



AL-1255 Intelligent 4-Door Controller

Intelligent access control for expandability and flexibility

Overview

The Alliance System AL-1255 Intelligent 4-Door Controller extends the system's access control functions. Allowing up to four readers per door, it adds intelligence to those doors while increasing the total number of doors on the system.

Communications

The AL-1255 operates in real time mode with distributed intelligence. In the event of a communication failure between the AL-1255 and the control panel, the Intelligent 4-Door Controller will continue to 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.

Connectivity

A total of 12 AL-1255 Controllers can be connected to an Alliance System panel. Global anti-passback (hard or soft) is supported across the system's up-to 48 doors.

Programming Features

The AL-1255 monitors the status of the doors (open or closed), the status of the door locks (locked or unlocked) and handles forced door and door-open-too-long (DOTL) events, with variable shunting times for physically challenged users.

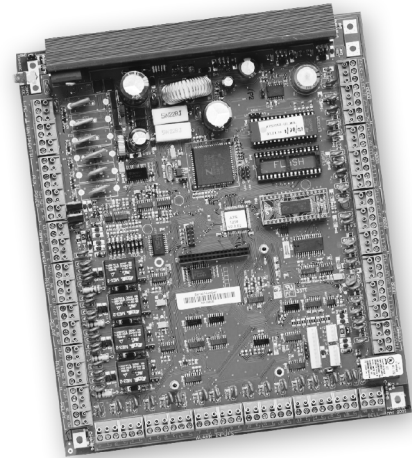
The Intelligent 4-Door Controller enables PIN plus card badging for high security applications, allows all doors to be interlocked with any or all doors on the system and accepts privileged cards to override anti-passback and disabled readers. It also supports dual-custody, where two different cards are required to gain access. The AL-1255 can be programmed to count the number of users entering and leaving specific areas within the building.

Zone Inputs

The AL-1255 has 16 four-state monitored inputs on board. By default they are assigned to DOTL, request-to-exit (RTE), and door contacts for each door, but they can also be reprogrammed as regular alarm inputs.

Reader Connectivity

Each Intelligent 4-Door Controller is capable of connecting up to four Wiegand format or Magstripe card readers using the four on-board interfaces and may control a total of 16 Alliance System smart card readers, LCD remote arming stations (RAS), or AL-1170 RAS reader interfaces on a sub-data bus.



AL-1255

Standard Features

- Real time alarm and access control on four doors
- Full mirror database for offline condition
- Up to 12 intelligent controllers and 48 access-control doors per Alliance System control panel
- Global anti-passback
- Area control
- User counter, interlocking, card + PIN, 3X badging
- 16 alarm inputs on board
- 4 reader inputs with built-in interface
- Local RS485 bus for up to 16 readers
- Supports wide range of third party readers
- 4 relays on board for lock control
- Up to 48 freely programmable outputs using macro logic equations

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Specifications

Physical and Environmental

- Distance from panel: up to 5,000'
- Length of local bus: 5,000'
- Operating temperature: 32° F to 122° F
- UL/FCC: UL294, UL365, UL609, UL1610, UL1635

Capacity and Inputs/Outputs

- Cardholders: 11,466 (expandable to 65,535 with IUM)
- PIN codes: 50 (expandable to 1,000) dependent on panel memory options
- Door groups: 10 (expandable to 128) dependent on panel memory options
- Time zones/holidays: 24/24
- Zones: 16 (free programmable inputs)
- Relays on-board: 4
- Continuous data bus monitoring for off-line conditions of all devices on bus
- Individual addressing with DIP switches

Power Supply

- Power supply: 12 VDC/25 mA
- Dynamic battery testing
- Transformer: 120 VAC - 60 Hz/24 - 100 VA AC

Card Formats

The Intelligent 4-Door Controller with standard memory configuration accepts multiple reader formats, including but not limited to Wiegand and Indala 26 and 27 bits, and the Alliance System Magstripe. When Intelligent User Modules (IUM) are employed, the access control system can use any Wiegand format up to 48 bits in length.

Outputs

The AL-1255 has four on-board relays for lock control and is capable of expanding to 48 outputs, all freely programmable through macro logic equations.

Batteries

The AL-1255 has connections for two batteries with up to 17.2 Ah each.

Ordering Information

Part Number	Main Product Offering
AL-1255	Intelligent 4-Door Controller
AL-1682	Large metal housing
AL-1680	Large metal housing, UL approved
AL-1690	Transformer, 24V, 100VA, Class I (fits AL-1682 and AL-1680 housings)



GE Security

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Mailing Address

12345 SW Leveton Dr.
Tualatin, OR 97062
tel 503-692-4052

Americas

800-547-2556
(US & Canada)

technical service

tel 800-648-7424
fax 800-483-2495

Asia

tel 852-2907-8108
fax 852-2142-5063

Australia

tel 61-3-9259-4700
fax 61-3-9259-4799

Europe

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

Latin America

tel 305-269-4023
fax 305-267-4300