:

- Temperature: 7° - 45° C (45° - 112° F)
- Humidity: 10% - 85% non-condensing

Inputs:

- 2 wire, floating: 5 - 250V AC/DC (specify voltage per job)
- Optical isolation: >3500 V
- Circuit loading: <0.1 ma
- Input impedance: >1.5 Megohm @ 100VDC

Outputs (standard, others are available):

- Relay form "C" contract rated 1/3 HP inductive, 6A resistive, 250 VDC

Lift-Net Twisted Pair Network:

- Maximum rated distance (2-20 gauge Shielded TP): 19 miles
- Maximum number of nodes (combined PC, input/output): 250
- Maximum I/O points per node (input or output): 2040
- Access time to status bit change (typical 6-car bank): <5ms

Telephone link:

- Any Lift-Net™ PC equipped with a standard modem card can act as a gateway allowing access to the elevator monitoring system functions from anywhere in the world.

LAN/WAN:

- Software supports all popular TCP/IP network products. Any LIFT-NET™ PC equipped with a network card can connect to the customer's LAN allowing password controlled access to the elevator system from any node on the customer's LAN, or via the internet

Options include interface to card readers, IR scanners, security systems, etc. Custom applications are encouraged.

Windows™ is a trademark of Microsoft® Corporation
Lift-Net™, Lift-Net Voice™ and TA_2000™ are trademarks of Integrated Display Systems Inc.



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Lift-Net

Let us put you in touch with your elevators!



What Integrated Display Systems can do for you

We specialize in the monitoring and control of elevator systems.

Our advanced Lift-Net™ system adds state-of-the-art security and control features to virtually any elevator system, at a minimum of expense and down time.

Because elevator systems vary widely in complexity, our equipment is designed to be flexible, modular and adaptable. On every installation we work diligently to tailor our design to satisfy the customer's specific goals.

Lift-Net bridges the gap between building personnel and elevator systems

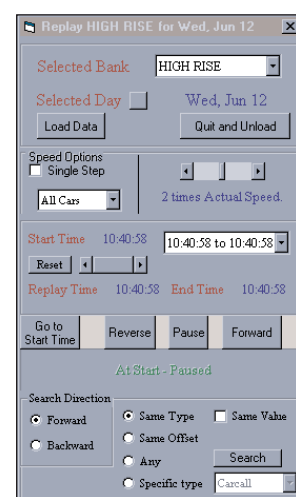
Lift-Net can help you be more efficient and save you money

- Display elevator system status on multiple CRT screens anywhere in the building — security stations, engineering rooms or machine rooms, using standard telephone cable. Provide mouse or time-clock control of security features such as Selected Floor Lock-Outs, Suspicious Person Return, Fireman's Service, Hospital Code Blue Service, VIP Service, UP/Down Peak, and Lobby Recall. Lift-Net™ saves manpower; view elevator operation and verify trouble reports without actually sending personnel.
- Trigger emergency audio and video alarms in security stations to allow immediate response to crisis situations. Lift-Net telephone support lets your consultant and contractor perform services over the telephone, saving time and money.
- Perform statistical analysis on hall response times and traffic patterns. Find the bottle-necks that are slowing system response. Optimize zone patterns for peak performance. Lift-Net provides built in traffic and fault analysis that is always operating; no need to keep paying extra for these services. Lift-Net fault analysis allows you and your contractor to identify and correct intermittent problems in less time.
- Lift-Net gives you the information you need to decide if you are getting your money's worth from your contractor. Lift-Net information allows your consultant to analyze your situation more effectively in less time.
- Log error type, car number, floor position, and system status automatically, when ever a fault occurs. Detect intermittent type failures early, before they become big problems. Revitalize lobby using modern color CRT displays to replace obsolete light bulb-style lobby panels and key switches; no more light bulbs to change or key switches to break. Add new features easily — without running any new wires! Lift-Net creates a comprehensive record when elevators malfunction. Allows your technician to trouble shoot problems even if the car is "Running On Arrival." Lift-Net allows you to respond more quickly to entrapments and provides a permanent record of the fault.



Lift-Net places instant information and control in the hands of security, engineering and maintenance personnel.

A user-friendly report generator produces graphs showing hall call response times, building traffic patterns, error conditions, and other information. Reports may be displayed on the CRT, or printed.



These reports answer general questions like "What was the average hall call waiting time for the entire building last week?" or specific questions such as "What floor position and direction did Car Four have when it shut down last Thursday?"

In this mode, Lift-Net is a valuable diagnostic tool, useful in spotting excessive waiting times, problematic use patterns, and in the early detection of intermittent type car failures.

With REPLAY mode, simply pick a date and time to replay the main screen, input screen, faults, etc. It's like going back in time.

Unlike temporary analyzers which are typically connected after trouble has occurred, the Lift-Net is always collecting data and can be used as both a routine maintenance tool and a trouble-shooting aid.

Lift-Net Voice standard features

Lift-Net Voice Stand Alone	Lift-Net Voice Integrated with Monitoring
n/a	Simply point and click to connect with remotes
n/a	Modular design can be linked to Lift-Net Monitoring
n/a	On screen caller ID
n/a	On screen or printed log of caller location, time-in and call duration
Simple field wiring using a twisted-pair network to minimize material and labor costs	
Connect with public telephone systems for unattended locations	
Excellent performance in noisy machine room environment	
Visual indication of phone off-hook with indicating master station	
Master stations connect with any station on the network	
Battery backup is standard for emergency situations	

Lift-Net Voice™

Indicating master station with LED indicator

- New design LED indicator which identifies the calling station.
- Easy to use standard telephone keypad.
- Improved documentation.
- Wall mounted, desk or flush mount optional.
- Brushed stainless steel finish (muntz finish available).
- Custom enclosures available.
- Two 22 gauge twisted shielded pair wiring required

Surface mount speaker phone

- Call button has indicator to show that help is on the way.
- Stainless steel with welded corners.
- Hidden tamper-proof screws.
- Does not require a cutout.
- 9 1/2 in.H x 5 1/16 in.W x 1 3/8 in.D.
- A.D.A. Compliant.

Also available:

Box style phone

- For mounting in elevator telephone cabinet.
- Simple installation.
- Tamper and vandal resistant.
- 8 3/16 in.H x 4 5/8 in.W x 2 1/16 in.D.

Ceiling mount telephone

- Designed to mount on ceiling inside elevator cab.
- Uses remote push button.
- 7 3/4 in.L x 4 13/16 in.W x 2 1/4 in.D.

Flush mount

- Flat stainless steel plate.
- Available in custom sizes and metal.
- Available in two standard sizes: PSL: 13 1/4 in.H x 10 in.W. PSL: 10 1/2 in.H x 6 1/2 in.W. (Minimum requirement for both: 9 in.H x 5 in.W x 2 in.D.)



The Lift-Net TA_2000™ Portable Traffic Analyzer

Lift-Net TA_2000 Portable Traffic Analyzer offers the following unparalleled features on both temporary and semi-permanent installations:

Exceptional ease of use

- Standard Microsoft Windows Format makes it user-friendly.
- Easy to follow instructions save hours on installation.
- On-screen help & directions walk you through the set-up, configuration and connection.
- Minimal hardware saves time on set-up.

Incomparable technical features

- Graphic reports capture a variety of statistics and can be printed in full color.
- Unlimited data storage.
- Remote dial-up allows access to the data from anywhere.
- Fully programmable status inputs.
- Ability to replay stored data in real-time simulation.
- Fault status logging allows for better trouble-shooting.
- Ability to record data for a variety of time periods.
- Ability to export statistical data to other programs.

Extraordinary user benefits

- Everything is included in the base package:
 - Wheeled Case with Handle Included
 - All Interface Cables
 - Controller Interface
 - Extension Cord and Power Strip
 - Laptop Computer
- Minimal size and weight
- No external hardware devices are required to run the software.
- Two year limited warranty.
- Reports exceed consultants specifications.
- Compatible with a wide variety of control systems.
- Designed by elevator experts for elevator professionals.



Compare Lift-Net to OEM Elevator Monitoring Systems

Lift-Net	OEM Monitoring Systems
Lift-Net is a stand-alone system specifically designed to monitor and control all makes and models of elevators.	Typical OEM monitoring systems are add-on features incorporated into controllers whose primary duty is to run, not monitor, the elevators.
Lift-Net allows different makes of elevators to co-exist on the same network and be viewed on any network monitoring station.	Most OEM systems allow only one manufacturer's equipment to be monitored.
Lift-Net allows multiple banks of elevators, even multiple buildings to be monitored on the same network monitoring station.	OEM systems usually need one monitor per bank of elevators; at best they require one separate monitor per building.
Lift-Net presents a consistent user-interface to the operating personnel, regardless of the type of elevators being monitored.	If there are seven different makes of elevators being monitored, operating personnel must learn to work seven different monitoring systems.
Lift-Net provides a common set of fault, traffic and operating data, measured the same way on all monitored elevators.	Each manufacturer measures fault, traffic and operating parameters in a different way. It is often difficult to compare one system to another.
Lift-Net supports most local area networks	N/A
MAPVIEW	N/A