

Overview

Connect a variety of wireless sensors to your Alliance system through the AL-1231 Wireless DGP. Wireless motion sensors, glass-break detectors, key fobs, and other devices extend the capabilities of alliance and allow easier installations, even in adverse outdoor conditions.

Expand your Alliance system with up to 32 zones using the AL-1231 Wireless data gathering panel (DGP) for wireless motion sensors, glassbreak detectors, key fobs, panic buttons, and more.

Wireless sensors eliminate conditions that impeded traditional sensor installations. Installers save by spending less money on wiring and conduit materials and less time wiring worksites. Avoid the need to run additional wire through inadequate crawl spaces or concrete walls and floors, dig trenches to bring wire to outbuildings, or remove roof tiles. If poorly placed, a sensor can be moved during system test without rewiring. Learn Mode, which is activated with the press of a button, simplifies sensor programming.

Wireless passive infrared detection is highly sensitive to moving infrared sources while offering increased immunity to RFI, vibration, static, stray light, rapid temperature changes, and other false alarm sources.

A wireless repeater gives installers even more flexibility by extending the communications range between the DGP and its sensors. The repeater can be used to avoid obstruction of a sensor's signal.

End users can enjoy the convenience of using a wireless two-button or four-button key fob with programmable buttons to arm and disarm the system. Buttons can also be programmed to activate relays.

Security is assured with system warnings for low batteries in the sensors, alarms when RF jamming is detected, and a built-in tamper switch on the DGP.

An Alliance system control panel communicates with up to any 15 Alliance Data Gathering panels, including the AL-1231 wireless DGP set for 16 zones. If a wireless DGP is set to 32 zones, it uses two DGP addresses on the system data bus. A maximum of seven fully expanded (32 zone) AL-1231 wireless DGPs may be connected to an Alliance system control panel.

Features

- Expands an Alliance panel with 16 to 32 wireless zones
- Wireless receiver communicates with sensors transmitting from up to 1100 feet (335 m) away
- Learn-mode button automatically detects and programs the sensors
- Warnings are reported for low battery life
- Alarms are sounded to protect against RF jamming

AL-1231

Alliance Wireless Data Gathering Panel (DGP)



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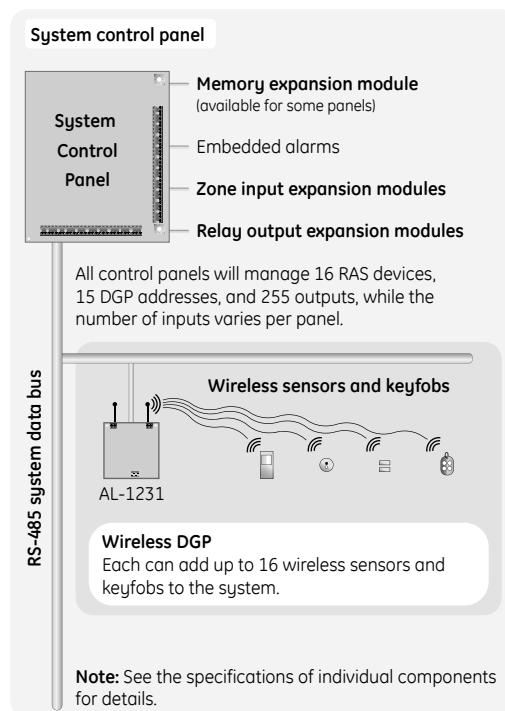
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System Block Diagram



Specifications

System capacity and operations	Up to 15 AL-1231 wireless DGPs set to 16 zones each Up to 7 AL-1231 wireless DGPs set to 32 zones each Distance of sensors from AL-1231: Up to 1,100 ft. (335 m) Transmission band: 319.5 MHz Wireless signal range: Nominal—up to 1,500 ft. (457 m); open air—up to 2,000 ft. (610 m) Tamper magnet included Addressing: DIP switch
Electrical	System firmware version: AL-40xx.04.05.10 or higher Power supplied from Alliance data bus or remote auxiliary power supply Input voltage: 10.5 to 13.8 VDC Operating current: 30 mA
Physical and environmental	Dimensions (HxWxD, includes antenna): 13.16 x 4.0 x 1.0 in. (334 x 102 x 25 mm) Operating temperature: 32 to 140°F (0 to 60°C) Relative humidity: 90%, noncondensing
Regulatory	FCC: part 15 class B UL: 294, 609, 365, 1610, 1635

Ordering information

AL-1231	Alliance wireless data gathering panel (DGP)
Some UL test devices that support the wireless DGP:	
60-707-0195R	Wireless SAW 2-button keychain touchpad
60-670-95R	Wireless SAW door/window sensor
60-639-95R	Wireless SAW PIR motion sensor
60-741-95	Wireless recessed micro door/window sensor
60-873-95	Wireless ShatterPro glassbreak sensor
60-578-10-95	Wireless water-resistant pendant panic sensor



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