GE
Security

The **intelligent elevator controller and data gathering panel (DGP)** extends the Alliance system's access control and security functions. Allowing up to four readers per elevator, it adds intelligence to elevator operation while increasing the total number of elevators on the system.

The elevator controller operates in real time mode with distributed intelligence. If there is a communication failure between the DGP and the control panel, the intelligent elevator controller will function as normal with no degradation in performance or response times of card reading, alarm activation, or logic events of devices or programs associated with each controller.

A total of 12 intelligent 4-elevator controllers can be connected to an Alliance panel. Global antipassback (hard or soft) is supported across these additional 48 elevator cars.

The intelligent elevator controller monitors the status of the doors (open or closed) and access to floors, as well as handles forced door and door open too long (DOTL) events, with variable shunting times for physically challenged users.

The intelligent elevator controller enables PIN-plus card badging for high security applications and accepts privileged cards to override antipassback and disabled readers. It also supports dual custody, where two cards are required to gain access. The DGP can be programmed to count the number of users gaining access to specific elevator cars within the building.

The intelligent elevator controller has 16 two- or four-state monitored inputs on board. By default they are assigned to DOTL, request to exit (RTE), contacts, and a spare input for each elevator car, but they can also be reprogrammed as regular alarm inputs. It also supports up to 48 customized macros for advanced access and intrusion design. Each macro can be programmed to include up to four input events and one output event. System-wide relay programming is also facilitated through macros.

Each intelligent elevator controller may control up to four cars on its local data bus. Wiegand and magstripe card readers may be connected to the local data bus through the AL-1170 Wiegand interface, or directly to the elevator controller through one of its four on-board interfaces (one interface for each car.)
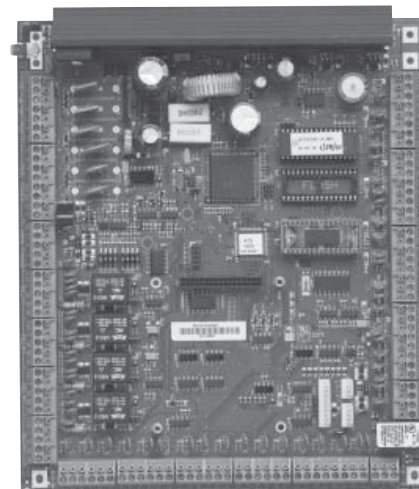
The elevator controller with standard memory configuration accepts multiple reader formats, including HID and smart card readers, Wiegand and Indala 26 and 27 bits, and the Alliance system magstripe.

Features

- Real-time alarm and access control on four elevator cars
- Full mirror database for offline condition
- Up to 12 intelligent controllers and 48 access control elevator cars per Alliance System control panel
- Global antipassback
- Request-to-exit support for each elevator car
- Area control
- User counter, interlocking, card + PIN, 3X badging
- 16 alarm inputs on board
- 4 reader inputs with built-in interface
- Local RS-485 bus for up to four readers per car with in/out configurations
- Supports wide range of third-party readers, including Wiegand
- 4 relays on board for lock control
- Up to 48 freely programmable outputs using macro logic equations

AL-1265
Alliance intelligent elevator controller

Specifications

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Europe
tel 32-2-725-11-20
fax 32-2-721-86-13

Latin America
tel 305-593-4301
fax 305-267-4300

System capacity
• Maximum 240 devices on Alliance system (32 maximum per DGP)

Physical
• Distance from panel: Up to 5,000 ft. (1,500 m)
• Length of local bus: 5,000 ft.

Environmental
• Operating temperature: 32 to 122°F (0 to 50°C)

Electrical
• Auxiliary power supply, AL-1265: 12 VDC/3 A
• Dynamic battery testing
• Batteries: Up to 2 with 17.2 Ah each
• Transformer: 120 VAC at 60 Hz/24 to 100 VAC

Capacity and inputs/outputs
• Cardholders: 11,466; expandable to 65,535 with intelligent user module (IUM)
• PIN codes: 50; expandable to 1,000 with IUM
• Door groups: 10; expandable to 128 with IUM
• Time zones/holidays: 24/24
• Zones: 16 (free programmable inputs)
• Relays on board: 4, expandable to 16 with AL-1813 relay expansion card
• Up to 48 output events programmable with macro logic equations

• Continuous data bus monitoring for offline conditions of all devices on bus
• Individual addressing with DIP switches
• 1MB RAM expansion (standard)
• 4MB and 8MB RAM expansion optional – must match control panel

Card formats
• HID and Smart Card Reader
• Wiegand and Indala 26 and 27 bits
• Alliance system magstripe
• Any Wiegand format up to 48 bits with IUM

Regulatory
• FCC
• UL: UL294, UL365, UL609, UL1610, UL1635

System control panel

System Control Panel

Memory expansion module (available for some panels)

Embedded alarms

Zone input expansion modules

Relay output expansion modules

All control panels will manage 16 RAS devices, 15 DGP addresses, and 255 outputs, while the number of inputs varies per panel.

RS-485 system data bus

Embedded: Up to four elevators per DGP with each elevator controlling up to 64 floor relays up to 150 floor relays per DGP

4-Elevator Controller DGP AL-1265

Memory expansion module (must match panel)
Embedded: 1-amp siren
Embedded: 4 programmable relay outputs

AL-1813 (8 outputs) or AL-1810 (4 outputs) relay output expansion module

Controller DGP
Each 4-Elevator Controller adds up to four elevators to the system up to 48 elevators with 12 4-elevator controllers.
Note: Controller DGPs take more than one DGP address.

Note: See the specifications of individual components for details.

Ordering information
AL-1265 Intelligent elevator controller and data gathering panel, no enclosure, 3 A, 1 MB
AL-1682 Large metal housing, 21.1 in. H x 14.6 in. W x 5.0 in. D (536 x 371 x 127 mm), 13.84 lb. (6.28 kg)
AL-1680 Large metal housing, UL listed, 21.4 in. H x 14.9 in. W x 4.8 in. D (544 x 379 x 122 mm), 17.64 lb. (8.0 kg)
AL-1672 Transformer, 18 V, 100 VA, Class I
AL-1831 4MB RAM memory expansion (optional; must match control panel)
AL-1832 8MB RAM memory expansion (optional; must match control panel)