



vertical express

I-CON[®] Controller

Higher Standards. Serious Technology.

www.verticalexpress.com



(866) 448-3789

expert service • express delivery

The Smart Choice

Performance and Reliability

When it comes to upgrading hydraulic elevator controllers, Vertical Express's I-CON is the controller of choice. Every I-CON control system is manufactured to meet passenger safety guidelines, fire safety standards and ADA requirements, as well as Vertical Express's own rigorous standards for quality, performance and reliability. This unique, microprocessor-based control system has been developed by the industry's leading research and development team. It has been designed to deliver fast, accurate diagnostics and refined adjustments, meeting the specific demands and unique traffic patterns of any building.

Superior Products, Superior Service

At Vertical Express, our standards are so stringent that no one comes close to providing more reliable and durable end products. The result? Peace of mind that comes from knowing we're completely committed to providing you with superior products, along with superior service that is second to none.

Technology and Diagnostic Tools

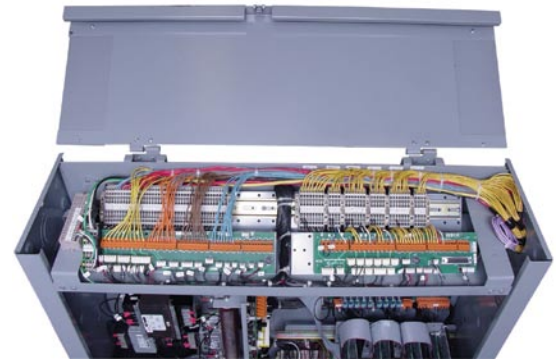
The microprocessor-based system utilized in the I-CON offers better diagnostic capabilities and easier troubleshooting than other control systems. An on-board owner's service tool provides all the diagnostic equipment required for adjusting, maintaining and trouble-shooting the system.

Planning for Your Future

The I-CON features flash technology, which allows future upgrades or performance-enhancing features to be added by simply installing new software instead of replacing costly components or entire systems. When you're ready for a change, the I-CON will be ready to change with you.

Flexibility and Performance.

Whether you are installing or modernizing, the smart choice is the flexible design of the I-CON control



Overhead View

system. It is compatible with existing door operators, power units, signal fixtures and other major components. If you are upgrading only the controller or replacing the entire elevator system, the I-CON offers an economical solution. And with improved, more efficient installation techniques, both downtime and inconvenience are minimized.

The I-CON control system will improve the performance of any brand of hydraulic elevator by increasing reliability and making smarter traffic-handling decisions.

Submersible Application



Dry Application



Floor Survey

For Vertical Express Personnel Use Only

Once complete fax both sides to (901) 261-1807. Be sure to include all surveys.

Distributor Name: _____ Date: _____ By: _____

Job Name: _____ Job Number: _____

PO Number: _____ Tel: _____

To place a direct order, call (866) 448-3789

Data Required:

| Level | Floor Markings | F | R | Floor Height | | Level | Floor Marking |
|---------------------|----------------|--------------------------|--------------------------|--------------|---|----------------------|----------------------|
| | | | | | Main Fire Recall Floor: | <input type="text"/> | <input type="text"/> |
| 10 | _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | Alternate Fire Recall Floor: | <input type="text"/> | <input type="text"/> |
| 9 | _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | Top Floor to Overhead: _____ | | |
| 8 | _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | TOTAL TRAVEL: _____ | | |
| 7 | _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | Pit Depth: _____ | | |
| 6 | _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | Rail Size: | | |
| 5 | _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | <input type="checkbox"/> 8 lbs. <input type="checkbox"/> 15 lbs. <input type="checkbox"/> 22.5 lbs. | | |
| 4 | _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | <input type="checkbox"/> 30 lbs. <input type="checkbox"/> Omega | | |
| 3 | _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | Stile Size: | | |
| 2 | _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | <input type="checkbox"/> Standard (up to 8") | | |
| 1 | _____ | <input type="checkbox"/> | <input type="checkbox"/> | _____ | <input type="checkbox"/> Over 8" Stile (provide size) | | |
| | | | | | Final Limit Switches Existing: | | |
| | | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| Notes: _____ | | | | | | | |
| _____ | | | | | | | |
| _____ | | | | | | | |
| _____ | | | | | | | |
| _____ | | | | | | | |
| _____ | | | | | | | |

I-CON Oilraulic Controller

Required Data:

General:

Car Speed: Up _____ Down _____
 Capacity: _____
 Empty Car Weight: _____
 Stops: _____
 Openings: Front _____ Rear _____

Door Operator:

Door Equipment:
 Manufacturer: _____
 Model: _____

Operator Voltage:

110 VAC 230V - AC or DC
 Other: _____

Door Type:

CO SS 2S 2SCO

Door Protection:

Photo Eye Safety Edge
 Door Detector Type: _____

Freight Doors:

Manual Power
 Retiring Cam Type: _____

Controller:

Main Line Voltage: _____ VAC/3 Phase
 Operation:

Simplex Duplex
 Group Operation - Quantity: _____

National Code Required: ANSI A17.1 B44

Year: 1998 2000 2004

Fire Service Code (if different): _____

Cabinet Type: NEMA 1 (Standard) NEMA 4

Starter:

Reuse Motor Starter Contactor

Solid State Starter:

6-12 lead 3-9 lead

Power Unit:

Manufacturer: _____

Motor Data: Valve Coil: _____ (voltage)

HP: _____ Voltage: _____

Amps: _____ Phase: _____

Type:

Dry Submersible

Fixtures:

LED _____ Incandescent _____

| Components | Voltage Requirements | | | Position Indicator Requirements | | | | Floors |
|--------------------------|----------------------|--------|---------|---------------------------------|--------|------------|----------|--------|
| | 24 VDC | 48 VDC | 110 VAC | Dot Matrix | Binary | Line/Floor | Microcom | |
| Car Call Lamps | | | | | | | | |
| Car Traveling Lantern | | | | | | | | |
| Hall Call Lamps | | | | | | | | |
| Hall Lanterns | | | | | | | | |
| Car Position Indicator | | | | | | | | |
| Lobby Jewels | | | | | | | | |
| Hall Position Indicators | | | | | | | | |

Standard Controller Features:

- 120 VAC Valve Coils
- 24 VDC Fixtures
- Different Door Open Times
- Door Standing Time Saver
- Emergency Stop Switch
- ETL Label
- Floor Encoding (CA and Canada)
- Independent Service
- Low Oil Protection
- On Board Diagnostics
- Simplex Operation

Optional Controller Features:

- Attendant Operation
- Auto Fan Light Shutdown
- Auto Photo Eye Switch
- Auxiliary Car Station
- Battery Lowering Kit
- Car Call Lockout - Floors: _____
- Car Homing / Shutdown Switch
- Car to Lobby Feature
- Car Traveling Lanterns
- Card Reader Security
- Close Landing (2" to 24")
- Code Blue @ Floors: _____
- Distress Operation
- Door Hold Open
- Emergency Power (standard)
- Emergency Power - Type: _____
- Flashing Emergency Sign
- Hall Independent
- Hall Lanterns
- Hoistway Access
- Hospital Emergency Jewel
- Hospital Emergency Service
- IMS
- Incon Riser - Car #: _____
- Inspection Switch
- Intergroup Emergency Power
- Jewel Package
- Key Photo Eye Switch
- Load Weighing
- Lobby Panel Outputs
- Massachusetts Medical
- Microcom Interface
- Nudging
- Owners Manuals
- Resynch Operation
- Reverse Phase Relay (Motor Starter Only)
- Secondary Fire Switch (2 pos)
- Seismic Operation - Zone: _____
- Tandem Power Unit
- Tenant Security - Type: _____
- Viscosity Control
- Voice Annunciator Outputs
- Wiring Diagrams

Vertical Express

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