



Data Gathering Panels (DGP) and Expanders

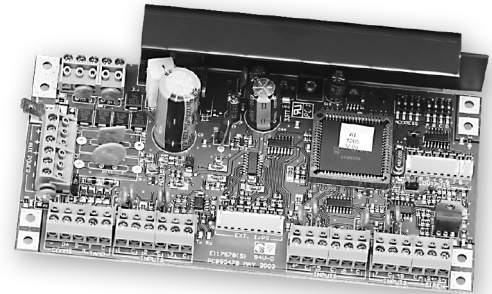
Modular components expand your system

Overview

Alliance System Data Gathering Panels (DGP) are used to expand the number of inputs on the system, and they allow you to setup inputs and relays at locations away from the panel. DGPs communicate with poll-and-reply messages and send alarms to the AL-4017 control panel for processing. The AL-1205 includes 8 standard inputs, and a siren driver. This standard configuration can be expanded to up to 32 inputs and 16 outputs.

In the event that 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 Alliance System AL-4017 control panel at up to 5,000' distance.

For every data gathering panel expanded to more than 16 inputs, the total number of DGPs 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.



AL-1205

Standard Features

- 8 inputs on board
- Expandable to 32 inputs
- Expandable to 16 Open Collector (OC) outputs or to 16 relays (using optional relay cards)
- 1 siren output
- Switched mode power supply
- Steel enclosure available

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Specifications

AL-1205 DGP

Power

- Power supply output: 12 VAC/250 mA
- Current consumption: 120 mA
- Transformer input: 120 VAC - 50 Hz/ 160 VAC - 50 VA AC
- Transformer output: 12 VAC

Physical and Environmental

- Inputs: 8 to 32
- Sounder output: siren (12 VDC) or programmable tone (15 watt max)
- Maximum outputs: 16
- Dynamic battery testing
- Maximum number per panel: 15
- Maximum distance from panel: 5,000'
- Data bus monitoring
- PCB dimensions: 6.87" x 3.53" (L x W)
- Enclosure: 12.36" x 17.46" x 3.33" (L x W x D)
- Operating temperature: 32° F to 122° F
- Regulatory UL/FCC, UL294, UL365, UL609, UL1610, UL1635

AL-1206 Expander Module

Power

- Power supply: panel bus (9 to 14 VDC)
- Current consumption: 10 mA

Physical and Environmental

- Inputs: 8
- No siren output
- Maximum outputs: 0
- Maximum number per panel: 3 per AL-1205
- Maximum distance from panel: 5,000'
- PCB dimensions: 3.14" x 1.96" (L x W)
- No enclosure
- Operating temperature: 32° F to 122° F
- Regulatory UL/FCC, UL294, UL365, UL609, UL1610, UL1635

AL-1210 DGP/ AL-1211 DGP/ AL-1220 DGP

Power

- Power supply: panel bus (9 to 14 VDC)
- Current consumption: 53 mA

Physical and Environmental

- Inputs: 4 (AL-1220)
- Inputs: 8 (AL-1210/AL-1211)
- No siren output
- Maximum outputs: 8
- Maximum number per panel: 15
- Maximum distance from panel: 5,000'
- Data bus monitoring
- PCB dimensions: 3.53" x 3.14" (L x W)
- Enclosure (AL-1211): 6.51" x 4.94" x 1.45" (L x W x D)
- Operating temperature: 32° F to 122° F
- Regulatory UL/FCC, UL294, UL365, UL609, UL1610, UL1635

Ordering Information

Part Number	Main Product Offering
AL-1205 (UL)	8-input DGP with integral power supply
AL-1206 (UL)	8-input expander module, no outputs
AL-1210 (UL)	8-input DGP, no power supply
AL-1211 (UL)	8-input DGP with steel housing and opening tamper sensors
AL-1220 (UL)	4-input DGP
AL-1810	4-way relay module, Form C
AL-1813	8 relay expansion module, Form C
AL-1812	Relay interface module, set of four



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