VISTA-128B

ADEMCO's VISTA-128B is an eight-partition, UL/CUL Commercial Burglary Control Platform that supports up to 128 zones using basic hardwired, polling loop, and wireless zones. It also includes zones for supervision of bells, keypads, RF receivers, and relays. In addition, the control offers scheduling capabilities and allows certain operations to be automated by pressing a single button. The system has the capability to interface with an ECP Long Range Radio unit that can send Contact ID messages and an alphanumeric paging device. When connected to ADEMCO's PassPoint system (via the Vista Gateway Module), the VISTA-128B provides a fully integrated security and access control system.

Commercial Burglary/CCTV and Access Control Platform

Applications
The VISTA-128B is well suited for a variety of applications as a burglary control and is supported by a diverse line of ADEMCO initiating devices. Some of the applications supported are medical and professional buildings, supermarkets, churches or synagogues, office buildings, schools, universities, strip malls, larger residences and factory or warehouse environments.

Installation
The VISTA-128B has been designed to mount quickly and easily and meets all applicable requirements for UL/CUL-Commercial Burglary installations. Use the Vista-ULKT kit when an attack resistant enclosure is required.

FEATURES:

- Provides nine style-B hardwired zones
- Supports up to 119 additional zones using a built-in polling (multiplex) loop interface
- Can control up to eight separate partitions independently, each functioning as if it had its own separate control
- Accommodates 150 user codes with seven authority levels
- Supports up to 128 wireless zones using a 5881 type RF receiver (fewer if using hardwired and/or polling loop zones)
- Supports the 5817CB Wireless Commercial Transmitter
- Supports the 5869 Wireless Commercial Burglary Hold-up switch
- Supports the 5881ENHC Wireless Commercial receiver

- Accommodates 32 keypad macro commands per system
- Keeps a log of up to 512 events
- Supports up to 16 two-wire smoke detectors on zone 1
- Supports up to 50 latching-type glassbreak detectors on zone 8
- Integrates with PassPoint access control to provide increased users, event log, and scheduling
- Supports _VPLEX_ addressable VistaKey access control (up to 8 doors)
- Easily programmed and maintained using Compass Windows-based downloader
- Supports the ADEMCO 4286 VIP Module

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Additional Features

Basic Hardwired Zones

Provides nine style-B hardwired zones with the following characteristics:

- EOLR supervision (optional for zones 2-8) supporting N.O. or N.C. sensors (EOLR supervision required for fire and UL burglary installations)
- Individually assignable to one of eight partitions
- Up to 16 two-wire smoke detectors on zone 1
- Four-wire smoke or heat detectors on zones 1-8 (power to four-wire smoke detectors must be supervised with an EOL device)
- Up to 50 two-wire latching glassbreak detectors on zone 8

Polling Loop Expansion

Supports up to 119 additional zones using a built-in polling (multiplex) loop interface. Current draw can total up to 128mA. Polling loop zones have the following characteristics:

- Must use RPM (Remote Point Module) devices
- Supervised by control panel
- Individually assignable to one of eight partitions

Wireless Expansion

Supports up to 128 wireless zones using 5881 type RF receiver (fewer if using hardwire and/or polling loop zones). Wireless zones have the following characteristics:

- Supervised by control panel for check-in signals (except certain non-supervised transmitters)
- Tamper protection for supervised transmitters
- Individually assignable to one of eight partitions

Scheduling

Provides the following scheduling capabilities:

- Open/close schedules (for control of arming/disarming and reporting)
- Holiday schedules (allows different time windows for open/close schedules)

- Timed events (for activation of relays, auto-bypassing and unbypassing, auto-arming and disarming, etc.)
- Access schedules (for limiting system access to users by time)
- End User Output Programming Mode (provides 20 timers for relay control)

Eight Partitions

Provides the ability to control eight separate areas independently, each functioning as if it had its own separate control. Partitioning features include:

- A Common Lobby partition (1-8), which can be programmed to arm automatically when the last partition that shares the common lobby is armed and to disarm when the first partition that shares the common lobby is disarmed
- A Master partition (9), used strictly to assign keypads for the purpose of viewing the status of all eight partitions at the same time (master keypads)
- All zones assignable to one of eight partitions
- Keypads assignable to one of eight partitions or to master partition 9 to view system status
- Ability to assign relays to one or all eight partitions
- Ability to display fire and/or burglary and panic and/or trouble conditions at all other partitions' keypads (selectable option)
- Certain system options selectable for each partition, such as entry/exit delay and subscriber account number

User Codes

Accommodates 150 user codes, all of which can operate any or all partitions. Certain characteristics must be assigned to each user code, which are as follows:

- Authority level (Master, Manager, or several other Operator levels) in each partition
- Opening/Closing central station reporting option
- What partitions the code can operate
- Global arming capability (ability to arm all partitions the code has access to in one command)
- Use of an RF (button) to arm and disarm the system (RF key must first be enrolled into the system)

Peripheral Devices

Supports up to 31 peripheral devices, which can be any combination of keypads (6139/6160), RF receivers (5881), relay modules (4204/4204CF), and 4286 VIP Module.

At least one two-line alpha keypad (6139/6160) must be connected to the system for programming (if using keypad programming) and must remain connected to the system in order to allow the primary user to program additional user codes into the system at a later time.

Keypad Macros

Accommodates 32 keypad macro commands per system (each macro is a series of keypad commands). For example, by pressing either the A, B, C, or D key, the system can be programmed to log onto another partition, bypass Zones 2 and 3, and arm that partition in the AWAY mode. Characteristics of keypad macros are:

- Assignable to the A, B, and C keys by partition
- Other macros, (not assigned to these keys) executed by using the D key
- Each macro can be 32 characters (keystrokes) in length

Optional Output Relays

Accommodates the use of 96 relay outputs using ADEMCO's 4204, 4204CF Relay Modules and 4101SN *VPLEX* Relay Module. Each 4204 module provides four Form C relays for general purpose use. Each 4204CF provides two style-Y supervised bell outputs. Relay outputs have the following characteristics:

- Can be programmed to activate in response to system events
- Can be programmed to activate using time intervals
- Can be used for style-Y supervised bell outputs (4204CF only)
- Can be activated manually using the #70 Relay Command Mode
- Can be supervised by control panel (zones 601-632)
- Can each have an alpha descriptor assigned to it

Optional Vista Interactive Phone Module

Supports the ADEMCO 4286 VIP Module. This permits access to the security system from a touch tone telephone to do the following:

- Obtain system status information
- Arm and disarm security system
- Control relays

Optional Keyswitch

Supports the ADEMCO 4146 Keyswitch on any one of the system's eight partitions. If used, zone 7 is no longer available as a protection zone.

Voltage Triggers

Provides a trigger connector whose pins change state for different conditions. Used with LRR (Long Range Radio) equipment or other devices such as a remote keypad sounder, keyswitch ARMED and READY LEDs, or a printer to print the system's event log.

Event Log

Keeps a log of different event types (enabled in programming). The event log has the following characteristics:
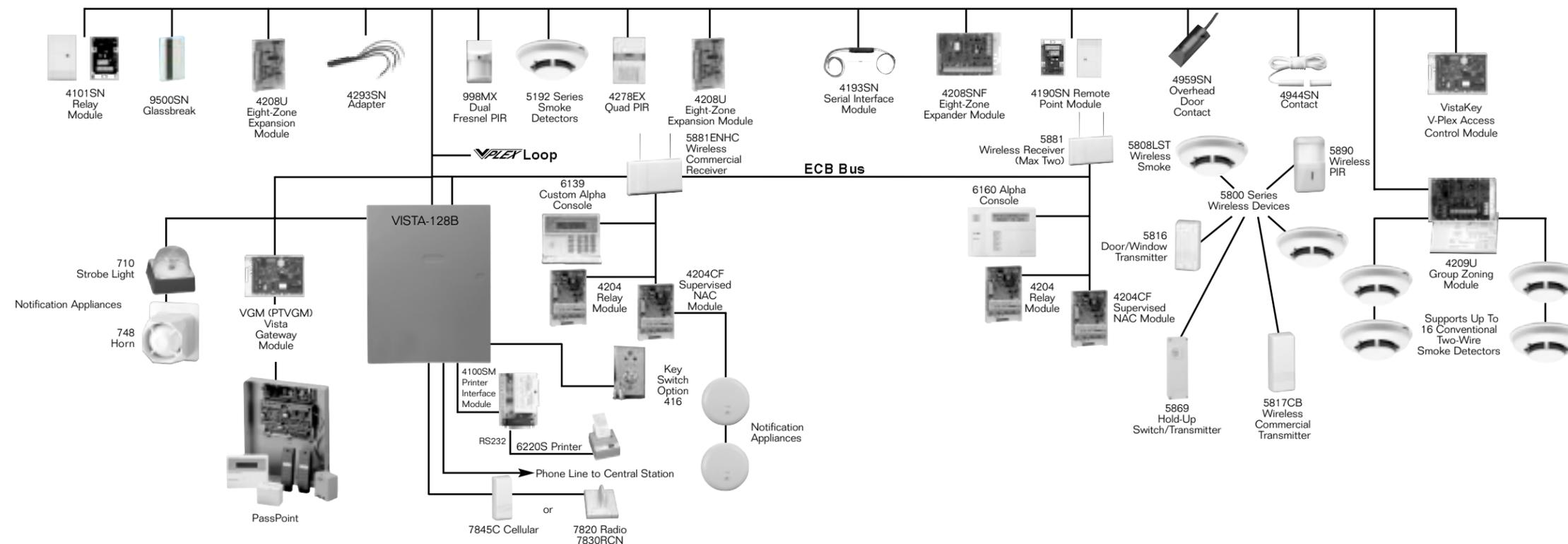
- Stores up to 512 events
- Can be viewed at the keypad or through the use of Compass software
- Can be printed on a serial printer using a 4100SM Module including zone alpha descriptors
- Events can be sent to an alpha numeric pager, by event category

Cross-Zoning Capability

Helps prevent false alarms by preventing burglary zones from going into alarm unless its cross-zone is also faulted within five minutes.

Exit Error False Alarm Prevention Feature

- System can tell the difference between a regular alarm and an alarm caused by leaving an entry/exit door open. If not subsequently disarmed, faulted E/E zone (s) and/or interior zones will be bypassed and the system will arm
- Generates an Exit Error report by user and by zone so the central station knows it was an exit alarm and who caused it

4101SN Relay Module · 9500SN Glassbreak · 4208U Eight-Zone Expansion Module · 4293SN Adapter · 998MX Dual Fresnel PIR · 5192 Series Smoke Detectors · 4278EX Quad PIR · 4208U Eight-Zone Expansion Module · 5881ENHC Wireless Commercial Receiver · 4193SN Serial Interface Module · 4208SNF Eight-Zone Expander Module · 4190SN Remote Point Module · 5881 Wireless Receiver (Max Two) · 4959SN Overhead Door Contact · 4944SN Contact · 5808LST Wireless Smoke · 5800 Series Wireless Devices · 5890 Wireless PIR · VistaKey V-Plex Access Control Module

VPLEX Loop · ECB Bus

6139 Custom Alpha Console · 6160 Alpha Console · 5816 Door/Window Transmitter · 4209U Group Zoning Module · Supports Up To 16 Conventional Two-Wire Smoke Detectors

710 Strobe Light · Notification Appliances · 748 Horn · VGM (PTVGM) Vista Gateway Module · VISTA-128B · 4204 Relay Module · 4204CF Supervised NAC Module · 4204 Relay Module · 4204CF Supervised NAC Module · 5869 Hold-Up Switch/Transmitter · 5817CB Wireless Commercial Transmitter

4100SM Printer Interface Module · Key Switch Option 416 · Notification Appliances

PassPoint · RS232 · 6220S Printer · Phone Line to Central Station · or · 7845C Cellular · 7820 Radio 7830RCN

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Communication Formats
Supports the following formats for the primary and secondary central station receivers:
- ADEMCO Low Speed (Standard or Expanded)
- ADEMCO High Speed
- ADEMCO Contact ID
- Sescoa/Radionics
- Long Range Radio interface (ECP)
- ADEMCO Express

Improved Downloading Features
- Uploads and downloads at 300 baud, making upload/download speed faster
- Ability to upload peripheral devices, their physical addresses, programmed addresses, and firmware revision levels from the control

CCTV: Switcher Module
- VistaView100

Access Control:
- VistaKey *VPLEX* (addressable) Access Control Module
- VistaKey-SK Starter Kit (Canada use VistaKey CNSK)
- VistaKey-EX Expansion Kit
- VGM Vista Gateway Module to PassPoint Access Control (Northern Computers) supports up to 32 doors

Agency Listings
- UL609 Grade A Local Mercantile Premises and Mercantile Safe and Vault*
- UL611/UL1610 Grades A, AA Central Station*
- UL365 Grades A, AA Police Connect*
- UL985 Household Fire*
- California State Fire Marshall (CSFM)
- CUL Household Fire/Burglary, and also Commercial Burglary
- UL1023 Household Burglary

* Requires Vista-ULKT Attack Resistant Enclosure

SPECIFICATIONS:

Physical:
14-1/2" W X 18" H X 4.3" D

Electrical:
- Voltage Input: From ADEMCO No. 1361 Plug-In Transformer (use 1361CN in Canada) or 4300 transformer (for X-10 installations) rated 16.5VAC, 40 VA (For Canada use 1361CN transformer w/PSC04 for X-10 installations)
- Alarm Sounder Output: 10VDC-13.8VDC, 1.7 amps max., (UL1023, UL609 installations); 750mA less aux. current draw (UL985 installations)
- Auxiliary Power Output: 9.6VDC-13.8VDC, 750mA max. For UL installations, the accessories connected to the output must be UL Listed, and rated to operate in the above voltage range
- Backup Battery: 12VDC, 4AH or 7AH gel cell. YUASA NP4-12 (12V, 4AH) or NP7-12 (12V, 7AH) recommended
- Standby Time: 4 hours min. with 750 mA aux. load using 7 AH battery
- Circuit Protectors: PTC circuit breakers are used on battery input to protect against reverse battery connections and on alarm sounder output to protect against wiring faults (shorts). A solid state circuit breaker is used on auxiliary power output to protect against wiring faults (shorts)

Digital Communicator
- Formats Supported: ADEMCO High Speed, ADEMCO 4 + 2 Express, ADEMCO Low Speed, ADEMCO Contact ID, Sescoa and Radionics Low Speed

Line Seize: Double Pole

Ringer Equivalence: 0.7B

FCC Registration No.: AC398U-68192-AL-E
IC Industry Canada

6139 Remote Keypads/6160 Alpha Keypad
- Physical:
  – Width: 6.25 inches
  – Height 4.75 inches
  – Depth: 1.25 inches
- Electrical:
  – Voltage Input: 12VDC
  – Current Drain: 100 mA
- Interface Wiring:
  – RED: 12VDC input (+) auxiliary power
  – BLUE: Not used
  – GREEN: Data to control panel
  – YELLOW: Data from control panel
  – BLACK: Ground and (-) connection from supplemental power supply

Optional Equipment:
See ADEMCO Group control accessories compatibility chart for complete list.
- 4100APG Alpha Paging
- 7845C AlarmNet Control Channel Cellular Radio
- 7820 Long Range Radio (7830RCN in Canada)
- 4286 VIP Module
- 5881 RF Receivers
- Powerline carrier devices
- 6220S Serial Printer

ORDERING:

Part No.	Description
VISTA-128B	Commercial Partitioned Burglary Alarm Control Platform
VISTA-128CN (In Canada)	

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L/V128BCN/D Rev. 3/02