VISTA-100

The VISTA-100 is a Commercial Fire and Burglary Alarm Control interfacing with Access Control to provide complete protection of life and property. The Vista-100 now features Keypad programmable function testing for its V-Plex™ (addressable) commercial photoelectric detectors. The alarm control offers eight partitions in a UL Listed Commercial Fire and Burglary control panel supporting up to 87 zones/points using hardwired, compatible wireless devices and V-Plex (addressable) technologies. It also supports initiating and notification circuits, digital dialers, keypads, RF receivers and relays. In addition, the control supports scheduling capabilities. Defined operations can be automated by pressing a single keypad button to enable user defined macros. The VISTA-100 is available in 12V and 24V models.

Key Features
◆ Eight zones standard expandable to 87 zones/points
◆ Eight partitions
◆ 150 user codes, 224 event log capacity
◆ Two on-board notification (bell) circuits delivering 2.3A at 12V or 3.4A at 24V (optional)
◆ Supports in excess of 1,000 two-wire smoke detectors
◆ Seven authority levels
◆ Temporal Code Compliant
◆ Supports UL268 Listed commercial wireless smoke detectors
◆ Supervised dialer circuit
◆ Event logging storage, printing and retrieval
◆ Automatic scheduling features
◆ Easily programmed and maintained through Compass Windows™ based software
◆ Programmable auxiliary Form C relay
◆ Hardwired, wireless and V-Plex (addressable) technology
◆ Uses existing wiring for retrofit applications

VISTA-100 Flexible Fire/Security Combination Control Panel! Integrated Systems can incorporate commercial wireless, addressable and conventional wiring!

Mechanical:
Cabinet dimensions:
◆ 18"H X 14.5"W X 4.3"D

Environmental:
Storage temp:
◆ -10°C to 70°C
Operating temp:
◆ 0°C to 50°C
Humidity:
◆ 85% RH
EMI:
◆ Meets or exceeds the following requirements:
◆ FCC Part 15, Class B Device
◆ FCC Part 68
◆ IEC EMC Directive

Agency Listings
Burglary:
◆ UL609 Grade A Local Mercantile Premises and Mercantile Safe and Vault
◆ UL611/1610 Grades A, AA, Central Station
◆ UL365 Grades A, AA Police Connect
Fire:
◆ UL864/NFPA72 Local, Central Station and Remote Station
◆ Factory Mutual (Pending)
◆ California State Fire Marshal
◆ MEA
◆ UL985

VISTA-100

ADDITIONAL FEATURES

- Notification Appliance Circuits (Two)
  — Programmable
  — Temporal code compliant
  — Individually silenceable
- Programmable on-board auxiliary relay
- SIA false alarm reduction features:
  — Exit error logic
  — Exit delay reset
  — Cross zoning
  — Call waiting defeat
  — Recent close report
- Supports hardwired, V-Plex (addressable) polling loop and wireless zones
- Hardwired zones
  — Provides eight style B hardwired zones
  — EOLR supervised for Fire and UL burglary installations
  — Supports N.O or N.C. sensors
  — Individually assignable to one or all eight partitions
  — Up to 16 two-wire smoke detectors on zones one and two (32 total)
  — Four-wire smoke or heat detectors on zones one to eight
  — Up to 50 two-wire glass break detectors on zone eight

- Patented V-Plex (addressable) polling loop technology
  — Supports up to 120 two-wire multiplex zones/points
  — Can use existing wiring
  — Global polling technology for faster processing
  — Increased current draw capacity (128mA)
  — Individually assignable to partitions, notification circuit (bell) output or aux relay
  — 4,000 ft capability without the use of shielded cable
  — Extender/Isolation bus module
  — Two-wire smoke detector zone/group expansion module adds two or four zones
  — Eight zone - Class A and B extender module
  — Eight zone - Class B extender module
  — One zone supervised contact monitor module
- UL Listed wireless smoke detector expansion
  — Supports up to 87 wireless zones using 5881 receiver
  — Supervised by control for check-in signals
  — Tamper protection for transmitters
  — Individually assignable up to eight partitions
  — Supports UL864/NFPA listed/complaint wireless smoke detectors
- Scheduled uploading of events to central station

APPLICATIONS

The VISTA-100 control is well suited for a variety of applications as an integrated fire and burglary control. A diverse line of ADEMCO initiating and control devices supports this extremely powerful control. Some of the applications supported are: medical and professional buildings, supermarkets, churches or synagogues, office buildings, schools, universities, strip malls, and factory or warehouse environments.

INSTALLATION

The VISTA-100 alarm system has been designed to mount both quickly and easily in an attack resistant cabinet. It meets all applicable requirements for UL commercial Fire and Burglary installations and is NFPA72 compliant.

SPECIFICATIONS

Electrical:

Primary power:
— 120VAC to ADEMCO No. 1451 Transformer Secondary rated 18VAC, 72VA

Quiescent current draw:
— 350mA

Backup battery:
— 12VDC, 12AH min to 34.4AH max
— Lead acid battery (gel type)

Alarm power:
— 12VDC, 1.7A max for each notification (bell) circuit output

Backup battery:
— 12VDC, 12AH min to 34.4AH max
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Alarm power:
— 12VDC, 1.7A max for each notification (bell) circuit output

Aux¹ standby pwr:
— 12VDC, 1A max

Total power:
— 2.3A at 12VDC, 3.4A at 24VDC from all sources

Standby time:
— 24 hours with 1A standby load or 60 hours with 205mA max standby load using 34.4AH battery

Fusing:
— Battery input, aux. and notification (bell) circuit outputs are protected using PTC circuit protectors. All outputs are power limited.
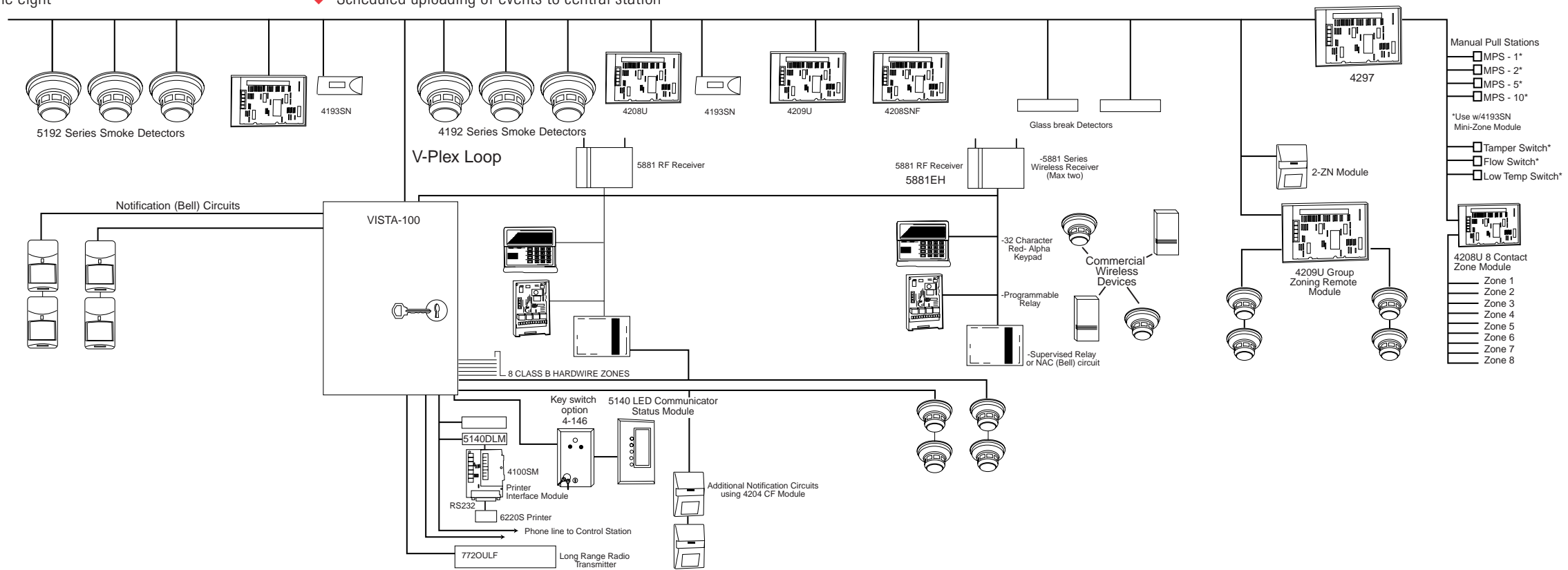
Main Dialer:

Line seize:
— Double Pole

Ringer equiv¹:
— 0.7B

Formats:
— ADEMCO Low Speed, ADEMCO 4+2 Express, ADEMCO High Speed, ADEMCO Contact ID, Sescoa and Radionics

5192 Series Smoke Detectors · 4193SN · 4192 Series Smoke Detectors · 4208U · 4193SN · 4209U · 4208SNF · Glass break Detectors · 4297

V-Plex Loop · 5881 RF Receiver · 5881 RF Receiver 5881EH · -5881 Series Wireless Receiver (Max two)

Manual Pull Stations
- MPS - 1*
- MPS - 2*
- MPS - 5*
- MPS - 10*

*Use w/4193SN Mini-Zone Module
- Tamper Switch*
- Flow Switch*
- Low Temp Switch*

2-ZN Module

Notification (Bell) Circuits · VISTA-100 · -32 Character Red- Alpha Keypad · Commercial Wireless Devices · 4209U Group Zoning Remote Module

-Programmable Relay · -Supervised Relay or NAC (Bell) circuit

8 CLASS B HARDWIRE ZONES

4208U 8 Contact Zone Module
- Zone 1
- Zone 2
- Zone 3
- Zone 4
- Zone 5
- Zone 6
- Zone 7
- Zone 8

Key switch option 4-146 · 5140 LED Communicator Status Module

5140DLM · 4100SM Printer Interface Module · RS232 · 6220S Printer · Phone line to Control Station

Additional Notification Circuits using 4204 CF Module

772OULF · Long Range Radio Transmitter

VISTA-100

COMPATIBLE DEVICES

See ADEMCO Group control accessories compatibility chart for complete list

Auxiliary devices:
- 6139R - red alpha keypad/anninciator
- 5140DLM - backup dialer module
- 5140LED - LED annunciator module
- 4204 - relay module, four form C contacts
- 4204CF - two supervised output circuits
- 5881EH - RF receiver supporting 5800 wireless detectors
- 6220S - system printer used with 4100SM serial module

Two-wire smoke detectors conventional:
- 2100 Series Photoelectric
- 2400 Series Photoelectric
- 1100 Series Ionization

Four-wire smoke detectors conventional:
- 2112/24 Series Photoelectric
- 1412 Series Ionization

Horn/Strobes:
- System Sensor Notification Appliances

Manual pull stations:
- 5140MPS Series
- MPS-5

V-Plex (addressable) devices:
- 4208U Loop Expansion Module - eight zones
- 4101SN Single Relay/zone module
- 4209U Group Zoning Module - two/four zones
- 4190WH Remote Point Module - two zones
- 4193SN Two Zone Serial Interface Module
- 4293SN One Zone Serial Interface Module
- 4208SNF Eight Zone/2 Class A/6 Class B Expander module
- 4297 Isolation/Extender Module

V-Plex (addressable) Smoke Detectors:
- 4192 Series
- 5192 Series

Passive infrared detectors:
- 998MX
- 4275EX
- 4287EX-SN

V-Plex (addressable) Contacts:
- 4194WH
- 4939SN
- 4944SN
- 4959SN

Glass break detectors:
- 7500
- 9500

Optional 24V power supply
- PS24 - 24V power supply - 3.4A

Long range radio:
- 7720 - Long range radio

Software:
- Compass Downloader - Windows compatible

Wireless devices:
- 5804BD - Bi-directional key
- 5808 - Wireless smoke detector
- 5808C - Wireless smoke detector without sounder
- 5809 - Wireless heat detector
- 5816 - Door/window transmitter
- 5804 - Wireless key
- 5827BD - Bi-directional keypad
- 5890 - PIR
- 5849 - Glass break detector
- 5819 - Shock sensor

Ordering Information

Part No.	Description
VISTA-100	Commercial Fire and Partitioned Burglary Alarm Control
VISTA-100-24	Commercial Fire and Partitioned Burglary Alarm Control 24V Model

ADEMCO GROUP COMMERCIAL SYSTEMS DIVISION