When determining what requires protection from moisture, dust and corrosion, make sure all parts of the elevator are covered.

Whether it’s a passenger or freight, there are many areas of the elevator that require moisture, dust and corrosion protection.

CJA offers the following for your moisture, dust and corrosion protection needs.

**Machine Room**
- Elevator Control Systems - *For Any Speed, Type or Elevator Application*
- Elevator Motors
- Communication Stations
- Machine Room Lighting
- Brake Limit Switches
  *Manual Reset*

**Top and Bottom of Hoistway**
- Final, Normal & Slow Down Switches
- Access Over Travel Limit Switches

**Inside Elevator**
- Main & Auxiliary Car Stations
  *For both Passenger and Freight Applications*
- Car Position Indicators - *Digital/Multilight*
- Traveling Lanterns - *Standard/Vandal Proof*
  - Security Systems
  - Communication Stations
  - Security Cameras
  - Cab Lighting

**Elevator Pit/Bottom of Hoistway**
- Final, Normal & Slow Down Switches
- Pit Switches
- Pit Worklight and GFCI Receptacle

**Hoistway Equipment**
- Car Top Inspection Station
- Accu-Track Selector System
- Car Bottom Worklight & Receptacle
  - Retiring Cam
  - Cab Ventilation Fan
  - Door Interlocks

**Elevator Entrance/Hallway**
- Door Interlocks
- Hall Stations
- Digital Position Indicators
  - Hall Lanterns
- Access Switch Stations
  - Security Systems
  - Security Cameras

If you don’t see what you need listed here please call us at 800-252-1910!
Buildings all over the world need elevator equipment designed to prevent moisture, corrosion and dust from destroying them.

CJA equipment can be found on elevators everywhere, from the largest cities in the world, to the smallest towns in the USA.

Some buildings, locations and industries request our equipment because of its dependability and ease of installation.

CJA equipment is used almost exclusively in many industries. The following are just a few of them.

- Power Generating Plants
- Paper Processing Facilities
- Housing Authorities
- Transit Authorities
- Sugar Mills
- Parking Garages
- Factories
- Passenger & Freight Elevators
- Exposed Hoistways & Elevators
- Tower Lifts
- Breweries
- Universities
- Shipboard Elevators
- Baseball Ballparks

Niagara Falls Access Project
Project Scope: Fixtures, Switches

Transit: MBTA, SEPTA, MARTA, BART
Project Scope: Fixtures, Switches, Selector Systems

Midwest Generation
Power Generating Plants
Project Scope: Fixtures, Selector

Safeco Field - Baseball Parks
Project Scope: Fixtures

Breweries - Anheuser Busch
Project Scope: Fixtures, Switches, Interlocks, Selector

Parking Garages
Project Scope: Fixtures, Controllers, Selector, Switches

Any Elevator within 5 Miles from any ocean; Condos etc.
Project Scope: Everything Possible

Passenger Elevator
Milwaukee Art Museum
Project Scope: Fixtures, Switches

Freight Elevator
Georgia Aquarium
Project Scope: Fixtures, Switches
Okay we’ll say it! The NEMA 4X - 316 Fixture Line was developed to combat the transit urinators of America!

We figured that there were two options when dealing with this problem. The first involved installing urinals in the elevator and the second was manufacturing our already great NEMA 4X Fixtures with Type 316 Stainless Pushbuttons, Enclosures and Faceplates.

In addition to being specified for every major transit system in North America, the NEMA 4X - 316 Fixture line by C.J. Anderson is also ideal for coastal environments where elevators are located within five miles from any body of salt water.

Salt in the air will corrode even type 304 stainless steel if it is not cleaned regularly.

Features
- Seamless enclosure construction - Type 316
- 11 gauge stainless steel covers plates brush finish Type 316
- Stainless steel buttons - 316
- Tamperproof screws - 316
- Neoprene gaskets

Locations
Locations where NEMA 4X, Type 316 is highly recommended include:
- The California Coast
- Gulf Coast
- East Coast
- Florida
- Shipboard Elevators
- Exposed Elevators
Since we’re the experts when it comes to water and explosion proof elevator equipment, we figured we’d need to know quite a bit about how our equipment is affected by water and other corrosive gases and materials. The bottom line is that stainless is not all the same.

Both photographs show stainless steel from the 300 Series which has more chromium in it than the 400 Series does. Both metal samples were exposed to the elements five miles from the southern coast of South Carolina for an extended period of time.

Keep in mind how long this piece was exposed to the environment, over 40 years. Note that in extremely corrosive environments your equipment may perform better or worse.

The standard for our NEMA 4X Fixture Line, Type 304 Provides excellent protection against corrosion.

This piece was also exposed to the environment for 40 years.

The standard for our Coastal and Transit Series Fixtures, Type 316 provides the ultimate in corrosion control. Because of its chemical make up it will outlast 304 and provide the most protection in areas where corrosion is a problem.

**FAST FACTS**

**Whether it’s Type 304 or 316 Stainless Steel, it’s happiest when kept clean with a soft damp cloth and a mild soapy solution.**

Stainless steel has a unique feature: It is self healing. Due to the alloying elements in the stainless steel, a thin transparent “passive layer” is formed on the surface. This is one of the reasons why we apply a brush finish to all fixtures.

Even if the stainless steel surface is scratched or damaged, this passive layer, which is only a few atoms thick, instantaneously reforms under the influence of the oxygen in the air. This explains why stainless steel does not require any coating or corrosion protection to remain bright and shiny after decades of use.
The major distinction between NEMA 4 and NEMA 4X is in the enclosure. The NEMA 4X enclosure is manufactured of type 304 stainless steel to protect against corrosive agents. The NEMA 4X Fixture line meets NEMA 4 & 12 water & dust resistant requirements as well. The face plates and buttons are stainless steel and of the same vandal proof construction. NEMA 4X is recommended wherever corrosion is a serious problem, such as salt water environments.

Custom engraving is available, including arrows, words, pictograph, logos and instructions.

This heavy duty construction coupled with a button designed to absorb abuse also makes these fixtures the most vandal proof on the market.

**Features**
- Seamless enclosure construction
- 11 gauge stainless steel covers plates
- #4 Brush Finish
- Stainless steel buttons
- Tamperproof screws
- Neoprene gaskets
- Custom engraving
- Recessed braille tags
- Mounting means external to equipment cavity
- Vandal proof construction

**Locations**
Locations where NEMA 4X is highly recommended include:
- The California Coast
- Gulf Coast
- East Coast
- Florida
- Shipboard Elevators
- Exposed Elevators

**Typical Applications**
- Breweries
- Pharmaceutical Plants
- Factories
- Meat Processing Plants
- Locations that have high vandalism
- Tower Elevators
- Sidewalk Lifts
- Dusty/Dirt Environments
- Housing Authorities
- Transit Authorities
- Parking Garages

Project: Niagara Falls

CJA Fixtures manufactured for indoor or outdoor use to provide a degree of protection against corrosion, windblown dust, rain, splashing water, and to be undamaged by the formation of ice on the enclosure. They are not intended to provide protection against conditions such as internal condensation or icing. However, we can provide heating elements and drains to prevent both from occurring.
Solid Construction Means a Longer Lasting Product

FAST FACTS: LESS THAN ONE PERCENT
Actually, more like .875% of our annual sales account for replacement fixture parts sales. What this means is that CJA NEMA 4X, 4/12 Fixtures will last a long time. Ask ANY other fixture company how much they sell in replacement parts and see if they share that information with you? I betcha nickel (a quote from my Grandma) that it’s a heck of a lot more than 1 percent!
We Even Have Fixtures In Aquariums!

**Features**
- Seamless enclosure construction
- 11 gauge stainless steel cover plates
- #4 Brush Finish
- Stainless steel buttons
- Tamperproof screws
- Neoprene gaskets
- Custom engraving
- Recessed braille tags
- Mounting means external to equipment cavity
- Vandal proof construction

**Typical Applications**
- Breweries
- Pharmaceutical Plants
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- Tower Elevators
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- Parking Garages

**Locations**
Locations where NEMA 4X is highly recommended include:
- The California Coast
- Gulf Coast
- East Coast
- Florida
- Shipboard Elevators
- Exposed Elevators

Need a fixture quote? Call us today at 1-800-252-1910, go online, www.cjanderson.com or fill out the form in the back of this catalog and fax to 708-867-5467!
A La Carte or Custom, It’s Up To You!

- **Position Indicators**
  - Digital or Multilight
- **Communication Options**
  - Intercom System
- **Recessed Stainless Steel Braille Tags**
  - Prevents Prying them off panel
- **Complete Customization with layout, features, etc.**
- **Custom Engraving & Color Filling**
- **Lockable Service Cabinets**
  - Built with features that you request
- **Key Switches For Standard Elevator Features or Floor Lockout**
- **ADA Telephones**
- **Emergency Lighting**
Grab your favorite doodling device and your elevator field pocket book and go to town!

Custom Fixtures
We can do almost anything when it comes to signal fixtures. If you’re an architect or consultant and want something special and it needs to be water or corrosion resistant then you’ve come to the right place.

If you’re contemplating a custom design and want pricing, simply make a general sketch of the fixture you’re looking for. This can be on a napkin, standard sheet of paper or on large paper format. Once you’ve got the sketch completed fax it to 708-867-5467, attention Fixture Team.

After we review your design we’ll fax you a quotation. If the project is a go, we will create a set of drawings for approval by you. Once the final design is completed and approved we will begin manufacturing.

Our manufacturing capabilities allow us total control. CNC Milling Machines, Engravers, Plasma Cutters and Waterjet Machines allow us to take your design concept and turn it into reality. You tell us what you want and we’ll make it.

SEND US YOUR DESIGN

NEMA 4X & 4/12
Pedestal Hall Call Station
with FEOK1 Phase I Switch

ITEM: CJA-EFPN - Elevator Field Notebook - FREE! Order Yours Today!
Custom Is Our Standard

Skinny car stations, custom enclosure and faceplate sizes, you name it we can do it. Our VX MPB contact block has some great features including it’s compact size and voltage rating 6-240 VAC or DC.

Pictured above: The famous VX-I & VX Stainless Steel, NEMA 4/4X & 12 Vandal Proof pushbuttons with retaining clips.

Pictured above: MPB Contact Block with Lamp and Pushbutton Actuator, very compact, space saving, multi-voltage design, allows a 1.75” button center distance!
Perfect for Condos, Pool Side Elevators and Transit Stations

NEMA 4X Extended ADA Hall Stations are intended to drop existing hall buttons down to acceptable ADA (Americans with Disabilities Act) height requirements while covering up your previous hall station cutout. These models are water, dust and corrosion resistant.

While our NEMA 4X Model comes in a variety of configurations, the size can be changed to meet your requirements. Just call us with your size requirements.

Each stainless steel pushbutton rests on the coverplate, which absorbs any excessive force. Each also has a mechanical contact block with LED illumination. Each contact block has two normally opened contacts. Sealed with gasketing for your moisture protection needs, this fixture is ideal for any application.

CJA Standard ADA Hall Stations are as follows: 23.5” Tall x 6.5” Wide and extend .875” off of the wall. Other custom sizes are available depending on your application. Please call for additional information.
The old hall station was installed before the ADA (Americans with Disabilities Act) was passed. For a quick and easy solution to new ADA hall pushbutton station requirements, order an extended ADA Hall station from CJA.

Before - Old Hall Station To High From Finished Floor

After - CJA Extended NEMA 4X Hall station

By removing the existing hall station and using the old cutout in the wall as a cavity for the backing of the fire service or access key switch, you can reuse your wiring and mount a new ADA station quickly and easily.
Industrial that doesn’t “LOOK” the part!

Features
- Seamless enclosure construction
- 11 gauge stainless steel covers plates
- #4 Brush Finish
- Stainless steel buttons
- Tamperproof screws
- Neoprene gaskets
- Custom engraving
- Recessed braille tags
- Mounting means external to equipment cavity
- Vandal proof construction

Typical Applications
- Breweries
- Pharmaceutical Plants
- Factories
- Meat Processing Plants
- Locations that have high vandalism
- Tower Elevators
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- Dusty/Dirty Environments
- Housing Authorities
- Transit Authorities
- Parking Garages

Locations
Locations where NEMA 4X is highly recommended include:
- The California Coast
- Gulf Coast
- East Coast
- Florida
- Shipboard Elevators
- Exposed Elevators

Need a fixture quote? Call us today at 1-800-252-1910, go online, www.cjanderson.com or fill out the form in the back of this catalog and fax to 708-867-5467!
A La Carte or Custom, It's Up To You!

Fire Service For 1996, 2000, 2004, 2009 or for your area FEOK1, 2642, 3502, SC1000 Key Switches

Position Indicators Digital or Multilight

Communication Options Intercom System

Recessed Stainless Steel Braille Tags Prevents Prying them off panel

Complete Customization with layout, features, etc.

Custom Engraving & Color Filling

Lockable Service Cabinets Built with features that you request

Key Switches For Standard Elevator Features or Floor Lockout

ADA Telephones

Emergency Lighting

Order Toll-Free: 1 800 252 1910 • www.cjanderson.com • Fax: 1 708 867 5467
Hall fixtures are made for a specific application from a single button terminal station to a multi-button call/send operation. Station size, number of buttons, lenses and key switches are not a restraint.

NEMA 4X, 4/12 stations include stainless steel cover plates, enclosures and buttons. Custom engraving is available, including arrows, words, pictograph, logos and instructions.

These fixtures are manufactured for indoor or outdoor use to provide a degree of protection against corrosion, windblown dust, rain, splashing water, and to be undamaged by the formation of ice on the enclosure. They are not intended to provide protection against conditions such as internal condensation or icing. However we can provide heating elements and drains to prevent both from occurring.
Terminal Hall Stations

Terminal Station
Used on elevators that have full automatic operation or selective collective. The hall call pushbutton will illuminate until the elevator has stopped at the floor.

MODELS AVAILABLE
FH3101 Call Button Only
FH3111 w/Fire Service Key Sw. (specify key switch number)
FH3112 w/Access Key Switch
FH3113 w/Fire Serv. & Access
FH3114 w/Door Open & Door Close
FH3115 w/Door Open & Close & Fire Service
FH3116 w/Door Open & Close & Access
FH3117 w/Door Open & Close, FS & Access
FH3118 w/Door Open, Close, Stop & Fire Sw.
FH3119 w/Door Open, Close, Stop & Access
FH3120 w/Door Open, Close, Stop, Fire, Acc.

Terminal Station w/In Use Lens
Used on elevators that have single automatic operation, meaning that once a call has been placed, the elevator will not pick up a passenger until the person who is inside the elevator has arrived at his floor. The In-Use indicator will illuminate until the elevator is not moving anymore.

MODELS AVAILABLE
FH3102 Call Button & In Use Lens
FH3121 w/Fire Service Key Switch (specify key switch number)
FH3122 w/Access Key Switch
FH3123 w/Fire Serv. & Access Key Sw.
FH3124 w/Door Open & Door Close
FH3125 w/Door Open & Close & Fire Service
FH3126 w/Door Open & Close & Access
FH3127 w/Door Open & Close, FS & Access
FH3128 w/Door Open, Close, Stop & Fire Sw.
FH3129 w/Door Open, Close, Stop & Access
FH3130 w/Door Open, Close, Stop, Fire, Acc.
Each station includes Call Button and items listed.

Note that we will send you a drawing of your fixture for approval before we manufacture it.

Terminal Hall Stations with Digital Position Indicators
High-tech digital position indicators can be added. Our 3 wire serial link position indicators make wiring a breeze. Elevators are less likely to be vandalized when people can actually see where the elevator is. This upgrade will offer your client the look and feel of a new elevator without the cost of upgrading the entire elevator system.

MODELS AVAILABLE
FH3103 Call Button & Digital P.I.
FH3131 w/Fire Service Key Sw. PHI (specify key switch number)
FH3132 w/Access Key Switch
FH3133 w/Fire Serv. & Access Key Sw.
FH3134 w/Door Open & Door Close
FH3135 w/Door Open & Close & Fire Service
FH3136 w/Door Open & Close & Access
FH3137 w/Door Open & Close, FS & Access
FH3138 w/Door Open, Close, Stop & Fire Sw.
FH3139 w/Door Open, Close, Stop & Access
FH3140 w/Door Open, Close, Stop, Fire, Acc.
Each station includes Call Button and items listed.

Terminal Hall Stations
Pictured Above: Flush Mount, Custom Hall Station with Medical Emergency Switch

Pictured Above: Flush Mount: FH3111
Hall fixtures are made for a specific application from a single button terminal station to a multi-button call/send operation. Station size, number of buttons, lenses and key switches are not a restraint.

NEMA 4X, 4/12 stations include stainless steel cover plates, enclosures and buttons. Custom engraving is available, including arrows, words, pictograph, logos and instructions.

These fixtures are manufactured for indoor or outdoor use to provide a degree of protection against corrosion, windblown dust, rain, splashing water, and to be undamaged by the formation of ice on the enclosure. They are not intended to provide protection against conditions such as internal condensation or icing. However we can provide heating elements and drains to prevent both from occurring.
Intermediate Hall Stations

Found on typical passenger elevators at the middle floors. Keep in mind that we offer many different sizes and options when it comes to manufacturing. The models and photos shown on this page are simply our attempt to provide some idea of our standard product.

MODELS AVAILABLE
FH3104  Up Button & Down Button
FH3141  w/Fire Service Key Sw. : PHI
FH3142  w/Access Key Switch: 700M
FH3143  w/Fire Serv. & Access Key Sw.
FH3144  w/Door Open & Door Close
FH3145  w/Door Open & Close & Fire Service
FH3146  w/Door Open & Close & Access
FH3147  w/Door Open & Close, FS & Access
FH3148  w/Door Open, Close, Stop & Fire Sw.
FH3149  w/Door Open, Close, Stop & Access
FH3150  w/Door Open, Close, Stop, Fire, Acc..
Each station includes Call Button and items listed.

Intermediate Hall Stations with Digital Position Indicators
If you’ve got a moisture, dust or corrosion problem and would like to add high-tech digital position indicators, now is the perfect time to do so. Our 3 wire serial link position indicators make wiring a breeze. Elevators are less likely to be vandalized when people can actually see where the elevator is.

MODELS AVAILABLE
FH3106 Up & Down Button & Digital P.I.
FH3161  w/Fire Service Key Sw. 702H: PHI
FH3162  w/Access Key Switch: 700M
FH3163  w/Fire Serv. & Access Key Sw.
FH3164  w/Door Open & Door Close
FH3165  w/Door Open & Close & Fire Service
FH3166  w/Door Open & Close & Access
FH3167  w/Door Open & Close, FS & Access
FH3168  w/Door Open, Close, Stop & Fire Sw.
FH3169  w/Door Open, Close, Stop & Access
FH3170  w/Door Open, Close, Stop, Fire, Acc.
Each station includes Call Button and items listed.

Power Freight Door Applications
Ideal for any freight elevator with power operated doors. Heavy duty stainless steel pushbuttons and mechanical contact blocks will provide dependable service.

These fixtures interface with any new or existing power operated freight door. Our stackable contact block allows the addition of a variety of contact configurations at any time.

MODELS AVAILABLE
With Call Button - Terminal Floors
FH3114  w/Door Open & Door Close
FH3115  w/Door Open & Close & Fire Service
FH3116  w/Door Open & Close & Access
FH3117  w/Door Open & Close, FS & Access
FH3118  w/Door Open, Close, Stop & Fire Sw.

With Up,Down Button-Intermediate Floors
FH3144  w/Door Open & Door Close
FH3145  w/Door Open & Close & Fire Service
FH3146  w/Door Open & Close & Access
FH3147  w/Door Open & Close, FS & Access

Note that we will send you a drawing of your fixture for approval before we manufacture it.
In addition to being built into a car or hall station, position indicators can also be stand alone units. Monitor any number of elevators from one location at a time.

These position indicators can be furnished in a variety of custom sizes and layouts to meet your project and cutout requirements. For example, vertical mount, long horizontal mount, oversize face plates, etc. We can supply digital position indicators in a variety of wiring formats: one line per floor, serial link or binary.

**NEMA 4X & 4/12**

-Water/Corrosion Resistant & Dust Tight Features
- Stainless Steel Enclosures and Faceplates, Gasketed Coverplate and Lens makes water entry impossible.

**NEMA 4X & 4/12**

Flush mount digital position indicator with combo directional lantern and stand alone digital p.i.

**NEMA 4X & 4/12**

Custom sealed surface mount lobby status station with LED read outs.
Digital Position Indicators

Digital position indicators are great for letting everyone know where the elevator is and they’ve been known to help in minimizing vandalism to the elevator. I’m not sure if it’s because it occupies people or if they don’t get aggravated because they can see the elevator is actually moving.

Our digital position indicators come a variety of ways to connect to your elevator controller. While we have standard sizes we also can provide custom faceplate and enclosure sizes to fit existing holes in the wall.

You’ll need to specify the following information when ordering so that we can ensure that the position indicator interfaces correctly with your elevator controller.

**MODELS AVAILABLE**

**Color Of Digital Position Indicator**
- Red
- Blue

**Number of Floors**
- 1-15 Floors
- 17-31 Floors
- Serial Link - Micro Comm

**Floor Markings**

**Signal Voltage**
- Positive 6-20VDC, 6-24VAC
- Positive 24-48VDC, 24-48VAC
- 110/120VAC
- Positive 125VDC
- Negative 6-20VDC
- Negative 24-48VDC
- Negative 125VDC
- Serial Link - Micro Comm

**Signal Format**
- Single Line/1 Wire Per Floor
- Binary
- Units & Tens
- Gray Code
- Inverted Binary
- Special (please call)
- Serial Link - Micro Comm
Multi Light Position Indicators

In addition to being built into a car or hall station, multilight position indicators can also be stand alone units. Monitor any number of elevators from one location at a time.

These position indicators can be furnished in a variety of custom sizes and layouts to meet your project and cutout requirements. For example, vertical mount, long horizontal mount, oversize face plates, etc.

NEMA 4X & 4/12-
Water/Corrosion Resistant & Dust Tight Features
Stainless Steel Enclosures and Faceplates, Gasketed Coverplate and Lens makes water entry impossible.

Stainless Steel Back Box
Flush Mount
Lens Lighted Indicators

Our standard NEMA 4X Multilight position indicators are not standard at all. Choose from our Lucite white gasketed lenses or our see through and filled slotted vandal proof lens. These units are gasketed and manufactured with standard incandescent type bulbs in the voltage you need. LED illumination is available to cut down on re-lamping. LED works best with the smaller 3/8” filled lenses than with our CP white lens.

Whether it’s vertical or horizontal lens alignment we can manufacture your hall/car multilight position indicator in either vandal proof or standard models.

Have a unique floor marking, like 100? We can engrave anything your customer needs.

MODELS AVAILABLE
NEMA 4X& 4/12 - Water/Corrosion Resistant, Dust Tight
In addition to standard or vandal proof lenses we offer our NEMA 4X model in a surface mounting unit, which means no cutout required.

Information required to order: Floor markings, lamp voltage and surface or flush mount.
A requirement by the Americans with Disabilities Act, each of our hall and car directional lanterns is equipped with a 2.5” wide illuminating arrow. Also mounted inside is our directional chime that strokes either once or twice depending on the direction of the elevator.

These can be mounted vertically or horizontally above the elevator door entrance or just to the side of it. These units indicate the direction the elevator is traveling and provide two separate audible tones, single and double, for the sight impaired.

Vandal proof models have drilled and filled holes that permit illumination while preventing vandals from breaking plastic lenses. Each arrow is illuminated using incandescent lamps.

Enclosure and cover plate are fully gasketed and ready for the elements.
Ordering Information

Each directional lantern comes ready to install. Multivoltage directional chime, light bulbs, cover plate and enclosure are standard for each unit. If you have a custom size that you need, let us know and we can fabricate it accordingly.

MODELS AVAILABLE
716-114-4X Terminal Lantern
One Arrow
Choose Features Below

716-115-4X Intermediate Lantern
Two Arrows
Choose Features Below

Face Plate Options
☐ - Vertical Mount
☐ - Horizontal Mount

Lens Type
☐ - Vandal Proof Lens
☐ - White Plastic Lens

Mounting Option
☐ - Flush Mount Design
☐ - Surface Mount Design

Voltage For Lamps/Chime
☐ - 24V
☐ - 48V
☐ - 110/120V

Vandalproof Lenses are filled with a special epoxy type material and are flush with the cover plates.

NEMA 4X Terminal Car/Hall Lantern with custom 3” Round Plastic Lens - Flush Mount

NEMA 4X Intermediate Car/Hall Lantern with custom 2.5” Round Plastic Lens - Flush Mount

Don’t forget we can provide combination digital position indicators and hall lanterns
NEMA 4X Cabinets
We offer water, corrosion and dust tight cabinets for a variety of applications. What you put in them is up to you, electrical or non-electrical. Each heavy duty hinged door and handle assembly can take a beating. Cabinets are available with braille markings and/or locking handle and can have custom engraving.

Handset Telephones
We offer the toughest industrial type telephones on the market. Reliable communication is now available outdoors where water, dust and weather conditions wreak havoc.

Meeting the same high standards as CJA's severe and hazardous environment telephones, the HR70 is ideal for wet, corrosive, noisy or rough use areas.
Ordering Information

**NEMA 4X Cabinets**
Product Features
- Stainless Steel Seamless NEMA 4X Enclosure
- Engraved Cover Plate
- Gasketed Coverplate
- Rust and corrosion resistant stainless hardware

**MODELS AVAILABLE**
- 716-202-4X Cabinet: 10 x 6 x 3.875
- 716-203-4X Cabinet: 16 x 11 x 3.875
- 716-204-4X Cabinet: 23 x 11 x 5.5

Check Features Below
- Hinged Right
- Hinged Left
- Surface Mount
- Flush Mount
- Twist "T" Handle
- Lockable

**Auto Dialing Telephone - NEMA 1**
Product Features
- Stainless Steel Seamless Enclosure
- Telephone Line Powered
- Adjustable Volume & Microphone Setting
- Perfect for any NEMA 4X Cabinet

**MODELS AVAILABLE**
- 737-201-S Auto Dialing Telephone

**Sealed Handset Telephone**
Product Features
- Membrane Keypad / Curly Handset Cord
- Service temperature range: -40° to +140°F
- Encapsulated circuit boards
- Rust and corrosion resistant stainless hardware
- Electret noise reducing microphone
- Magnetic reed hook
- Surge arrestor to prevent voltage spike damage
- Hearing aid compatible
- Electronic ringer for reliability
- Modular parts for easy service

**MODELS AVAILABLE**
- NEMA 4/12 Water/Dust Resistant
- 716-207-4-S HR70 - Telephone

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**VRT-1000 TELEPHONE PROGRAMMING GUIDE**

1. From another phone, dial the number of the ADA phone.
2. ADA phone will come on line after one ring.
3. When ADA phone comes on line, wait five seconds and enter security code 1,2,3,4,5,6.
4. Enter primary number to be called from ADA phone, followed by #0,0
   - You should hear two beeps.
5. Enter secondary number followed by #0,1
   - You should hear two beeps.
6. Enter *4 to start voice message recording. You have 10 seconds to record message. Pushing any key stops the recording.
7. Enter ADA phone I.D. number followed by #2,0
8. Hang up.
   - Your ADA phone is now programmed.

**TELEPHONE MUST BE CONNECTED TO A DEDICATED TELEPHONE LINE!**
Auto Dialing Phones
Our ADA telephone systems are ideal for any environment which is dusty, dirty or where moisture is present. Microphone and speaker are protected against the occasional contact with these elements.

Our hands-free telephone allows for easy programming. Just plug a telephone line in and you’re all set to go. No battery backup or auxiliary power is required.

Intercom Stations
Our intercom systems are available in water/corrosion and dust tight models. They can be incorporated into any car station and are ideal for harsh environments.
**Ordering Information**

### Auto Dialing Telephone

**Product Features**
- Stainless Steel Seamless NEMA 4X Enclosure
- Telephone Line Powered
- PCB circuit board protection
- Rust and corrosion resistant stainless hardware
- Adjustable Volume & Microphone Setting

**MODELS AVAILABLE**
- 716-201-4X-F Auto Dialing Telephone - Flush Mount
- 716-201-4X-S Auto Dialing Telephone - Surface Mount (shown)

### Share 8 Phones on 1 Line

The LC-8 Allows 8 VRT-1000 emergency telephones to share one outgoing line. This is a huge cost savings as monthly line charges with taxes can amount to a large part of a telephone bill each month.

This unit is NOT water/corrosion or dust tight. Please mount it in a location where it will be protected from these elements.

**MODELS AVAILABLE**
- 637-201-CON LC-8 Line Consolidator - NEMA 1 Enclosure

### Intercom Stations

Simply connect each intercom to the intercom module and plug the module into a 110 VAC outlet.

These are ideal for applications where communication to the elevator is required. For instance, mount one in the elevator and one in the machine room or security station. This allows for constant contact and requires no outside phone line.

**MODELS AVAILABLE**
- 716-206-4X Intercom System - Two Intercom Stations and DLE Module

### Check Features Below - Mounting Options

- Intercom 1
  - Flush
  - Surface

- Intercom 2
  - Flush
  - Surface

If a custom size is required please call us. We can manufacture an oversized cover plate to cover an existing hole with ease.
Emergency Lighting

You can include emergency lighting in your car station or add it as a separate fixture to bring your elevator up to code.

If you don’t have a 6VDC alarm bell we recommend that you purchase one of each of the items shown to complete your kit.

Each emergency light requires a 110VAC power feed and outputs 6VDC to power both the alarm button lamp and 6VDC alarm bell pictured. No additional controller interface or conductor cables are required.

Alarm Bells

To complete your emergency light upgrade package you’ll need a 6VDC alarm bell. Our NEMA 4/12 alarm bells are designed to function with any 6VDC power source.

These are standard 6” bells and are easy to install and wire. The sound level at 10 feet is 92db. You can mount our bells up to 1000 feet from emergency light power supply no matter what your voltage is.
Ordering Information

Emergency Lighting
Product Features
• Stainless Steel Seamless NEMA 4X Enclosure
• Gasketed Lens
• Gasketed Coverplate
• Rust and corrosion resistant stainless hardware
• 4 Hour Battery

MODELS AVAILABLE
716-210-4X-F Emergency Light Unit
Flush Mount
716-210-4X-S Emergency Light Unit
Surface Mount

Alarm Bells
Product Features
• Powder Coated Alarm Bell
• NEMA 4/12 Junction Box
• Gasketed Cover
• Sound Level at 10 Feet - 92dB

MODELS AVAILABLE
NEMA 4/12-Other Voltages
742-425-6 6 Volt Alarm Bell: DC
742-425-12 12 Volt Alarm Bell: DC
742-425-24 24 Volt Alarm Bell: DC
742-425-120 120 Volt Alarm Bell: AC

Emergency Light Wiring Schematic: EL-100

ITEM: 716-210-4X-S
Surface Mount Emergency Light Shown
Flush Mount Lights
Ideal for both corrosive and wet environments. Housing and lens frame are fully sealed and gasketed to withstand low-pressure sprayed water (up to 20 psi).

Lens frame is secured with stainless steel screws. Lights have an acrylic prismatic lens and a white aluminum housing. They have knockouts for hard wire connections and require two standard fluorescent T12 bi-pin bulbs.

Size: 48" x 11 3/4" x 4 1/2"

Surface Mount Lights
To help seal out moisture, these fluorescent lights have a one-piece impact- and UV-resistant fiberglass-reinforced polyester body and are fully gasketed. The acrylic lens and captive latches also resist moisture and dirt.

Lights have knockouts for hard wire connections and mounting.

Wet-location fixtures are furnished with two gasketed 1/2" thread fittings for end-to-end mounting and require two standard fluorescent T12 bi-pin bulbs.

Size: 50" x 7 5/8" x 4 3/4"

Cab Fan
This fan is one speed and built to move 855 CFM of air. The design allows for easy installation and wiring.

The 1/4 HP motor is a sealed explosion proof unit. The blade is aluminum, non sparking. This unit meets the requirements of Class 1, Group DX, Class II Group E,F,G.

This unit comes complete with a grill. Simply cut the top of the cab for an 12" diameter hole, mount your fan and wire. It's as easy as 1,2,3.
**Ordering Information**

**Flush Mount Light Fixture**
- **Product Features**
  - Powder Coated Aluminum Housing
  - Gasketed Lens
  - Gasketed Coverplate
  - Rust and corrosion resistant stainless hardware

**MODELS AVAILABLE**
- **Electronic Start Fixtures - 0 Degrees** *
  - 716-214 Cab Light Fixture
    - Flush Mount - 120VAC
  - 716-215 Cab Light Fixture
    - Flush Mount - 277VAC

*Minimum Starting Temperature
0 degrees.

**Surface Mount Light Fixture**
- **Product Features**
  - Polycarbonate Housing & Lens
  - Gasketed Lens
  - Gasketed Coverplate
  - Rust and corrosion resistant stainless hardware

**MODELS AVAILABLE**
- **Electronic Start Fixtures - 0 Degrees** *
  - 716-218 Cab Light Fixture
    - Surface Mnt. - 120VAC

*Minimum Starting Temperature
0 degrees.

**Cab Ventilation Fan**
- **Product Features**
  - Galvanized Housing
  - Aluminum Fan Blade
  - Stainless Steel Grill
  - 855CFM
  - Explosion Proof Motor 1/4 HP
  - Single Speed Unit

**MODELS AVAILABLE**
- **NEMA 4 - Dust Tight / Hazardous Loc.**
  - 716-220 Cab Ventilation Fan,
    Sealed Motor, Class 1,
    Division II System.

*Note due to weight and size requirements unit may be shipped via truck service.

---

*NEMA 4/12 Cab Light - Surface Mount*
**ITEM:** 716-218
**Pit Switches**

**For Wet Locations**

**Pit Switch: NEMA 4X**

Don’t compromise safety by choosing the cheapest pit switch on the market today. Choose one that’s going to last under in demanding environments. Our NEMA 4X Pit Stop Switch offers the following heavy duty features: Seamless stainless steel enclosure, 11 gauge stainless steel cover plate, bright red push pull stop button and gasketed cover. Contact blocks are rated for 110-480 VAC.

These switches should be used in every pit where water is present or may be present, including incidental water such as from mopping or water from boots, shoes, etc. running down the hatch.

**Pit Switch: WA**

The “original” water resistant pit stop switch, the WA features a heavy duty cast aluminum cover plate and enclosure assembly, cast lever and threaded conduit entrance for easy wiring.

Originally designed to handle the higher voltages of yesterday, 110 - 220 VDC, these switches have levers or buttons that are seated in the coverplate. This prevents water from entering the enclosure.
Ordering Information

Pit Switch: NEMA 4X

Product Features
- Stainless Steel NEMA 4X Enclosure
- Gasketed Pushbutton
- Gasketed Coverplate
- Engraved Cover Plate
- Rust and corrosion resistant stainless hardware

MODELS AVAILABLE
NEMA 4X-Water/Corrosion Resistant
51101-4X Pit Stop Switch
51101-4X-LO Pit Stop Switch - LO
With Optional Lockout Tagout Kit

Our heavy duty push pull stop switch is sealed to protect against water and dust.
Item: 716-025-C-R
Sealed Pushbutton Maintained

Pit Switch: WA

Product Features
- Stainless Steel NEMA 4X Enclosure
- Sealed Lever
- Gasketed Coverplate
- Engraved Cover Plate

MODELS AVAILABLE
NEMA 4/12-Water/Dust Resistant
51101-WA WA Pit Stop Switch-N4
Rated for 110V - 220 VAC or DC

If you run into a situation where the elevator pit is considered a confined space by an OSHA Safety Representative then you may need to upgrade your pit switch with a lockout tag out kit. Each kit includes Bracket, lock & Tag as shown.

51101-4X-LO - Pit Stop Switch w/Lockout Tag Out Kit

Item: 716-025-C-R
Sealed Pushbutton Maintained
Car Top Stations
If you’re tired of bent or crushed car top inspection stations and want one that lasts, this station is for you. Many customers install them on all of their jobs. They are virtually indestructable.

Pit Light/Car Bottom
Perfect for under the car or pits that require a receptacle and a light at the same time. Simply mount on the wall or bottom of the elevator platform and Light and receptacle are concealed under a weatherproof cover making sure the elements do not damage the electrical equipment. Heavy duty light and guard ensure that accidental contact doesn’t damage it.

additional circuitry to your controller in order for pit flood service to work correctly.

Pit Water Float Switch
After a tragic death where a person drowned in an elevator during tropical storm Allison in Houston, TX, pit float switches have been specified on more elevators nationwide.

The Elevator Pit Float Switch is designed to close a contact when the water float is activated, 3/4" throw required to activate sensor.

Please note that this device is simply a water sensor contact and does NOT contain the logic, circuitry, relays to actually run the elevator. You may need to add relays or additional circuitry to your controller in order for pit flood service to work correctly.
Ordering Information

**Car Top Inspection Station**
Product Features
- Stainless Steel Seamless NEMA 4X Enclosure
- GFCI Receptacle
- NEMA 4, 12 & 4X Pushbuttons
- Rust and corrosion resistant stainless hardware
- Gasketed Light Bulb Guard

**MODELS AVAILABLE**
722-303 Car Top Inspection Station - Complete w/Worklight and GFCI Receptacle

*When ordering please indicate voltage required. This is needed so that we can supply the correct fire service buzzer and lamp.*

**Car Bottom/Pit Light Station**
Product Features
- Stainless Steel Seamless NEMA 4X Enclosure
- GFCI Receptacle
- NEMA 4, 12 & 4X Pushbuttons
- Rust and corrosion resistant stainless hardware
- Gasketed Light Bulb Guard

**MODELS AVAILABLE**
NEMA 4X-Water/Corrosion Resistant
722-305 Worklight & Receptacle Only

**Pit Flood/Float Sensor**
Please note that this device is simply a water sensor contact and does NOT contain the logic, circuitry, or relays to actually run the elevator. You may need to add relays or additional circuitry to your controller in order for pit flood service to work correctly.

*Steps that should happen if water is sensed in the pit and this device is activated should include the following based on our recommendation.*

**Recommended Operation**
With pit flood device mounted 1”-2” from pit floor the following sequence of operations should occur: CJA Controllers from 2010 and above have Pit Flood Circuitry Built In.

1. Pit Flood Sensor Rises and Closes Contact.
2. Closing Contact Connects Back To Controller
3. Elevator Runs To Top Floor, Doors Open and Stay Open
4. All Hall Calls and Car Floor Buttons are Disabled

**IMPORTANT NOTE:** The sequence of operation mentioned above is something that 2010 and newer CJA Elevator Control Systems have built into the programming. If your controller is older and/or manufactured by another company, it may not be able to perform the tasks indicated above. We recommend that at the very least you are able to add relays so that the elevator runs to the top floor if the float switch is activated and stays at the top floor, disabling all car and hall calls until the elevator can be inspected by a trained elevator mechanic.

**Product Features**
Control Interface Options
- 0.40A @ 240 V AC
- 0.20A @ 120 V DC
- 0.50A @ 120 V AC
- 0.50A @ 24 V DC

**MODELS AVAILABLE**
NEMA 4X-Water/Corrosion Resistant
51101-PF Pit Float Sensor
Lever Operated Fixtures - Car Stations
"The Original Waterproof Fixture"

The HIGH WATER MARK in
WATERPROOF QUALITY is
C.J. Anderson W.P. Equipment

Got an elevator control problem
that's dampening your enthusiasm?
Let us know about it. We can possibly solve it.

C.J. Anderson & Co.
Division of Federal Sign and Signal Corporation
212 West Hubbard Street • Chicago, Illinois 60610

Are you immersed in problems of
keeping elevators on-the-go in packing
plants, laundries, bottling plants and
other places where moisture's a menace?
If so, take refuge in this wide range of
dependable waterproof equipment,
including: Push Buttons, Top-of-Car
Inspection Stations, Key-Operated Sta-
tions, Pit Safety Switches, Limit
Switches, Door Interlocks, and Floor
Switches.

All are designed, built and properly
gasketed to assure years of sale, shel-
tered service.

In appearance they're see-worthy, too.
The original water resistant fixture. These are great for those applications that are as extreme as you can get. They are also great for buildings that are still running high voltage lines, such as 220-440VDC.

These lever activated fixtures represented the original CJA water resistant fixture line. Still in demand today, these fixtures are used for replacement purposes and new equipment. Specific design features make the lever activated fixtures water resistant and durable to last in your harshest environment. They are time tested and industry approved. Shown right is the FW-66 car station. The markings on the cover can be changed to meet your specifications. Also, levers can be added or subtracted depending on the number of floors.

Product Features
• Any Voltage
• Cast Aluminum Cover Plate/Enclosure
• Stainless Steel Cover Legend Plate
• Water Resistant Gasketed Coverplate
• Lever Buttons are Recessed In Cover Plate
• Carbon To Metal Loaded Contacts

MODELS AVAILABLE
736-977-8 FW-65 -Up To 8 Levers Engraved to your specifications
736-977-12 FW-66 - Up To 12 Levers Engraved to your specifications

Please note that the number of levers can be less or more than specified above. Door Buttons, Fire Service features are also available. Please call for additional information.
Lever Operated Fixtures - Hall Stations
"The Original Waterproof Fixture"

wet's the problem?

Moisture's the menace? In buildings such as packing plants, breweries, open downtown garages, dairies, cold storage plants, dam sites—wherever a drizzle can put a fizzle on elevator equipment, that's where you need . . .

CJA WATERPROOF

- Limit Switches
- Leveling Zone Switches
- Floor Switches
- Push Button Stations
- Inspector's Top of Car Stations
- Key Operated Stations
- Hall Stations
- Door Interlocks
- Pit Safety Switch
- Access Switch.

C. J. Anderson accessories are built for service. Precision machined, the boxes and covers are then properly gasketed to assure complete waterproof protection.

That's why, if the environment's certain to be wet, C. J. Anderson's waterproof is your safest bet. The proof's in waterproof.

Anderson quality helps make each installation a referral job. See for yourself.

C. J. ANDERSON & CO.
Chicago, Illinois 60610

For information and prices, see our catalog, Form EC-563, or write us:

Printed in USA
Ordering Information

**FW Hall Station - Flush Mount**
Oldies but goodies. Ideal for extremely tough environments such as Cement Facilities, Sugar Processing Plants and other applications where sticky goo regularly freezes up standard pushbuttons.

Ideal for High Voltage Applications, such as 220VDC to 440VDC and for applications where buildings have been grandfathered from current codes.

We offer many different configurations so please call us if you require features not shown in this section.

**MODELS AVAILABLE**

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>73521F-1</td>
<td>FW3-1 Single Lever (call) and In-Use Light - Flush Mount</td>
</tr>
<tr>
<td>73521F-2</td>
<td>FW3-2 Double Lever (call) and In-Use Light - Flush Mount</td>
</tr>
<tr>
<td>73521F-15</td>
<td>FW-15 Two to Ten Levers with Stop Switch and Light Switch - Flush Mount</td>
</tr>
</tbody>
</table>

**SW Hall Station - Surface Mount**
Same features as the FW Series except that these units are surface mount.

Ideal for High Voltage Applications, such as 220VDC to 440VDC and for applications where buildings have been grandfathered from current codes.

We offer many different configurations so please call us if you require features not shown in this section.

**MODELS AVAILABLE**

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>73521S-1</td>
<td>SW3A-1 Single Lever (call) and In-Use Light - Surface Mount</td>
</tr>
<tr>
<td>73521S-2</td>
<td>SW3A-2 Double Lever (call) and In-Use Light - Surface Mount</td>
</tr>
</tbody>
</table>

Above: Side View of FW3-2
ITEM: 73521F-2

FW3-2 - Up/Down Lever & In Use Light
ITEM: 73521F-2

SW3A-1 - Call Lever & In Use Light
ITEM: 73521S-1
Sidewalk, Key Operated Stations
The "Original" Sidewalk Elevator Station

Sidewalk Elevators
CJA has more sidewalk elevator related equipment in cities all over the world than any other manufacturer. It amazes me when I travel to see SWK and FW stations that are still working on a daily basis. Some continue to operate after 50 years of service.

The FW station pictured is at the world famous Berghoff Cafe in downtown Chicago, not only was it a great restaurant but a great sidewalk elevator. This station has been installed since the 1940’s and if it could talk the stories it might tell.
CJA offers a complete line of key operated stations for any application, especially those which require moisture and dust protection. Cover plates are available in stainless steel or bronze and have heavy duty cylinders.

Used on sidewalk elevators or platform lifts that require a constant pressure switch to run the platform up or down.

If the model or features are not shown please call us toll free. We can customize your station with almost any feature.

**NEMA 4X-Water/Corrosion Resistant**
- 733-101-S4X: SWK-1: 1 Momentary Key Switch Only
- 733-201-S4X: SWK-2: 2 Momentary Key Switches Only
- 733-301-S4X: SWK-3: 1 Momentary Key Sw. & In-Use Lens

**NEMA 4/12-Water Dust Resistant**
- 733-101-S4: SWK-1: 1 Momentary Key Switch Only
- 733-201-S4: SWK-2: 2 Momentary Key Switches
- 733-301-S4: SWK-3: 1 Momentary Key Sw. & In-Use Lens

**NEMA 4/12 is manufactured with an aluminum enclosure while NEMA 4X is manufacturing with a Stainless Steel Enclosure**

FW Lever Operated Station For Constant Pressure Applications
For almost a century C.J. Anderson & Company has been manufacturing controllers for both national and international markets. As a pioneer in the field, CJA has manufactured thousands of controllers, from tiller rope and car switch to the present day microprocessor. With this vast number of controllers in the field, most elevator constructors or mechanics are familiar with CJA’s design, operation and construction. It is our policy to retain the familiar design principles while incorporating modern technology into the control systems.

We specialize in providing complete fixture/control system packages for ease of installation. You don’t have to worry about coordinating schedules and lead times and will receive a completed package on time with all the features for your project. We also can provide serial link wiring for CJA Fixture/Control System packages which can greatly decrease your installation time.

All of the controllers shown can be manufactured to meet the following standards.
- Water Resistant - NEMA 4
- Corrosion Resistant - N4X
- Hazardous Location - N7/9
- Dust Proof - NEMA 12
- Conventional - NEMA 1

With the advent of computer logic into the elevator industry there have been a vast number of new companies promoting their control systems. Many of these new companies no longer exist. With C.J. Anderson Control Systems you have the assurance that technical assistance, wiring diagrams and replacement parts will be available for years to come. With CJA you enjoy the benefits of “today’s system’s” coupled with years of proven reliability, and the confidence that we will be here in the future.

CJA’s objective is to utilize the best available technology, equipment selection and design which will suit the contractor’s needs for performance and cost. This includes the selection of the processor, computer software, programming, control equipment, drives, relays, resistors, etc. which go into the final design. The overriding goal of the entire system is that the final product must be reliable and cost effective.

Reliability is insured by pre-adjusting at CJA’s factory and then completely testing the finished product prior to shipping.

Cost effectiveness is realized by ease of installation, adjustment and maintenance after completion.
Controller Types

**VVVF Variable Voltage Variable Frequency**
For traction elevators traveling faster than 100 FPM. Solid State controls, dynamic braking and force guided relays make our controllers the most solid state in the industry. For elevators that are under 150 feet per minute no encoder feedback from the motor is required. For speeds 150 feet per minute and above we recommend that you use encoder feedback. We can provide a new motor and encoder for your elevator system along with a new controller.

**RTC-1 - Soft Start For One Speed Motors**
For traction elevators that travel less than 90 FPM. With this system, stopping of the elevator occurs when the elevator comes to the floor and the door zone sensor is activated. The brake sets and the elevator stops. The slower the elevator elevator travels the better this controller stops. Motor control is by Power Electronics Smooth Control or soft start from one of the other soft start manufacturers.

**RTC-2 - Soft Start For Two Speed Motors**
For traction elevators with speeds less than 180 feet per minute. This is a very good alternative for older elevators. Soft start units are controlled by the Power Electronics 2 Speed Smooth Move. It slowly ramps up into the first motor winding and then the second and it also has the ability to slow down when a selector is added to your elevator. We can provide this as a PLC Based system or relay logic with Fire Service for repair or like for like replacements.

**Hydraulic - Soft Start, Wye Delta or SOL**
Our CJA controllers for hydraulic projects are ideal for direct replacement or new installations and have solid state industry type PLC and components that are readily available and off the shelf in the event of a shut down. Available with Soft Start, Wye Delta or Straight Access The Line, we can build a controller to meet your specifications.

**VVVF Line Regen**
Line Regeneration with elevator controllers is being specified for more and more projects. Instead of energy transforming into heat when the elevator stops and dissipating into a resistor bank, the energy that’s created when the elevator stops gets pushed back into the AC line through a REGEN unit. The upfront cost associated with line regenerative drives is more than a traditional VVVF controller. However over time you’ll know that your elevator is conserving what used to be wasted energy and helping in your effort to keep your building green.

**SCR - For DC Motors**
They are still out there, elevators running with DC motors. We still build elevator controllers for these types of applications utilizing a solid state SCR Drive. We also use PLC Based logic, encoder feed back and recommend you installing a new line isolation transformer to ensure that noise and interference is kept to a minimum. There’s still a market for DC controllers, it’s just not as large as for VVVF AC elevators.

Features & Options

**Microprocessor Control (PLC)**
CJA utilizes the best software and PLC’s to achieve the best performance for your elevator. Each Control System has a “brain” which contains a non volatile memory program that cannot be erased in the event of a power outage.

Microprocessor control allows CJA to upgrade programs in the future to allow for code changes and new elevator requirements. We also manufacture controllers using PLC’s that are industrial type. One of the most popular among the ones we build with is Allen Bradley.

**Relay Logic**
Need Relay Logic? We still make them. Keep in mind that the price of a Relay based system when compared to a Microprocessor based system is actually more due to an increased number of relays and time involved with manufacturing and testing the controller. Also note that certain Fire Service Codes are not available with this type of logic, and Single Automatic Pushbutton operation can only be accommodated with elevators over three floors. Ideal for elevator speeds under 100 Feet Per Minute and using motor controls that are anything but VVVF. Perfect in some cases for like for like repair replacements.

**Touchscreen Diagnostics**
CJA Microprocessor control systems come equipped with touch screen controls for monitoring the elevator and reporting faults of the system, such as bad door interlock contacts. Each LCD screen is easy to navigate through and also allows the mechanic the ability to change simple parameters such as door timing and alternative floor for fire service. This is a standard feature on all PLC based controllers.

**Easy to Wire Terminal Blocks**
Easy to view and wire terminal blocks make wiring a breeze. We specifically use easy to wire blocks to help with wiring.

**Controller Air Conditioners & Heaters**
We can upon request provide cabinet cooled air conditioners to prevent damage to both microprocessor and solid state motor controls for excessively hot machine rooms. Available in NEMA 1, 4/12 and 4X, we can easily provide them should you require one. Each unit is wired directly in to the control system and comes with a manually adjusted thermostat. Heaters are also available for colder climates as well.

**Motor Control**
Constant Pressure, Car Switch, Single Speed, Two Speed, Hydraulic, Variable Frequency Variable Voltage or DC SCR Applications. We can manufacture your controller for any horsepower or elevator speed you need. This is dependent upon what type of system you have.

These are just a few of the many features available to you when you purchase a CJA Control System. Each control system is built to your job specifications and tested prior to shipping. Call today for controller pricing on your next project.
**Tape Selector**

The CJA Accu-Track III Selector System is designed to provide solid state car positioning and leveling. It will work with any control system and can provide up to ten relays for a variety of functions including: door zone, level up, level down and up/down slowdowns, and encoder feedback.

You can wire the unit however you’d like and are not required to wire all ten sensors/relays if not necessary.

Features:
- Stainless and Polycarbonate Construction
- Corrosion Resistant Fasteners
- Dry Contacts Rated for 24-240VAC or DC
- 110VAC to Power Unit
- LED Indicators Read Through the Coverplate
- Can be configured for any controller.
- Normally Open Contacts
- Nylon Replaceable Tape Guides
- 10 Sensors - 5 Positive
- 5 Negative
- Sealed Halifax Sensors

Item: 636-507- Tape Control Box Assembly
For complete selector order item: 636-501-3
Accu Track Selector System

Features
• Corrosion Resistant Design and Construction
• Dry Contact Points - Not Voltage Sensitive
• Requires 110VAC Power Supply
• Replaceable Sensors & Components
• 10 Sensors, Four Separate Lanes

MODELS AVAILABLE
636-501-3 Accu-Track Selector with Ten Sensors

Specify number of floors and elevator hoistway length when ordering. For elevators that require more than 100 feet of tape the additional amount needed will be charged at our current per foot price. Note that you may not need all the sensors on the unit.

REPLACEMENT COMPONENTS
636-514 Tape Guides - Plastic Heavy Duty - Four Required Per Accu Track
636-517-POS Magnets for Accu-Track Positive
636-517-NEG Magnets for Accu-Track Negative
636-507 Accu-Track Control Box
636-518 Tape Reader Assembly
636-516 Selector Tape 3" Wide Priced By Foot

Ordering Information

Item: 636-501-3
Accu-Track Complete Package
1. Control Box Assembly - 636-507
2. Wiring Harness - Comes With Tape Head
3. Top Tape Holder
4. Bottom Tension Tape Holder
5. Accu Track Tape Reader w/Sensors - 636-518
6. Magnets, Magnet
7. Magnet Layout Tool

Roll of 3” Stainless Steel Tape shown above.
Complete Packages
CJA Hatch Switch Packages are ideal for any new installation or modernization.

Available in two different types of sealed packages, simply choose between high speed and lower speed NEMA 4/12 applications.

Item: 535-151
C-8 Limit Switch - 1 Normally Closed Contact Gasketed Cover & Nylon Bearing

Item: 535-701-WP
SL Limit Switch - 2 Normally Open, 2 Normally Closed Contacts Gasketed Cover & Nylon Bearing - Used on our 8 Switch Packages
NEMA 4 Switch Packages

Features
• Die Cast Bodies & Covers
• Heavy Duty Contacts
• Sealed Contacts
• Replaceable Components
• Turn to Page 184 For More Switch Contact Configurations & Models

MODELS AVAILABLE
CJA-HSP-N4 Standard Hatch Switch Package - NEMA 4/12

Each Package Includes: 2 C-8’s, 2 C-81’s, 2 CB-51’s, 6 Limit Switch Mounting Brackets and 1 Four Foot Long Car Riding Cam. If you require a different contact arrangement please let us know and we can provide any that you need.

CJA-HSP-8-4 High Speed Switch Package
SL Switches - NEMA 4/12

Each Package Includes: 8 SL’s, 8 Limit Switch Mounting Brackets & 8 Foot Car Riding Cam

Ordering Information

Item: CJA-HSP-4
Hatch Switch Package
6 Limits, 6 Mounting Brackets,
1 Car Riding Cam

C-8 WP - 1 N.C. Contact & Mounting Bracket
C-81 WP - 1 N.C. Contact & Mounting Bracket
CB-51 WP - 1 N.O. & 1 N.C. Contact & Mounting Bracket
CB-51 WP - 1 N.O. & 1 N.C. Contact & Mounting Bracket
C-8 WP - 1 N.C. Contact & Mounting Bracket
C-81 WP - 1 N.C. Contact & Mounting Bracket

Item: CJA-HSP-8
Hatch Switch Package
8 Limits, 8 Mounting Brackets,
1 Car Riding Cam

SL-WP - 2 N.O. & 2 N.C. Contacts & Mounting Brackets

4 Foot Car Riding Cam

Item: CJA-HSP-8
Hatch Switch Package
8 Limits, 8 Mounting Brackets,
1 Car Riding Cam

8 Foot Car Riding Cam
Motors - Sealed
The W21™ Severe Duty High Efficiency motors are designed to meet or exceed all EPAct requirements for energy efficiency as defined by the DOE. The efficiency values are certified according to the DOE's regulations (Certificate of Compliance number CC029A).

W21™ motors meet the most demanding severe duty application requirements. These TEFC motors are all cast iron construction, with enclosures rated IP55 to handle wet and dirty environments. They are painted with a special system, using synthetic enamel alkyd resin paints, which exceed the ASTM B117 standard for salt spray test. The W21™ line is rated for 1.25 Service Factor up to 100HP and meet Design B (up to 100HP) and Design C (from 15HP up to 100HP) torque requirements. This line is rated for dual frequency and dual voltage (with reduced service factor) up to 60 HP. And the entire line is certified Inverter Rated for use with a VFD. This rating meets or exceeds MG1 Part 31 NEMA Specifications.

Encoders - Sealed
For applications that require encoder feedback we offer a sealed unit that can be purchased separately or added to any motor.

For elevator speeds over 150 FPM we recommend utilizing encoder feed back with a VVVF drive. We also recommend encoder feed back when car capacities are much larger than the normal elevator.
Ordering Information

Motors - NEMA 4 - TEFC - IP55

Product Features
- Squirrel Cage Rotor / Aluminum Die Cast
- Class F Insulation
- Totally Enclosed Fan Cooled - TEFC (IP55)
  - water tight and dust tight enclosure
- Non Sparking Fan
- Division 1, Class I, Groups C and D
- Division 1, Class 2, Groups F and G
- Voltage: 208-230/460V, 200V, 460V or 575V
- Service Factor: 1.25 up to 100HP
- Continuous duty (S1)
- 104°F (40°C) ambient temperature
- Altitude: 3300 ft (1000m)
- Call for pricing for Encoder Kits

MODELS AVAILABLE - W/O ENCODER

<table>
<thead>
<tr>
<th>Model</th>
<th>HP</th>
<th>RPM</th>
<th>Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>363-276-WP5</td>
<td>5</td>
<td>1200</td>
<td>215T Frame, 208-230/460V</td>
</tr>
<tr>
<td>363-276-WP7.5</td>
<td>7.5</td>
<td>1200</td>
<td>254T Frame, 208-230/460V</td>
</tr>
<tr>
<td>363-276-WP10</td>
<td>10</td>
<td>1200</td>
<td>256T Frame, 208-230/460V</td>
</tr>
<tr>
<td>363-276-WP15</td>
<td>15</td>
<td>1200</td>
<td>854T Frame, 208-230/460V</td>
</tr>
<tr>
<td>363-276-WP20</td>
<td>20</td>
<td>1200</td>
<td>286T Frame, 208-230/460V</td>
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<td>363-276-WP25</td>
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<td>1200</td>
<td>324T Frame, 208-230/460V</td>
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<td>363-276-WP30</td>
<td>30</td>
<td>1200</td>
<td>326T Frame, 208-230/460V</td>
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<tr>
<td>363-276-WP40</td>
<td>40</td>
<td>1200</td>
<td>364T Frame, 208-230/460V</td>
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<tr>
<td>363-276-WP50</td>
<td>50</td>
<td>1200</td>
<td>365T Frame, 208-230/460V</td>
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<tr>
<td>363-276-WP60</td>
<td>60</td>
<td>1200</td>
<td>404T Frame, 208-230/460V</td>
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<tr>
<td>363-276-WP75</td>
<td>75</td>
<td>1200</td>
<td>405T Frame, 208-230/460V</td>
</tr>
</tbody>
</table>

Note: We Carry Other RPM’s & Higher HP Motors! Call us toll free for more information.

Harsh Duty Encoders

Product Features
- 1024PPR Encoder
- Mounting Kit Included
- NEMA 4
- Available as Add On To Motor Shown

MODELS AVAILABLE

<table>
<thead>
<tr>
<th>Model</th>
<th>HP</th>
<th>RPM</th>
</tr>
</thead>
<tbody>
<tr>
<td>363-276-ENC HS-35</td>
<td>1024 PPR</td>
<td>NEMA 4 Encoder</td>
</tr>
</tbody>
</table>

If you would like us to mount the encoder on a motor shown right please specify this in your purchase order.
Knock Out Punches
Unless you specify where you’d like conduit entrances you’re going to need to install them in the field. We’ve found that this is really the best place to do so.

We offer two different sets, one for mild steel which work just fine for our 14 gauge NEMA 4X enclosures and a heavier duty set that can punch holes in 10 gauge stainless steel.

We also carry the replacement draw bars as well as new punches for your set as they wear out. Please call us if you need them replaced.

Conduit Fittings
Our WH Series die cast water proof hubs come in a variety of sizes for your water proofing needs.

Available in Stainless Steel and Zinc Die Cast. Call for pricing on your next project.

Junction Boxes
Any size you’d like, just let us know. All enclosures have mounting means external to the equipment cavity and are rated NEMA 4X.

Need terminal blocks? Just let us know how many you need and we will install them for you. We use DIN rail mounted snap on terminals to maximize space.

Junction boxes do not have any conduit holes. You need to install them in the field as you require or ask us to install them for you.

Die Cast Water Proof Conduit Hubs are Required for ANY C.J. Anderson & Company NEMA 4X Fixture.

Some locations may require stainless steel conduit, trough and hub fittings.
Ordering Information

Knock Out (KO) Punch Set
Product Features
• 4 Piece for Milder Metals
• 6 Piece for Stainless Steel
• 11 Ton Hydraulic Driver Ram (639-101)
• 5 Punches for Holes Listed Below SS
• 7/8", 1 7/64", 1 23/64", 1 15/16", 2 3/8"
• 4 Punches for Holes Listed Below (639-100)
• 7/8", 1 7/64", 1 23/64", 1 1 11/16" MODELS AVAILABLE
639-100 4 Piece Self Centering Set For Mild Steel
639-101 6 Piece Self Centering Knock Out Set With Hydraulic Driver - for up to 10 Gauge Stainless Steel

Enclosure Fittings
Product Features
• Heavy Duty, Die Cast or Stainless Steel
• Sealing O Ring Neoprene Washer
• Easy to Install MODELS AVAILABLE
HUBS BELOW ARE ZINC DIE CAST
WH-1 1/2" WH Hub: Die Cast
WH-2 3/4" WH Hub: Die Cast
WH-3 1" WH Hub: Die Cast
WH-4 1-1/4" WH Hub: Die Cast
WH-5 1-1/2" WH Hub: DieCast
WH-6 2" WH Hub: Die Cast

HUBS BELOW ARE TYPE 304 SS
WH-1-S 1/2" WH Hub: Stainless
WH-2-S 3/4" WH Hub: Stainless
WH-3-S 1" WH Hub: Stainless

Junction & Conduit Boxes
Product Features
• Stainless Steel Construction
• Enclosure Mounting External
• Any size you need just call
• We can provide terminals as well

Please call and let us know how many terminals you require and we'll determine the size enclosure you'll need. Don't forget about the conduit hub fittings for your enclosure!

NEMA 4X Junction Boxes come in a variety of sizes. We can even install terminals in them on din rail. Call for a price quote today!