ADEMCO GROUP — COMMERCIAL SYSTEMS DIVISION

INTEGRATED SYSTEMS FOR COMMERCIAL APPLICATION

Key Features	VISTA 20SEUL	5110XM	5120XM	VISTA-40	VISTA-50P/ VISTA-50PUL	VISTA-100	VISTA-100-24	VISTA 128FB	VISTA 128FB-24
Applications	🔺	🔥	🔥🔺	🔺	🔥	🔥🔺	🔥🔺	🔥🔺	🔥🔺
System Capacity									
Maximum Zone/Points Capacity	38	5	5	64	86	87	87	128	128
Partitions	2	1	1	2	8	8	8	8	8
User Codes	30	6	7	70	75	128	128	150	150
Authority Levels	1	1	1	7	7	7	7	7	7
System Management & Control									
Keypads	4	4	4	16	16	16	16	16	16
Interactive Phone Support	●	○	○	●	●	●	●	●	●
Master Console	○	○	○	○	●	●	●	●	●
Printer Support	○	○	○	○	●	●	●	●	●
Scheduling	○	—	○	○	●	●	●	●	●
Global Arming	○	—	—	●	●	●	●	●	●
Access Door Control Relays	●	○	○	●	●	●	●	●	●
Keyswitch Arming	—	—	○	●	●	●	●	●	●
Logged Events	48	—	—	100	224	224	224	224	224
Configurable Output Relays	8	0	0	8	16	16	16	32	32
Installation Technologies									
Hardwired									
Standard Hardwired Zones	8	5	5	9	9	8	8	8	8
Two-Wire Smoke Detectors Supported	16	16	16	16	16	32	32	32	32
V-Plex Polling Loop									
Two-Wire V-Plex - Standard	○	○	○	●	●	●	●	●	●
Optional V-Plex Loop Isolation	—	—	—	●	●	●	●	●	●
Standard V-Plex Loop Distance	—	—	—	4,000 ft	4,000 ft	4,000 ft	4,000 ft	4,000 ft	4,000 ft
Maximum Expanded Loop Distance	—	—	—	8,800 ft	8,800 ft	8,800 ft	8,800 ft	8,800 ft	8,800 ft
Serial Number Device Support	—	—	—	●	●	●	●	●	●
QED Compatible Wireless									
Wireless Capable	●	○	○	●	●	●	●	●	●
Wireless UL Comm. Smoke Detectors	○	○	○	○	○	●	●	●	●
Other									
Powerline Carrier Support	●	○	○	●	●	○	○	○	○
False Alarm Prevention Features									
Exit Error Logic	●	○	●	○	●	●	●	●	●
Exit Delay Reset	○	○	○	○	●	●	●	●	●
Cross Zoning	○	○	○	○	●	●	●	●	●
Alarm Verification - Fire	●	●	●	○	○	●	●	●	●
Common Lobby Logic	●	—	—	○	●	●	●	●	●
Keypad Macros	○	—	○	○	●	●	●	●	●
Regulatory Agency Approvals									
UL 864 - NFPA 72 Local Fire	○	●	●	—	—	●	●	Pending	Pending
UL 864 - NFPA 72 Remote Station Fire	○	●	●	—	—	●	●	Pending	Pending
UL 864 - NFPA 72 Central Station Fire	○	●	●	—	—	●	●	Pending	Pending
UL 609 Grade A Local Mercantile Premises and Safe and Vault	●	○	●	●[1]	●[1]/●	●	●	Pending	Pending
UL 611/UL 1610 Central Station	●	○	●	●[1]	●[1]/●	●	●	Pending	Pending
UL 365 Police Connect	●	○	●	●[1]	●[1]/●	●	●	Pending	Pending
CSFM (California State Fire Marshall)	—	●	●	●	●	●	●	Pending	Pending
Factory Mutual	—	●	●	—	—	●	●	Pending	Pending
MEA (formerly BSA)	○	●	●	○	○	●	●	Pending	Pending
Supervised Notification Circuits — Std.	0	1	1	—	—	2	2	2	2
Commercial Temporal Code 3	●	●	●	●	●	●	●	Pending	Pending
Automatic Smoke Detector Testing	—	○	○	—	—	●	●	●	●
Other Features									
Downloadable - Standard	●	●	●	●	●	●	●	●	●
12V Power (amps)	0.7	1.0	1.0	2.8	2.8	2.3	2.3	2.3	2.3
24V Power (amps)	—	—	1.7	—	—	—	3.4	—	3.4
Major Communications Formats	●	●	●	●	●	●	●	●	●

APPLICATIONS KEY:
🔺 Commercial Intrusion Detection and Critical Equipment Supervision
🔥 Commercial Fire including Sprinkler Supervision, Waterflow and Automatic Fire

FEATURE KEY:
● Feature
○ Not Supported
— Not Applicable

1. UL commercial approval for VISTA-10SE, VISTA-20HW, VISTA-40 or VISTA-50P requires VISTA-ULKT Upgrade Kit. VISTA-50PUL Kit also available for UL commercial applications.

2. VISTA-100 is MEA approved for hardwire and V-Plex installation, MEA approval of 5808 wireless commercial smoke detector use in New York City is pending.

3. QED programming for quick enrollment of wireless devices is supported on VISTA-20SEUL, VISTA-40, VISTA-50P/50PUL, VISTA-100/100-24 and VISTA-128FB/128FB-24 controls.

SYSTEM CAPACITY

Maximum Zone/Point Capacity - indicates the total number of alarm sensors which can be monitored by the control panel.

Partitions - provides the ability to control separate areas independently, each as if it had its own separate control.

User Codes - indicates the total number of unique codes which can be assigned to individuals who operate the system.

Authority Levels - provides the ability for different users in a partition to have different levels of authority to operate the system. The number of authority levels indicates the number of different levels of privileges that can be assigned.

SYSTEM MANAGEMENT & CONTROL

Keypads - provide a convenient way to interact with the system. Keypads can be used for programming, service, arming, disarming, and many other functions.

Interactive Phone Support - permits access to the security system from any touch-tone telephone to obtain system status information, arm and disarm security system, and control relays.

Master Console - displays status of all partitions at a glance reducing confusion.

Printer Support - allows the attachment of a printer to print system activity & events.

Scheduling - simplifies end user operation by automating system functions.

Global Arming - allows arming of multiple partitions via simple keypad commands.

Access Door Control Relay - operates an electric lock on a door using keypad entry.

Keyswitch Arming - allows user to arm and disarm system using simple keyswitch.

Logged Events - allows recent system events to be viewed, printed, or uploaded.

Configurable Output Relays - can be used by the system to control and interface with other equipment and devices.

INSTALLATION TECHNOLOGIES
HARDWIRE:

Standard Hardwired Zones - indicates the number of alarm zones which can be monitored by the control panel in it's basic configuration (without expansion).

Two-Wire Smoke Detectors Supported - allows the use of smokes which receive power and send alarm over only two wires.

TWO-WIRE V-PLEX POLLING LOOP

Two-Wire V-Plex - Standard - allows expansion of basic system using built in polling loop capability. The polling loop provides both power and data to each intelligent sensor which it constantly monitors for alarm or trouble conditions. V-Plex wiring can be installed as a single loop, in a star configuration, T-tapped, or any combination using a single pair of wires.

Optional V-Plex Loop Isolation - protects one group of V-Plex devices from another. If the wiring for one group of devices is damaged the other group will continue to function. Typical use is separation of fire and burglary sensors to protect fire system operation in event of damage to the burglary devices or wiring. This can allow a single system to be used for both fire and burglary protection and provide a substantial cost savings.

Standard V-Plex Loop Distance - indicates maximum length of all combined V-Plex wiring that can be supported by basic system. NOTE: Shielded wire is not required, but if used reduces this length by half. This maximum combined total length is supported for any wire gauge.

FALSE ALARM PREVENTION FEATURES

Exit Error Logic - alerts the user and allows for correction in the event an exit door is left open while keeping the remaining protection points armed; a unique report is sent to the central station.

Exit Delay Reset - allows for user re-entry without causing an alarm.

Cross Zoning - requires combination of zones/points to fault before alarm sounds. Used to avoid sensitive trigger reactions.

Alarm Verification - will double-check an alarm condition before sounding.

Common Lobby Logic - Prevents a common area from being armed without all other areas being armed first.

Keypad Macros - allows simplified keypad commands to control complex events.

However, max distance between panel and last sensor on a given wire run is:

Wire Gauge	Maximum Length
#22	650 feet
#20	950 feet
#18	1500 feet
#16	2400 feet

Maximum Expanded Loop Distance - indicates how far maximum combined V-Plex wiring length can be expanded using a polling loop extender module. See NOTE above for maximum distance between extender module and last sensor.

Serial Number Device Support - indicates sensors pre-programmed with a unique address (or serial number) can be used on a system. These devices save installation time and errors by eliminating the need to program a unique device into each sensor.

WIRELESS

Wireless Support - system can support wireless devices which reduce cost by eliminating wiring. Also allows use of wireless keys and other devices for user convenience. Requires wireless receiver.

Wireless Comm. Smoke Detectors - allows use of wireless smoke detectors in compliance with NFPA 72 requirements eliminating wire and saving cost.

QED Programming - Programming method for quick enrollment of wireless devices.

OTHER

Power line Carrier Support - eliminates wiring by allowing system to communicate with and control devices through existing 110VAC electrical circuits in a building.

OTHER FEATURES

Downloadable - Standard - basic system has all features required for downloading.

12V Power - indicates the total current available to power 12V external devices.

24V Power - indicates the total current available to power 24V external devices.

Major Communications Formats - indicates standard model of this system supports major communications formats circuits in a building.

REGULATORY AGENCY APPROVALS

Regulatory agency approvals are intended to ensure a system that protects life and property is manufactured, installed and operated in a manner that optimizes the ability of the system to perform.

UL 864 Listed Commercial Fire - indicates system meets manufacturing and design requirements as a commercial fire system.

NFPA 72 Local - system is approved as a Local Fire Alarm to provide an audible and/or visual means of alerting occupants of a building that there is a fire. The local alarm does not transmit a signal to the local fire department or to a central station.

NFPA 72 Remote Station - system is approved for use as a remote signaling system which is composed of supervised fire alarm systems in protected buildings. In this case they are connected to a fire station, police station or municipal building to a panel which is manned 24 hours a day by trained personnel. The connection is usually a leased pair of telephone wires which run directly from a premise to the station. Also called direct connect.

NFPA 72 Central Station - system is approved to protect a premise from fire threat by transmitting signals to a central station. Central station systems differ from the Remote systems. The central station personnel are responsible for providing the signaling service, and, in some cases to inspect, maintain and respond to signals from the protected premises. The means of getting the signal from the premises to the central station can vary. Receiving sig-

nals is a central station's business; to a municipality, it is a limited service.

UL 609 Grade A Local Mercantile Premises and Mercantile Safe and Vault - system approved to protect a mercantile establishment requiring a certified system for protection of the premise, safe, or vault.

UL 611/UL 1610 Grades A, AA Central Station - system approved for use as a certified burglary protection system where monitoring by a central station is desired.

UL 365 Grade A, AA Police Connect - system approved for use as a certified burglary protection system where monitoring by a municipality will be used.

CSFM (California State Fire Marshall) - system approved for use as a commercial fire system in California.

FM (Factory Mutual) - system meets standard which can sometimes be pre-requisite for business insurance or operations of sprinkler waterflow.

MEA (formerly BSA) - system meets requirements for use in NY city area. Notification Appliance Circuits Std - system has standard circuits to activate notification devices in response to alarm.

July 1996 Temporal Code - rings bells as required by this new code.

Automatic Smoke Detector Testing - functional testing, from the keypad, of all multiplex smoke detectors in automatic sequence. Results stored in the log, printed on-site or downloaded to a central station.

VISTA-128FB adds support of real-time calibrated smoke detector testing.