

Overview

GE's Alliance AL-3017 control panel consolidates access control, intrusion alarm, video surveillance, and communications in one platform. Combined with modular hardware, distributed intelligence, and powerful software, an Alliance security platform can be scaled for any application.

With 16 LCDs or keypads, 8 alarm inputs, and 8 partitions on-board, an Alliance control panel provides the cost-efficiency of two systems in one. Cardholders enjoy the convenience of one-card operations, using the same card action to open doors while disarming areas (or locking doors while rearming areas). This core panel capability can be enhanced with Data Gathering Panels (DGPs) for wireless intrusion, addressable intrusion, advanced access control, elevator control, and more. Up to 15 DGPs may be added to each system via a modular RS-485 data bus. Multiple Alliance control panels may be linked together into a single system, further expanding Alliance's capabilities.

All Alliance panels are capable of reporting alarms and other programmed events in a variety of formats: SIA, XSIA, CID. Each panel can be connected to a LAN/WAN with the optional AL-1806 TCP/IP interface with encrypted connections for alarm reporting. Local annunciation and detailed reporting are also available, by user selected schedules and areas, so that security professionals can install custom alarm management systems for every client.

Each Alliance control panel is modular and can be expanded to 64 zone inputs and 255 outputs so that the size can be scaled for custom applications. Up to 24 macro logic equations can be programmed to trigger various output activities, from local annunciation or event-log reporting to dialing any of four central stations.

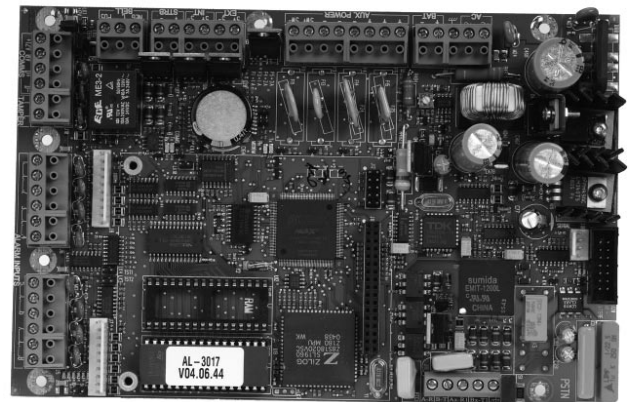
The Alliance panels' 2-state and 4-state analog inputs allow monitoring of end-of-line resistance values at 1.5K, 2K, 2.2K, 3.3K, 3.7K, 4.7K, 5.6K, 6.8K, 10K ohms. The panel, combined with Alliance software diagnostic routines, can measure voltage and current supplied to all devices on the RS-485 data bus. With onboard communications, this allows maintenance, diagnostics, and troubleshooting from remote locations, reducing the cost and inconvenience of onsite maintenance or service visits.

Features

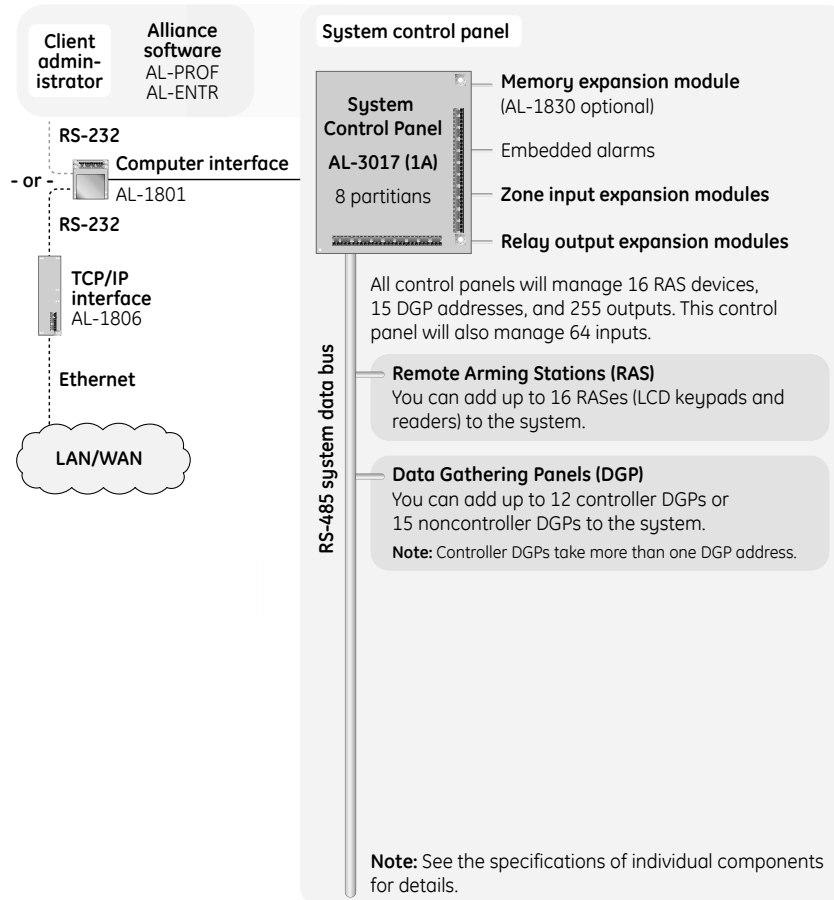
- Integrated alarm and access control for up to 64 zones, 8 areas, and 28 doors
- Modular RS-485 data bus with continuous polling of up to 16 readers/keypads and 15 data gathering panels
- Integrated intrusion alarm and access control system
- Up to 16 remote arming stations (keypad or reader) onboard
- Built-in dialer for monitoring or for remote system management
- Up to 64 zone inputs and 12 doors with use of expansion modules
- Up to 255 freely programmable outputs
- 15 data gathering panels on data bus for expanding system capacity, adding capability, and increasing flexibility of system architecture
- Optional interfaces for TCP/IP or PC connections
- Logs 2,000 alarm and access events onboard
- Expandable memory options

AL-3017

Alliance control panel



System Block Diagram



Specifications

System features

System partitions/areas	8
Inputs on board (zones)	8
Max. system inputs (zones)	64
Outputs on board (relays)	Exterior siren, interior siren, strobe, one programmable relay
Max. system outputs (relays)	255
Door control on master control panel	Yes
Auxiliary power	12 VDC / 300 mA
Supports access control	Yes (requires AL-1256)
Supports elevator control	Yes (requires AL-1265)
Max. access control readers	12 (when using AL-1256)
Global anti-passback	Yes (requires AL-1256)
Memory expansion	1 MB
Software management	Via RS-232
Remote site management via software	Dialup/LAN
Installer software management	Yes (4-hr timed programming connection)
TCP/IP support	Yes (requires AL-1801 or AL-1806)
Built-in dialer	Yes
Communications bus	RS-485

System capacity

Users	50 (expandable to 11,466)
Alarm groups	138
Door groups	128
Floor groups	64
Alarm log	1,000
Access log	1,000
Installer log	10

Physical and environmental

Operating temperature	32 to 122°F (0 to 50°C)
Dimensions	8.0 x 8.63 in. (202 x 220 mm)
Regulatory Listings	UL 294, UL 609, UL 365, UL 1610, UL 1635; FCC Part 68; FCC Part 15B Class B

Ordering Information

AL-3017	System Control Panel, 8 Areas, 16 RAS Readers, 64 Inputs, 1A, No Enclosure, 1MB
AL-1681	Metal universal mounting plate, medium, UL
AL-1684	Metal enclosure, medium, UL
AL-1691	Transformer 24V, 50VA Class II
AL-1801	Serial PC communications port
AL-1806	TCP/IP universal network interface
AL-1206	8-zone plug-in expansion module
AL-1810	4-relay expansion module
AL-1813	8-relay expansion module
AL-1830	1MB memory expansion chip
AL-SYS-E	AL-3017 Kit; Includes: (1) AL-3017 System Control Panel; (1) AL-1684 Metal Enclosure; (1) AL-1691 Transformer; (1) AL-1111 LCD Keypad, 4-Line

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