

Paradox Digiplex Security System



High Security and Access Control System

Digiplex offers high security in a system that's sophisticated yet easy to use. Its exclusive GuardWall technology brings security system integrity to a level never thought possible.

GuardWall Technology

A security system's integrity relies not only on the performance of its modules (i.e. keypads, motion detectors, accessories), but also on its ability to communicate information to and from the control panel through the system's wiring.

GuardWall technology uses a specialized encrypted communication protocol to efficiently communicate data between the control panel and all its modules simultaneously and at all times. Even when there are no occurrences in the system, data is continuously transmitted between the control panel and all its modules. This means that any attempt to tamper with or disable any module or the system's wiring will immediately be recognized. Unlike Digiplex, conventional systems communicate only when something happens and use a simple on/off method of communication.

System Components

The basic system consists of a Control Panel with an AC power supply and battery backup, one or two Entry Keypads, a Siren and several Motion Sensors. Other devices can be added such as Smoke and Fire sensors, Door and Window contacts, Glass Break Detectors etc. can be added.

The system can be wired in a daisy-chain configuration where each device is connected in parallel and set to a different address. Alternatively wiring can be "home run" from each device to the Control Panel. In the second case you might need to add an APR3-ZX8, eight zone expander board.

Programming

The system is programmed by Alectro Systems using a computer with WinLoad software. This can be done either at the customer site, or over the telephone line. There is a vast number of programming options including user codes, partitioning, delays, dialing options, alarm options etc. They are far too numerous to mention here, however when we supply your system, you will be given a complete list.

Control Panels

Main Features

- Access control (32 doors, 16 schedules and more)
- Arming and disarming with an access control card
- Remote adjustment of motion detector sensitivity
- CTR-21 approved dialer
- 1.7A switching power supply (patent-pending)
- Ultra-fast response on fully loaded system due to high-speed communication and 32MHz processing
- Supports WinLoad Security System Management Software



Digiplex and DigiplexNE

	DGP-848	DGP-NE96
Addressable zones	48	96
Partitions	4	8
User codes	96	999
Event buffer	1024	2048
On-board PGM outputs	2 (+3 optional)	3

APR3-ZX8 Eight Zone Expander Board

This module adds another eight hard wire zones to the Digiplex Control Panel.



Features

- 4 addressable zones (8 with ATZ zone doubling feature)
- Set a different input speed for each zone (up to 255 minutes), which is ideal for temperature monitoring applications.
- Use zone input as an anti-tamper switch input

Addressable Digital Motion Detectors

Fully software-driven, true 100% digital motion detection completely converts, amplifies and processes the sensor's low-level signal in the digital domain without any analogue circuitry (no saturation or noise). Connected directly to the 4-wire communication network, Digiplex motion detectors add zones to the system without requiring additional modules and provide sabotage-proof protection through an encrypted communication protocol (GuardWall technology) without using EOL resistors.



Main Features

- * 100% Digital Motion Detection (no analogue circuitry)
- * No jumpers. Remote programming through keypad or WinLoad software
- * Digital SHIELD™ algorithm software
- * Digital Auto Pulse Signal Processing†
- * Metal shield minimizes EMI and RFI interference
- * PIRs with a DGP- prefix are compatible with Digiplex only. PIRs with a DGP2- prefix will be compatible with both Digiplex and DigiplexNE

DGP2-60

Addressable Digital Motion Detector

- Digital Dual Edge Processing
- Dual Opposed Digital Detection
- Interlock Sensor Geometry†
- 100° viewing angle
- 40ft (12m) x 40ft (12m)

DGP2-70

Addressable High-Security Digital Motion Detector

- Dual optics (2 dual opposed element sensors)
- Pet-friendly lens pattern
- Immune to pets weighing up to 90lbs (41kg)
- 90° viewing angle
- 35ft (11m) x 35ft (11m)

Entry Keypads

Digiplex and DigiplexNE keypads combine stylish looks with superior ease of use. Large buttons, clear status lights and one-touch functions make these keypads easy and convenient to use. Simple has never looked this good!

Main Features

- GuardWall technology (connect anywhere on the 4-wire communication network)
- Assign each keypad to one or more partitions
- 1 on-board addressable zone input
- Key-selected chime zones (per keypad/per zone)
- One-touch action buttons
- 3 keypad-activated panic alarms
- Adjustable keypad backlight
- 1 on-board PGM output (50mA)

DGP2-641BL

LCD Keypad

DGP2-641BL/RB



- 32-character LCD screen
- Programmable messages
- Adjustable backlight, contrast and scroll speed
- Compatible with Digiplex and DigiplexNE
- Upload/download programming with Memory Key

