GE
Security

Overview

Alliance Data Gathering Panels (DGPs) are used to expand the number of zone inputs on the system, allowing users to set up inputs and relay outputs at locations away from the panel. DGPs communicate with poll-and-reply messages and send alarms to the control panel for processing.

The AL-1205 includes eight standard inputs and a siren driver. This standard configuration can be expanded to 32 inputs and 16 outputs. The AL-1210 has similar features but does not come with an integrated power supply. The AL-1220 offers four inputs.

If a communications failure occurs, the data gathering panel remembers the last alarm in a system, helping to identify possible reasons for faults. Up to 15 DGPs can be connected directly to each control panel at up to 5,000 feet (1,500 m) distance.

For every DGP expanded to more than 16 inputs, the total number of data gathering panels in a system is reduced by one. If a system has all its data gathering panels fully expanded to 32 inputs, the total number of DGPs in a system becomes eight.
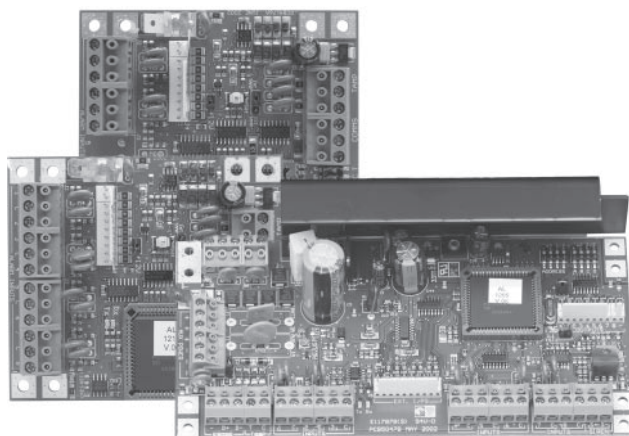
Alliance DGPs and other expansion modules can be mounted in Alliance metal housings. Multiple or alternate configurations are available with the addition of universal mounting plates inside the housings.

Features

- 4 or 8 zone inputs on board
- Expandable to 32 inputs
- Expandable to 8 relay outputs using optional relay cards—up to 16 outputs on the AL-1205
- 1 siren output
- Switched mode power supply

AL-1205/AL-1210 /AL-1220

Alliance data gathering panels

System Block Diagram

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

AL-1205
AL-1210
AL-1220

Data Gathering Panels
Feature 4 or 8 zone inputs and one siren output on board (expandable to 32 inputs and 16 outputs).

Note: See the specifications of individual components for details.
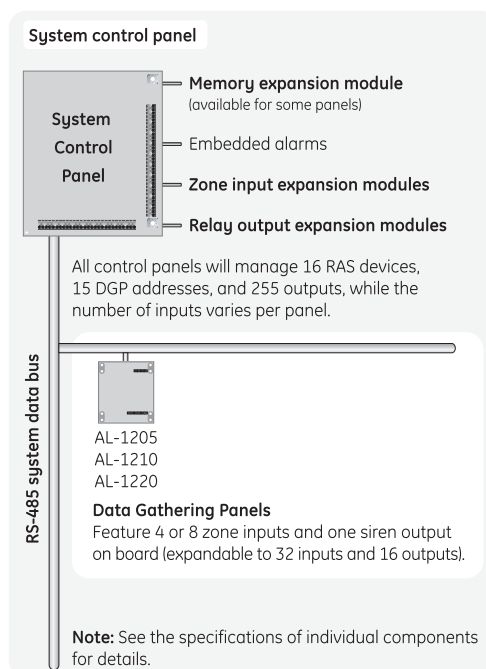
Specifications

	AL-1205	AL-1210/AL-1220
Power supply output	12 VAC/250 mA	Panel bus (9 to 14 VDC)
Current consumption	75 mA	53 mA
Transformer input	60 VAC - 50 VA	-
Transformer output	12 VAC	-
Inputs	8 to 32	8 (AL-1210), 4 (AL-1220)
Sounder output	Siren (12 VDC) or programmable tone (15 W max.)	No siren output
Maximum outputs	16	16
Maximum number per panel	15	15
Dynamic battery testing	Yes	-
Max. distance from panel	5,000 ft. (1,500 m)	5,000 ft. (1,500 m)
Data bus monitoring	Yes	Yes
PCB dimensions	6.87 x 3.53 in. (175 x 90 mm)	3.53 x 3.14 in. (90 x 80 mm)
Enclosure	12.36 x 17.46 x 3.33 in. (314 x 444 x 85 mm)	-
Environmental	Operating temperature: 32 to 122°F (0 to 50°C)	
Regulatory	UL/FCC, UL294, UL365, UL609, UL1610, UL1635	

Note: AL-1211 is the same as AL-1210, shipped with small metal enclosure, dimensions 6.51 x 4.94 x 1.45 in. (165 x 126 x 37 mm)

Ordering information

AL-1205	8-input data gathering panel with integral power supply, UL listed
AL-1210	8-input data gathering panel, UL listed
AL-1211	8-input data gathering panel with steel housing and opening tamper sensors, UL listed
AL-1220	4-input data gathering panel, UL listed
AL-1206	8-zone plug-In expansion module, UL listed
AL-1810	4-way relay module, Form C
AL-1813	8-relay expansion module, Form C
AL-1812	Relay interface module, set of 4
AL-SYS-C	DGP Zone Expansion Kit, includes: (1) AL-1205 8-Input DGP; (1) AL-1206 8-Zone Plug-In Expansion Module; (1) AL-1684 Metal Enclosure; (1) AL-1692 Transformer

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