



Advance Features

[Compact & Trim]

Serial communications result in a significant reduction of electrical wiring and redundant components. Further reduction in elevator hardware is achieved by the self-learning or calibration feature, whereby during commissioning, the elevator controller determines the floor heights and travel distances, and stores the collected information in a memory chip. The significant reduction of hoistway wires (as much as fifty percent when compared to conventional elevators and hardware coupled with the improved system reliability result in a highly stable and safe system.

Custom Made Elevators

A wide range of equipment, car interiors and finishes have been made available to cater to virtually all clients' requirements and needs. Collaboration with specialist interior designers has resulted in elevators with elegant and unique designs, many of which have been installed in high-class hotels, condominiums and other establishment. Our design team is always ready to assist in any way possible.

Low Cost of Ownership

[Reduced Energy Costs & Maintenance Costs]

Performance results indicate that the system reliability is excellent with service disruptions reduced to a bare minimum. Coupled with the simplicity of the system and reduced hardware, the end result is significantly lower yearly maintenance costs for the Fuji VVVF elevator. Even in the even of a service disruption, the VVVF elevator has built-in algorithms to restore operation when it has been determined that there has been no loss in system integrity and safety.



► Standard & optional features

STANDARD FEATURES

The following paragraphs provide brief descriptions of the standard features incorporated in the Fuji elevator. Please feel free to approach our sales personnel for further clarification on these standard features.

Overload Non-Star

When the car load exceeds the capacity or rated load of the elevator, the elevator will stop operation with the doors fully opened on that floor and a buzzer is annunciated. The buzzer will stop when a sufficient number of passengers have exited the car and car load is less than the rated load.

Automatic Bypass

If the car load has exceeded 80% of the rated load or capacity of the elevator, the elevator will automatically ignore all the hall calls in the direction of service and respond to car calls only. (This feature is applicable for group control of two or more elevators only).

Door Safety Edge

The leading edge of each car door panel is equipped with an electro-mechanical safety edge device. When a passenger or an object touches one of these safety edges. The elevator will stop the doors at the point of contact and re-open the car doors immediately. (This feature is only applicable for centre-opening doors).

Interphone

In cases of emergencies, the interphone installed inside the elevator facilitates direct two-way communication with the rescue personnel in the motor room. Communication is also possible with the building superintendent if an optional intercom is installed in the building control room. The interphone is activated by simply pressing the interphone button on the car operating panel.

Emergency Car Lighting

An emergency ceiling light switches on automatically in the event of a power failure, providing illumination within the car. The emergency light will allow any passengers inside the car to locate and utilize the interphone or the alarm bell to alert the building superintendent.

Fire Emergency Return

When the building's fire or smoke detectors are activated or the switch on the supervisory panel (optional) is activated, all calls are cancelled and all the elevators will immediately travel to the main lobby and park there with the doors fully open. However, the electrical signal that indicates the actuation of the fire sensors, must be supplied to the elevator controller by others.



OPTIONAL FEATURES

The features described in the preceding paragraphs are optional features which may be added to the standard features of an elevator. The list of optional features provided here are not meant to be exhaustive and the customer is encouraged to approach the sales personnel on additional features that are not described in these paragraphs.

Car Light & Fan Automatic Shut Off

Elevators can be installed with an energy saving feature that automatically switches off the car internal lighting and ventilation fans when no calls are registered a predetermined period of time.

Group Control System

The group control system for two or more elevators employs artificial intelligence and fuzzy logic. The highest refined knowledge and experience harnessed in the field of group control have been incorporated into the microprocessors, allowing car assignments to the most used location, and thereby providing superb elevator efficiency and optimum service. The following main features are included in the group control system.

Continuity of Service

The system will exclude an elevator from the assignment of hall calls when the car cannot respond to the calls registered. Another car in the group will operate as a backup for the excluded car to ensure continuity of service to all hall calls.

Automatic Parking

During off-peak hours, after the elevator cars have been dormant with doors closed for a predetermined amount of time, the system disperses each car to a designated location (main floor and upper floor), thus allowing more efficient service to future hall calls.

Peak Traffic Control

To alleviate traffic congestion at the main floor, cars are automatically assigned to the floor where traffic is heaviest.

False Calls Cancellation/Anti-Nuisance Cancellation

All car calls are automatically cancelled to avoid unnecessary stops caused by registration of nuisance car calls when the number of car calls registered do not correlate with the car load.



Non-Service of Specified Floor

A key switch can be installed on the maintenance recess panel, which is located on the lower part of the car operating panel, to suspend elevator service to specified floor (s) when activated. This feature allows the client to selectively suspend elevator service to selected floors for various reasons such as unoccupied floors, after office hours operation or even for security reasons.

Attendant Service

The operating mode of an elevator can be switched to attendant service from the normal full-automatic operation by activating this override switch as and when required. This switch is installed on the maintenance recess panel, which is located on the lower part of the car operating panel. When hall calls are registered, the appropriate direction arrows in the car will be illuminated to indicate the service direction of the car.

Passenger-Sensing Doors

A sensor can be mounted above the car entrance to monitor passengers boarding or exiting the car. With this sensor, the elevator can control the opening. Closing time of the doors more efficiently, effectively reducing travel and waiting times.

Ultrasonic Door Sensor

An ultrasonic sensor mounted above the car entrance is capable of detecting passengers or objects near the elevator entrance and keeps the doors open as long as required. Unnecessary open/close cycle are eliminated. Doors are closed promptly to increase operating efficiency.

Optical Door Safety Device

This versatile door safety device re-opens closing doors immediately when the infrared beam installed on the car doors is interrupted. The doors will close again after re-opening. There are two types: the single beam infrared photocell or the multiple beam infrared safety rays which covers the full height of the car doors.

Car Arrival Chime

An electronic chime provides an audio signal to inform waiting passengers of the arrival of the elevator car at each floor. The chime can be mounted on the top or bottom of the car, or at each landing floor if required.

Hall Lantern

Hall lanterns on each floor will flash to indicate elevator car arrival and service direction to passengers waiting at the elevator lobby. The flashing hall lantern is intended to indicate to waiting passengers the elevator in a bank that will arrive to service the particular floor and the direction of its travel.



Auxiliary Car Operating Panel

An auxiliary car operating can be installed on the unoccupied front return panel in large-capacity elevators or elevators in high occupancy buildings to provide easier access to passengers in the car. (This panel is only applicable for centre-opening doors.) Special auxiliary car operating panels with features catered to the handicapped are also available upon request.

Automatic Rescue Device (CARD)

During normal power failure, the Automatic Rescue Device (CARD) converts stored energy from its bank of rechargeable batteries to drive the elevator car to the nearest floor and opens the elevator doors to let the passengers out. The CARD optimizes the use of the stored battery power by selecting the direction which requires the least effort. (This device is suitable for those buildings without an emergency power source allocated for the elevator.)

Operating by Emergency Power

[Source-Automatic]

When the normal power supply fails, this optional feature will direct each elevator automatically to a specified floor, one-by-one, powered by the building's standby generator. When the elevator car arrives at the specified floor, the doors will open to allow passengers to disembark and then the respond to car and hall calls under the normal operation mode but powered by the building standby generator.

Fireman Emergency Operation

The fireman's switch is usually installed at the elevator main lobby. When it is activated, all car and hall calls are automatically cancelled and all elevators in the same bank will return immediately to the main lobby. The doors will be open to allow passengers to disembark. Subsequently, the fireman's elevator responds only to car call; the purpose of this mode of operation is to facilitate fire rescue and fire fighting operations.

Supervisory Panel

With this panel, the building superintendent can monitor elevator operations and control emergency operations from the building's control room or electrical room. Position indicators, direction lights and intervenes can be installed on this panel if requested. Additional features can also be accommodated where possible.