

Emergency Communications Display
Interface (ECDI) Software, Model 4190-9815

Features

Allows normal building video message displays to be controlled by a Simplex® 4100ES, 4010ES, or 4100U fire alarm control panel:

- When an emergency condition is reported to the host fire alarm control panel, normal building video message communications are switched to provide emergency communications
- ECDI Software resides in an on-site computer and monitors the computer port protocol output from the host control panel
- Upon receipt of an emergency condition, the information provided to the ECDI Computer allows it to abort normal building messages and switch to the programmed emergency message
- Standard messages are listed on page 4; custom messages or images can be prepared, or the output can be connected to a pre-selected URL
- Operation includes control of the video feed using a separate VGA switch, or providing an RSS message feed to enable the desired action at the receiving controls, or both can be provided
- Operation requires Microsoft Windows XP or Windows 7 (32-bit) operating systems; computers require a serial port for control panel communications and a second serial port for VGA Switch control; RSS feed is via Ethernet port

Link panel point activity to a website:

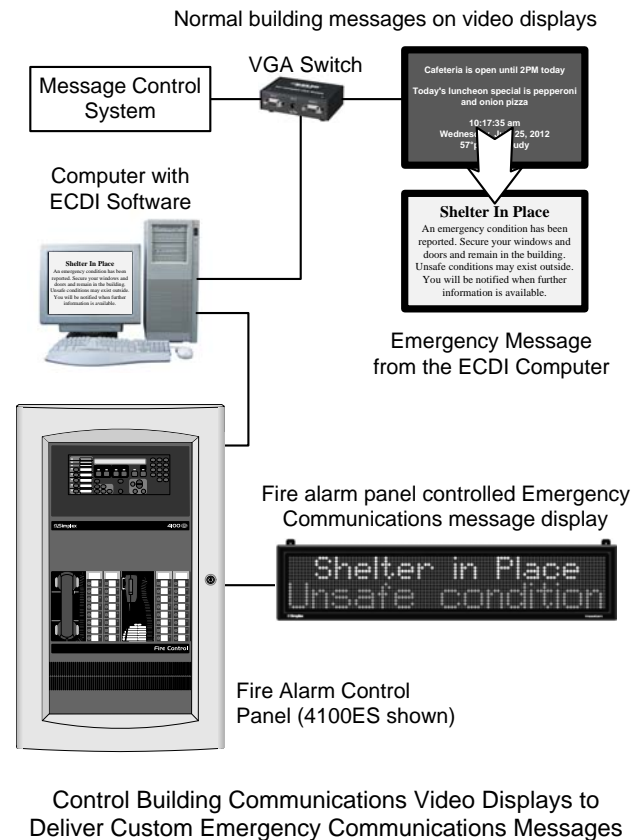
- Panel trigger points can be programmed to connect the ECDI Computer to a specific website URL to send to the building displays to view activity or take action (view web cameras, broadcast messages, etc.)

VGA message control:

- Building display communications are connected through a dual input, single output VGA Switch (see page 2)
- When an emergency is detected at the host control panel, point information is sent to the ECDI Computer allowing it to control the VGA Switch output to feed to its video output for the duration of the message(s)
- When the emergency is clear, communications revert back to the standard controller

RSS message control:

- For compatible building display controllers, the ECDI Computer functions as a web server to provide an RSS feed via LAN/WAN connection, sending out the programmed text associated to the selected panel activity; an Internet browser with functionality equal to Internet Explorer 7 or above is required
- For RSS feed only, ECDI software can reside on a Simplex TrueSite Workstation computer if there is an available Ethernet port and an available RS-232 port to connect to the host control panel
- The RSS feed may also be compatible with other building communications equipment such as power over Ethernet (POE) message display products



Description

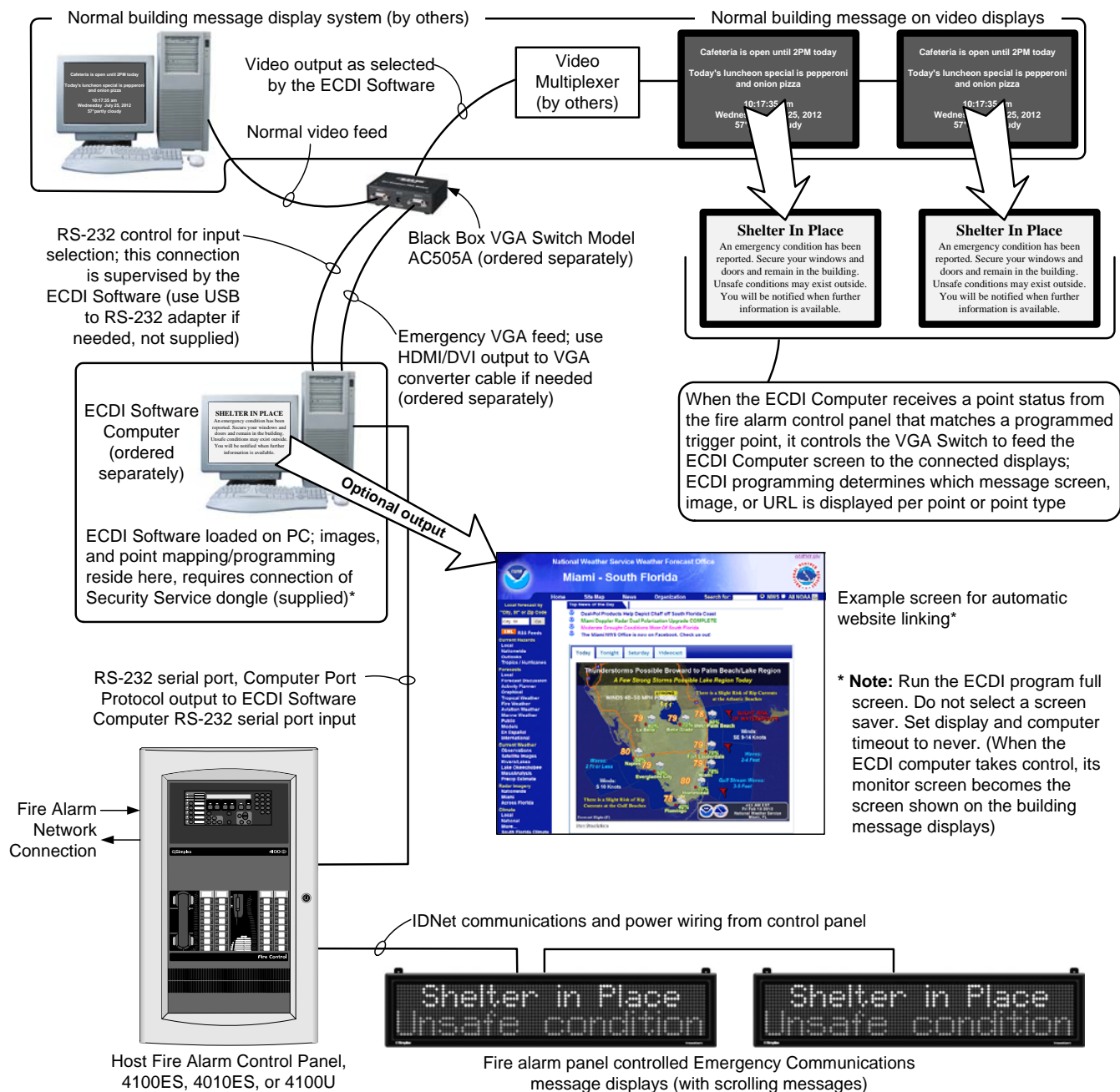
Fire Alarm Systems. Fire alarm systems normally communicate information to their connected fire alarm notification appliances to advise building occupants of emergency conditions and of the directed response. However, many buildings also have non-emergency, non-fire alarm display equipment in place to advise of normal conditions such as daily events, weather, announcing special visitors, or maybe just the daily menu.

Using the Fire Alarm System to Control other Systems. ECDI Software allows the information displays used for normal building communications to distribute emergency information under the control of a Simplex 4100ES, 4010ES, or 4100U fire alarm control panel. The software resides on a separate computer and controls the building information equipment by either controlling a VGA switch, or by sending RSS communications, or both may be supplied.

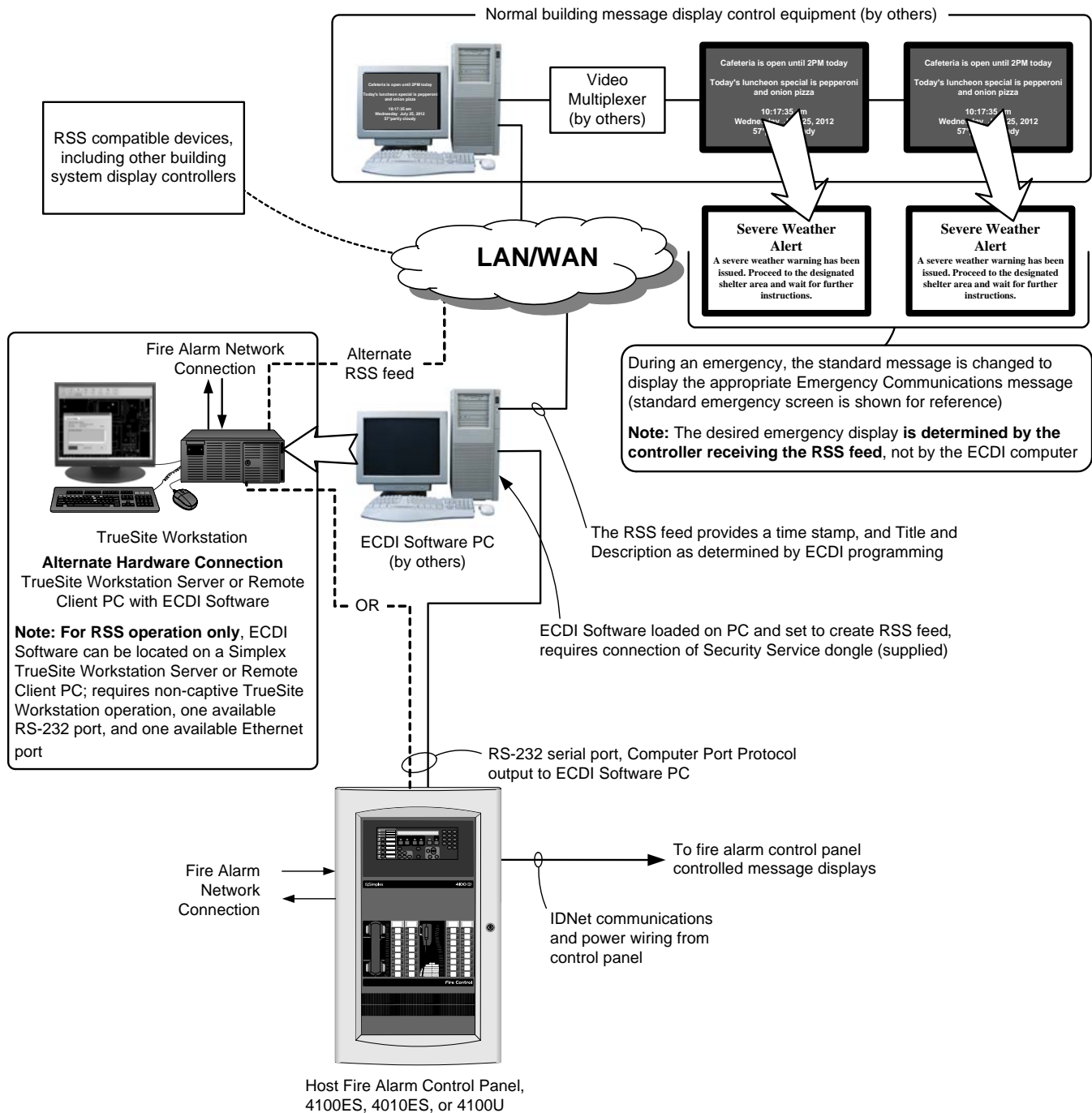
Applications Note. ECDI Software provides a variety of system connection options. Contact your local Simplex product representative to have your specific building requirements reviewed by our Solutions team.

For more information, refer to Installation Instructions
579-952

ECDI Software Video Switch Connection Reference



ECDI Software RSS Feed Connection Reference



Black Box VGA Switch Reference

Manufacturer	Black Box Network Services
Model Number	AC505A
For additional information	www.blackbox.com

Specification Summary

Size	1 ¼" H x 4 ¼" W x 2 ½" D (32 mm x 108 mm x 64 mm)	
Power Requirements	120 VAC, 60 Hz to power converter (supplied)	
	Converter output is 6 VDC, 300 mA (center positive) to VGA switch	
Resolution	1600 x 1200 maximum	
Video Level	0 to 0.7 V p-p	
Video Bandwidth	250 MHz	
Video and Control Connections	Video input: (2) HD15F	Video cable is by others per system distance requirements
	Video output: (1) HD15F	
	Serial input: (1) 3.5 mm F (RS-232), cable included	
Distance	150 ft (45.7 m) maximum at XGA resolution	

ECDI Software Pre-Programmed Messages

The following standard message screens are provided to coordinate with the standard Simplex LED Reader Board messages. Custom messages can easily be created for local content. These messages require mapping to the selected trigger points from the connected fire alarm control panel at the ECDI Computer.

Message Title	Screen Color (with black text)	Displayed Message
Bomb Threat	Orange	Bomb Threat An emergency has been reported in the building. Please proceed to the nearest exit and vacate the building.
Hostile Intruder	Orange	Hostile Intruder An emergency has been reported in the building. Please secure your area and wait for further instructions.
Shelter in Place	Orange	Shelter In Place An emergency condition has been reported. Secure your windows and doors and remain in the building. Unsafe conditions may exist outside. You will be notified when further information is available.
Alternate Exit	Red	Evacuate-Alternate An emergency condition has been discovered in the building. Proceed to your alternate exit and vacate the building.
Severe Weather Alert	Yellow	Weather Alert A severe weather warning has been issued. Proceed to the designated shelter area and wait for further instructions.
All Clear	Green	All Clear Attention please, the emergency condition has been cleared. You may return to your normal activities
Evacuate	Red	Evacuate A fire has been reported in the building. Proceed to the nearest exit and vacate the building. Report to your designated assembly place outside the building.
Alert	Yellow	Alert An emergency condition has been detected in another part of the building. Please remain in your area. You will be notified if further action is required.
Live Voice	Red	Live Voice A live voice announcement is currently being broadcast

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