

## Expanded Capability Software Option\*

## Fire Alarm Controls TrueAlarm<sup>®</sup> Control Panel Version 8 Software

### EXPANDED INTERFACES:

- **4-20 mA Analog Monitor Zone Adapter Module (AMZ)** **NEW!**

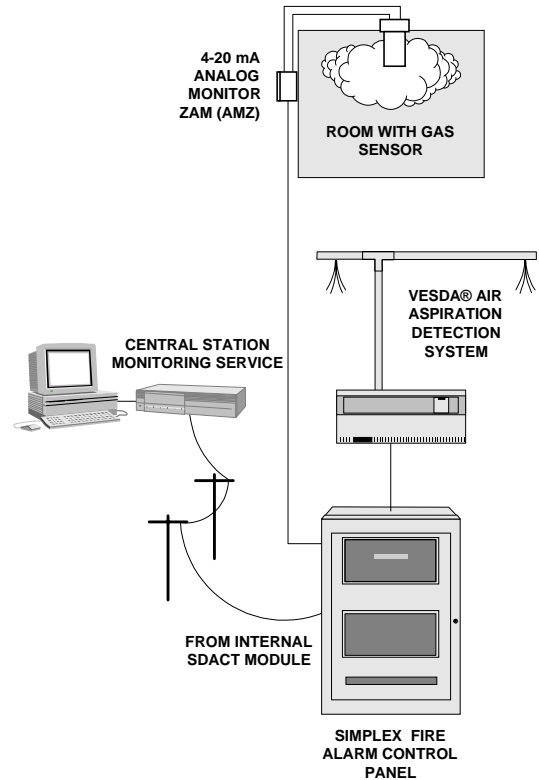
- Monitors Gas Detection Sensor Levels Using 4-20 mA Loop Communications
- Provides Three Programmable Threshold Levels

- **VESDA<sup>®</sup> Intelligent Interface\*\*** **NEW!**

- Serial Communications Link with VESDA<sup>®</sup> Air Aspiration Smoke Detection
- Simplex Fire Alarm Control Panel Provides Monitoring, Recording, and Response to Exact Smoke Levels

- **Serial Digital Alarm Communicating Transponder (SDACT)** **NEW!**

- Serial Interface to DACT for Communicating Point Specific Custom Message Information to Central Station Monitoring



### COMPATIBILITY:

- Simplex Fire Alarm Control Panel Model Series 4020, 4100, and 4120

### SOFTWARE ENHANCEMENTS:

- **Additional Point Types:** **NEW!**
  - Supervisory Duct Sensor
  - Priority 2 Open Circuit Trouble Reporting
  - Generic Normally Open Fire/Supervisory
  - Style C Monitor
- RS232 Port Enhancements Increase Service Modem Functionality
- Compatible with Graphical LCD Annunciator For International Applications

### APPLICATIONS AVAILABLE WITH EXPANDED INTERFACE SOFTWARE VERSION 8

#### DESCRIPTION:

Standard Simplex fire alarm control panel software provides an extensive set of operating features that satisfy most fire detection applications. However, optional Expanded Interface Software Version 8 provides additional interface and operating features that are frequently required for more demanding applications such as: analog gas sensor interfacing, accurate monitoring of sensitive VESDA<sup>®</sup> air aspiration systems, and point specific serial communications to Central Station reporting.

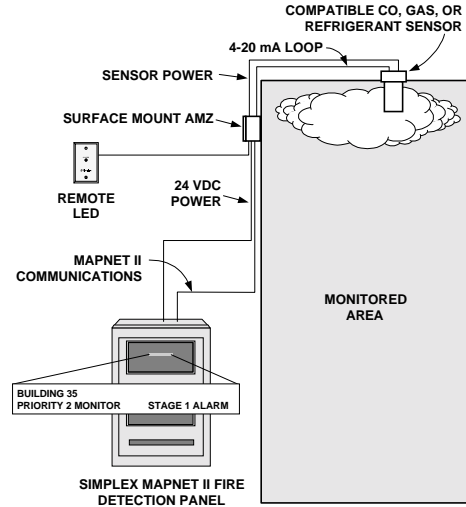
\* Note: Version 8 software is an option for use with compatible Simplex fire alarm control panels only. Applicable agency listings are carried by the individual panels and depend on the selected equipment and its application. Contact Simplex for specific details.

\*\* VESDA<sup>®</sup> is a registered trademark of Vision Systems.

## EXPANDED INTERFACES:

### SIMPLEX ANALOG MONITOR 4-20 mA ZONE ADAPTER MODULE (AMZ)

- Monitors Compatible\* Toxic, Combustible, and Refrigerant Gas Sensors with 4-20 mA Analog Loop Output
- Data is Digitally Communicated to the Fire Detection Panel using MAPNET II Addressable Format\*\*
- Fire Detection Panel Monitoring:
  - Select up to Three Threshold Levels, Each with Custom Action Message
  - Display and Archive Actual Analog Levels
  - Perform Calibration Date Recording
- Automatic and Manual AMZ Self-Test
- Supervised Sensor Trouble Input
- Local LED Annunciator Output
- Mounts in 4" Square Electrical Box or in Panel



### AMZ SYSTEM CONNECTION\*

### NEW LCD INFORMATION EXAMPLES:

<b>Building 38 Gas Storage Area</b>	
<b>PRIORITY 2 MONITOR</b>	<b>STAGE 2 ALARM</b>

<b>Building 38 Gas Storage Area</b>	
<b>PRIORITY 2 MONITOR</b>	<b>STAGE 3 ALARM</b>

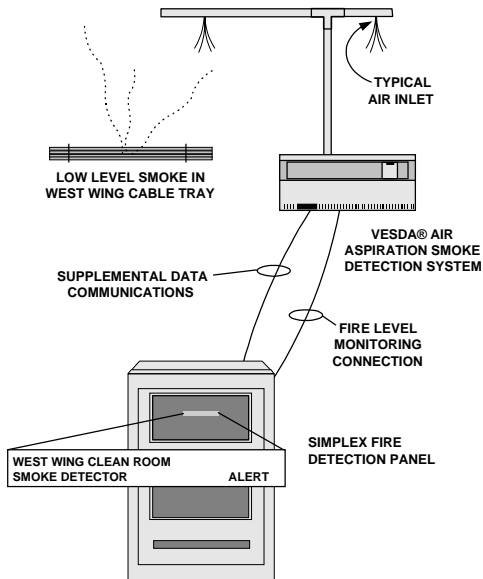
  

<b>Building 38 Gas Storage Area</b>	
<b>PRIORITY 2 MONITOR</b>	<b>318 PPM</b>

<b>Building 38 Gas Storage Area</b>	
<b>PRIORITY 2 MONITOR</b>	<b>SELF TEST NORMAL</b>

\* NOTE: Compatible sensors are supplied separately, contact Simplex for current list. Depicted location is for illustration only, sensor locations depend on specific gas being monitored.

\*\* MAPNET II addressable communications is protected by U.S. Patent No. 4,796,025.



### VESDA® INTERFACE EXAMPLE

### NEW LCD INFORMATION EXAMPLES:

<b>West Wing Clean Room Smoke Detector</b>	
<b>SMOKE DETECTOR</b>	<b>ACTION</b>

<b>West Wing Clean Room Smoke Detector</b>	
<b>AIR FLOW STATUS</b>	<b>TROUBLE</b>

### VESDA® INTELLIGENT INTERFACE:

- Provides Simplex Fire Detection Panels with Supplemental Analog Information from VESDA® Air Aspiration Smoke Detection Systems
- Allows High Value/Mission Critical Operations to Provide Early Investigation
- VESDA® Communications Include Smoke Obscuration Levels, Air Flow Component Status, and Sensitivity Settings
- Fire Detection Panel Features:
  - Programmable to Recognize and Categorize up to Three Smoke Levels
  - Information from up to 30 VESDA® Units can be Gathered on one Communications Input
  - Perform Reset, Disable, and Enable of the Individual VESDA® Smoke Detector
- Compatible with:
  - Simplex 4020, 4100, and 4120 Network Fire Detection Panels
  - VESDA® Scanner™, VESDA E70-D and MiniVESDA™-50

<b>West Wing Clean Room Smoke Detector</b>	
<b>SENSITIVITY</b>	<b>70%</b>

<b>West Wing Clean Room Smoke Detector</b>	
<b>DETECTOR HEAD STATUS</b>	<b>TROUBLE</b>

## EXPANDED INTERFACES CONTINUED:

### SERIAL DIGITAL ALARM COMMUNICATING TRANSPONDER (SDACT):

- UL 864 Listed per NFPA 72 for Central Station Service
  - Listed to UL 1459
  - Registered to FCC Part 68
- Dual Telephone Line Interface
- Mounts Internally to Simplex Models:
  - 4020, 4100, and 4120 Network Fire Alarm Control Panels
  - 4120 Network Processing Unit (NPU)
- Provides Specific, Per Point Information\*:
  - Point Status Changes, Phone Line Status, and Other Off-Normal Information
  - Up to Ten Events per Phone Call
- Provides Programmable Automatic 24 Hour Test and Power Fail Report Delay
- SDACT Status Indicators:
  - Panel LCD Indicates Off-Normal Status
  - Module LEDs Provide Service Diagnostics

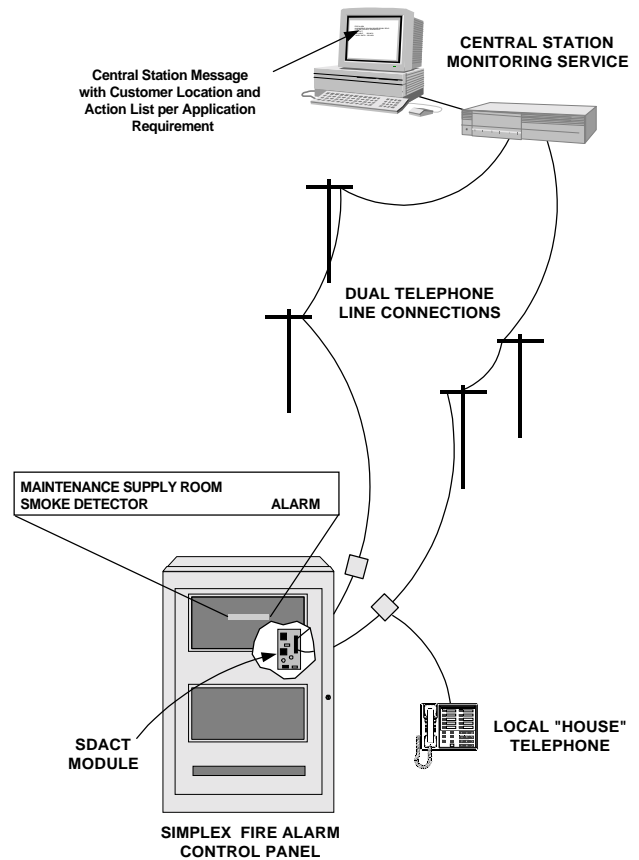
### NEW LCD INFORMATION EXAMPLES:

<b>CARD 5, SERIAL DACT</b>	
<b>PHONE LINE 1</b>	<b>TROUBLE</b>

<b>CARD 5, SERIAL DACT</b>	
<b>CENTRAL STATION COMMUNICATIONS</b>	<b>TROUBLE</b>

\* Note: Information received is determined by capability of the digital alarm communicating receiver (DACR) and communication format used.



**SDACT SYSTEM EXAMPLE**

## SOFTWARE ENHANCEMENTS

### ADDITIONAL POINT TYPES:

#### Supervisory Duct Sensor

Allows monitoring for HVAC duct smoke where investigation is required instead of automatic alarm response.

#### Priority 2 Open Circuit Trouble Reporting

This point type will map an open circuit to a trouble condition instead of a Priority 2 alarm.

#### Generic Normally Open Fire/Supervisory

This point type is intended to connect the control panel to a remote panel via a contact closure output. Allows monitoring of normal, abnormal (supervisory trouble), open (open circuit trouble), and short circuit (fire alarm) conditions.

#### Style C Monitor

Provides monitoring of tri-state inputs. Allows monitoring of normal, abnormal (fire alarm), open (open circuit trouble), and short (short circuit trouble).

### RS232 Port Enhancements Increase Service Modem Functionality

Additional front panel operation (fully password protected) is now available from computer connections via RS232 port.

### SOFTWARE ENHANCEMENTS, INTERNATIONAL APPLICATIONS

For international applications, Software Version 8 also directly interfaces with the Simplex graphical LCD product that provides accurate annunciation in local languages that require graphics for accurate presentation. (Consult your local Simplex representative for language availability.)

**EXPANDED INTERFACE SOFTWARE VERSION 8 REFERENCE INFORMATION:**

**PRODUCT SELECTION**

IDENTIFICATION	DESCRIPTION
<b>4020-6081</b>	Version 8 Expanded Interface Software for <u>4020</u> Series Fire Alarm Control Panels
<b>4100-6081</b>	Version 8 Expanded Interface Software for <u>4100</u> Series Fire Alarm Control Panels
<b>4120-6081</b>	Version 8 Expanded Interface Software for <u>4120</u> Series Network Fire Alarm Control Panels

**ADDITIONAL INFORMATION**

PRODUCT	SIMPLEX DATA SHEET	DESCRIPTION
<b>4-20 mA AMZ</b>	S4190-0007	4-20 mA Interface Zone Adapter Module for Selected Gas Sensor Applications
<b>VESDA® Interface</b>	S4100-0024	Interface to VESDA® Air Aspiration Control Panel Serial Communications
<b>Serial Digital Alarm Communicating Transmitter (SDACT)</b>	S2080-0009	Serial Interface to DACT for Communicating Point Specific Information to Off-Site Location(s)
<b>4020 Series Fire Alarm Control Panels</b>	S4020-0003	Addressable Fire Alarm Control Panel, up to 508 Points
<b>4100 Series Fire Alarm Control Panels</b>	S4100-0013	Addressable Fire Alarm Control Panel with Voice Option, up to 1000 Points
<b>4120 Series Fire Alarm Control Panels</b>	S4120-0001	Simplex 4120 Network Products for networking of addressable and conventional fire alarm control panels and associated annunciator products.

