

## VISTA-100

### Commercial Fire and Burglary Alarm Control System

## VISTA-100: Redefining the Standards

**T**he VISTA-100 is redefining the standards for life and property protection. A powerful integrated fire and burglary control delivers sheer innovation by incorporating ADEMCO's proven hybrid system technology while simplifying end user operation in even the most demanding applications.

The alarm control offers eight-partitions in a UL listed Commercial Fire and Burglary control panel supporting up to 87 zones using hardwired, QED compatible wireless and V-Plex technologies. It also accommodates indicating circuits, digital dialers, keypads, RF receivers and relays.

In addition, the control supports scheduling capabilities and allows defined operations to be automated by pressing a single keypad button. The VISTA-100 is available in 12V and 24V models.



*When it comes to life and property protection ADEMCO continually strives for excellence.*

With its advanced standard feature sets, this powerful, integrated fire and burglary control is as easy to install as it is to use. Higher processing power and improved system reliability mean fewer false alarms.

#### Key Features:

- ◆ Eight zones standard
- ◆ Expandable to 87 zones
- ◆ Hardwired, wireless and V-Plex technology
- ◆ 128 user codes
- ◆ Eight partitions
- ◆ 224 event log capacity
- ◆ Seven authority levels
- ◆ Temporal Code Compliant
- ◆ Two bell outputs
- ◆ Auxiliary Form "C" relay
- ◆ Supervised Dialer Circuit
- ◆ Supports major communication formats
- ◆ Seven trigger outputs
- ◆ UL commercial fire and burglary listed
- ◆ Available in 12V and 24V versions

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## ADDITIONAL FEATURES

- Two notification appliance bell outputs and on board aux. relay
- Hybrid system technology
  - Supports hardwired, V-Plex 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 zone 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 polling loop technology:
  - Supports up to 79 two-wire multiplex zones/points
  - Global polling technology
  - Increased current draw capacity (128mA)
  - Supervised by panel

- Individually assignable to one of eight partitions
- Individually assignable to bell outputs or aux. relay
- Processes status eight times faster than conventional mux systems
- Twice the power capacity over competitors systems
- 4,000 ft capability without the use of shielded or twisted cable
- Wireless Expansion:
  - Supports up to 87 wireless zones using 5881EH receiver
  - Supervised by control for check-in signals
  - Tamper protection for transmitters
  - Individually assignable up to eight partitions
  - Supports UL864 listed/NFPA approved wireless smoke detectors

## APPLICATIONS

The VISTA-100 control is well suited for a variety of applications as a mid sized integrated fire and burglary control. A diverse line of ADEMCO alarm notification appliances, as well as initiating devices, support this

extremely powerful control platform. Some of the applications supported are strip malls, medical and professional buildings, supermarkets, church or synagogue, office building, schools, universities 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.

## SPECIFICATIONS

**Electrical:**

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

### Backup battery:

- 12VDC, 12AH min to 34.4AH max
- Lead acid battery (gel type)

**Alarm power:**

- 12VDC, 1.7A max for each bell output
- Aux. standby power: 12VDC, 1A max

**Total power:**

- 2.3A 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 bell outputs are protected using PTC circuit protectors.
- All outputs are power limited.

**Main dialer:**

Line seize:

- Double Pole

**Ringer equivalent.:**

- 0.7B

### Formats:

- ADEMCO Low Speed, ADEMCO 4+2 Express, ADEMCO High Speed, ADEMCO Contact ID, SESCOA and Radionics

### Mechanical:

### Cabinet Dimensions:

- 18"H X 14.5"W X 4.3"D

### Environmental:

**Storage Temp:**

- $-10^{\circ}\text{C}$  to  $70^{\circ}\text{C}$

Operating Temp:

- 0°C to 50°C

### Humidity:

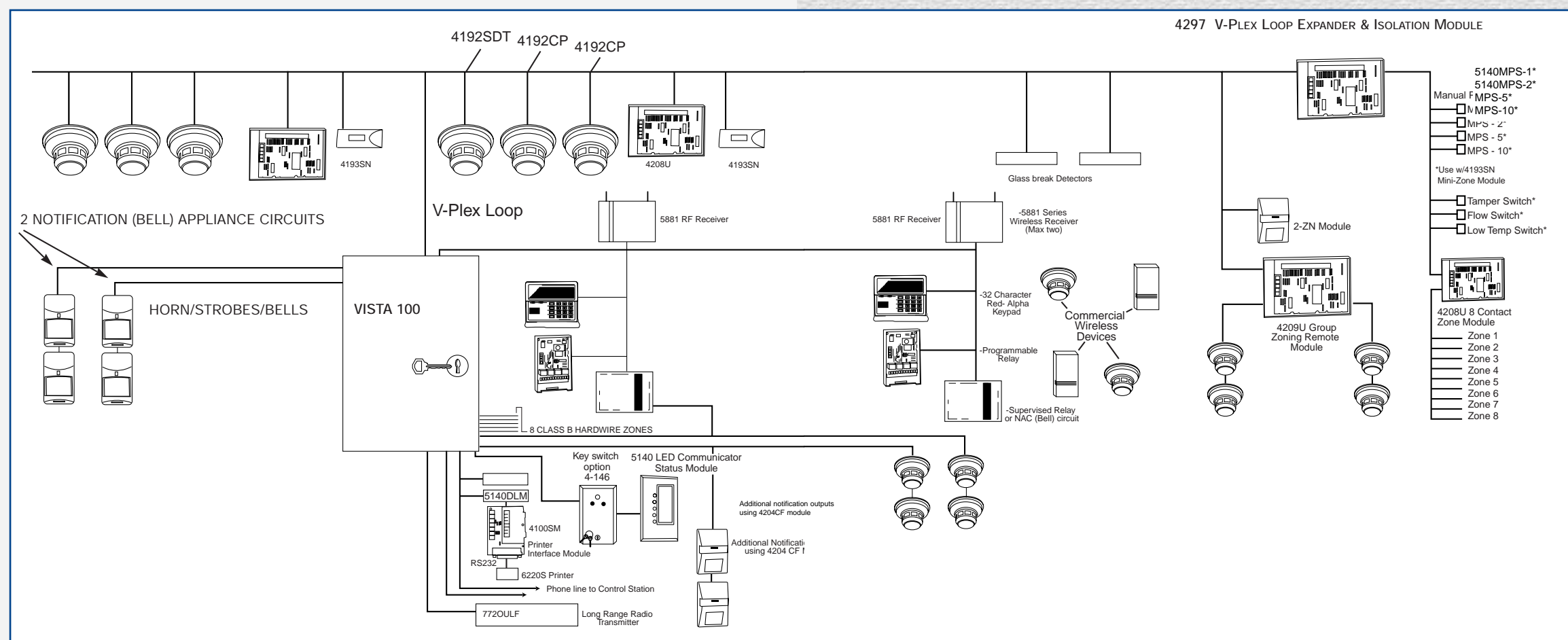
- 85% RH

**EMI:**

- Meets or exceeds the following requirements:
  - FCC Part 15, Class B device
  - FCC Part 68
  - IEC EMC directive

## AGENCY LISTINGS

The VISTA-100 has been approved for use in fire and burglary applications. It has been listed under the following agency approvals:







An ADEMCO Group Company

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### 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
- California State Fire Marshall
- MEA

## COMPATIBLE DEVICES

### Auxiliary Devices:

- 6139R - Red alpha keypad
- 5140DLM - Backup dialer module
- 5140LED - LED annunciator module
- 4204 - Relay module
- 4204CF - Relay module
- 5881EH - RF receiver supporting 5800 wireless detectors
- 6220S - System Printer used w/4100SM serial module

### Two-Wire Smoke Detectors:

- 2100 Series Photoelectric
- 2400 Series Photoelectric
- 1100 Series Ionization

### Four-Wire Smoke Detectors:

- 2112/24 Series Photoelectric
- 1412 Series Ionization

### Horn/Strobes:

- HS121575
- HS241575
- H1224
- S121575
- S241575

### Manual Pull Stations:

- 5140MPS Series, MPS-5, MPS-10

### V-Plex Devices:

- 4208U Loop Expansion Module
- 4209U Group Zoning Module
- 4190WH Remote Point Module
- 4193SN Two Zone Serial Interface Module
- 4293SN One Zone Serial Interface Module
- 4297 Isolation Extender Module

### Smoke Detectors:

- 4192 Series, 5192 Series

### Passive Infrared Detectors:

- 4192 998MX, 4275EX, 4287EX-SN

### Contacts:

- 4194WH, 4939SN, 4944SN, 4959SN

### Glass Break Detectors:

- 7500, 9500

### VISTA Interactive Phone Module:

- 4285 VIP Module

### Optional 24V Power Supply:

- PS24 - 24V Power Supply

### Long Range Radio:

- 7720 - Long Range Radio

### Software:

- Compass Downloader - Windows Compatible
- V-Link - DOS Downloader

### Wireless Devices (for used with QED control panels only):

- 5804BD - Bi-directional Key
- 5808 - Wireless Smoke Detector
- 5816 - Door/Window Transmitter
- 5804 - Transmission Module
- 5827BD - Bi-directional Keypad
- 5890 - PIR
- 5849 - Glass Break Detector
- 5819 - Shock Sensor

## ORDERING INFORMATION

<u>Part No.</u>	<u>Description</u>
VISTA-100	Commercial Fire and Partitioned Burglary Alarm Control
VISTA-100-24	Commercial Fire and Partitioned Burglary Alarm Control 24V Model
VISTA-100-PAK1	12V Power Pak consisting of: VISTA-100, 6139R, 5140DLM
VISTA-100-PAK2	24V Power Pak consisting of: VISTA-100, PS24, 6139R, 5140DLM