Features

Compatible with Simplex ES Net and 4120 Networks.

TrueSite Incident Commander Graphic Annunciator provides 4100ES mounting for the Simplex TrueSite Graphical Annunciator:

· **All-in-one touchscreen computer/monitor** mounts in a 4100ES cabinet and is powered from the fire alarm system power supply, including battery backup
· **Seismic hardware;** 4100ES mounting with battery brackets provides seismic area protection (see Seismic Testing)
· **High resolution** touchscreen monitor
· **Includes Windows 10 Enterprise** (64-bit)
· **Hinged mounting bracket** allows convenient service access
· **Available for desktop use** operating at 120 VAC with an included power supply module

Graphic Annunciator function summary:

· **Simplex fire alarm network connected** graphical interface
· **Connects to the Simplex fire alarm Network** as a node allowing access to remote panel activity status
· **Supports standard fire service annunciation icons** to provide firefighter and first responders with critical fire response information
· **Custom alarm and system messages** for example, HAZMAT locations and contact information can intuitively guide emergency responders
· **Color graphical annunciation** capacity for up to 250,000 ES Net network points or up to 100,000 4120 network points. See ES Net Version Compatibility and 4120 Version Compatibility for additional details
· **Extensive historical logging** up to 500,000 events
· **Multiple password** controlled operator levels
· **Available optional connections** for printers or compatible systems
· **Backup Utility** can be configured to automatically backup specified directories including TSW job data to the secondary hard drive. The backup utility is available to systems that do not use RAID.
· **Password Security** supports 8 to 16 alphanumeric passwords with configurable lockout for quantity of failed attempts
· **Dual monitor support** allows the Alarm List to be on one monitor and the Graphics Window on the other
· **Operating Systems;** Server and clients are compatible with Windows 7 & 10 Professional or Enterprise, Clients also compatible with Windows 7 Home Premium and Windows 10 Home (32-bit and 64-bit for all options)

Graphic screen details:

· **Pan-and-zoom features** allow precise navigation
· **Configurable coverage zones** allow user defined zones to highlight the area of activity without zooming in
· **Auto-jump** allows the screen view to jump to a graphic or alarm list menu

Agency listing:

· UL 864 as Fire Alarm Control Unit Annunciator (UOXX.S771)
· UL 1076 as Proprietary Burglar Alarm Unit (APOU.BP2801)
· UL 1610 as Central Station Burglar Alarm Control Unit (AMCX.S771)
· ULC-S527 as Fire Alarm Control Unit Annunciator (UOXX7.S771)
· ULC/ORD-C1076, Proprietary Alarm System Annunciator (APOU7.S771)

· UL 1076, Proprietary Burglar Alarm Multiplex Receiving Unit (APOU.S771)

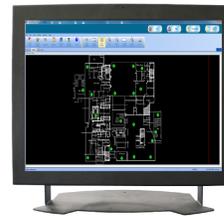**Figure 1: TrueSite Incident Commander Graphic Annunciator Mounts in Bay 2 of a 4100ES Control Panel**

Figure 2: Desktop TrueSite Incident Commander Graphic Annunciator

Additional system features:

· **Node Name** allows a description of the specific building or area associated with a point in views and reports
· **TrueSite Workstation Mobile Client** allows compatible mobile devices to access system information
· **Export to XML** feature allows TrueSite Workstation data to be easily exported
· **Sound files** (WAV) can be used to create custom audible status annunciation with PC model 4190-7014
· **Fahrenheit or Celsius** temperatures can be displayed
· **Web Browser Command Link** allows an external web page or link to be launched with a single command button on a graphic screen
· **RAID 1 Support** provides a real-time mirror image on a secondary hard drive; operation transitions to the alternate drive on a drive failure without loss of operation. RAID support is available to systems that do not use the Backup Utility.

Simplex Fire Alarm Network capabilities:

· Multiple Graphic Annunciators can be nodes on the same fire alarm network for improved survivability
· Standard fire alarm network connection for wired or fiber optic media
· Connect to up to seven (7) separate network loops
· Graphical network diagnostic tools
· Provides event printing (with compatible printer), view or print of status and service reports, TrueAlert Self-Test reports and print graphic screens (see TrueSite Incident Commander Product Selection for

printing details)

Description

The TrueSite Incident Commander Graphical Annunciator offers TrueSite Graphical Annunciator operation in an all-in-one package providing a touchscreen computer, monitor, hard drive, and required input/output connections all in single assembly. This allows installation within a 4100ES fire alarm control panel or remote annunciator with power supplied from the fire alarm power supply and secondary batteries. This package is also available for desktop applications.

Network Annunciation

Graphic Annunciators provide annunciation and status display for Simplex Fire Alarm Networks using a personal computer based graphical interface with a high resolution, color display.

Graphic Annunciator Operation

Operation. When fire alarm network status changes occur, the screen displays the type and location of the alarm (or other activity) and the appropriate header buttons appear. In the historical log screen, see Figure 4, Fire, Priority 2, Supervisory, and Trouble buttons are shown with an active Trouble indicated.

Sample Screens. Figure 4 is representative of a historical view screen. Figure 3 is representative of a system graphic screen with icons representing the devices of interest. Screen choices can be configured per system preference, however, when using an optional second monitor, both screen types can be visible for operator convenience.

Ease of Operation. With touchscreen monitors, the operator touches the screen area in alarm (or uses the mouse control) to access a more detailed view of the alarmed zone or device. With the proper password access, the operator has the ability to acknowledge alarm and trouble conditions, activate signal silence, and perform system reset directly from the Graphic Annunciator screens.

Programmable Activity Timeout allows an unattended monitor to revert to the login screen when the configured time period expires.

Individual User Preferences appear when the user logs in. Options include: Font Size (default or large); Toolbar Size (small or large); Interface Theme (MS Office 2003 or System); Floating Window Options (select whether to show Menu bar or show Tool bar).

Historical Log and List Details. The display format is similar to the display for active list items such as the alarm list. Displayed information can be sorted on-screen by each category shown including number, time, date and point name. List information can be reviewed on the screen or printed at a local or remote system printer.

Customized Response. Custom alarm and trouble messages can be added and field edited to provide operator response assistance. Point specific information, such as hazardous material storage and lists of people to notify, can be automatically or selectively displayed.

Password Control

Multiple Access Levels. Operator access level is determined during log-in. Select functional access to match the training and responsibility of the operator. Operators with additional TrueSite Graphic Annunciator and fire alarm network training may be qualified for access to more detail. For operators who are primarily concerned with immediate facility security, a lower level access will provide the information necessary for proper response but will not allow access to areas beyond their training.

Graphics Screens

Site and Floor Plan Details. Graphics screens can provide easily recognizable site plan and floor plan information. The level of detail can be customized for the specific facility to easily and accurately direct the operator to the immediate area of interest.

Graphic Screen Controls. See Figure 3. Icons can be added to identify the location and type of the device of interest and the graphics control toolbar (located at the top of the graphic) can be used to pan and zoom for more precise detail. Programmable coverage zones can be added with selectable area and zoom level. A fixed area site plan (key plan) with action buttons and screen locator can be added as shown. Pan and zoom are tracked by a green rectangle in the key plan.

Custom Banner and Main Screen Background. The banner area can be customized (bitmap area is 1750 pixels x 68 pixels). The main screen background (viewable prior to login) can be customized with a bitmap of up to 1000 x 525 pixels.

Action Messages. In addition to screen text or graphic information, the operator can be presented with specific action messages that provide emergency response information and directions. These action messages are easily field edited for local requirements. The appropriate action message in a graphics screen would be found in an Acknowledge dialog box as shown in Figure 4.

Auto-Jump to Graphics or Alarm List. Select whether activity should cause a jump to a list format or to the associated graphic screen.

Supported Graphics Formats:

- DWG Import Formats: AutoCAD R9, 10, 11-12, 13, 14 ,2000-2002, 2004-2006, 2007-2009, 2010-2011
- DXF Import Formats: AutoCAD R14 and 2000
- Export Formats: AutoCAD 2000 DWG/DXF format (allows editing in AutoCAD 2000 or later)
- Import drawing files: DWG, WGS, IMS/GCC DOC files, WMF, BMP, GIF, and JPG

Seismic Testing

The 4100ES cabinet mounted TrueSite Incident Commander design has been seismic tested and is certified to IBC and CBC standards as well as to ASCE 7-05 categories A-F. Requires use of battery brackets detailed on data sheet *S2081-0019* .

Network Diagnostics

Graphical Network Status Views. Automatic, built-in diagnostics are available to provide graphical views of Network topology and Network status. Missing communications links due to wiring breaks or shorts as well as inactive network nodes are indicated clearly to guide in returning the system to normal. Information screens are available to provide detail about each specific network node. Network level functions such as timekeeper node and monitor node are indicated as well as identification of the node being used for the diagnostic.
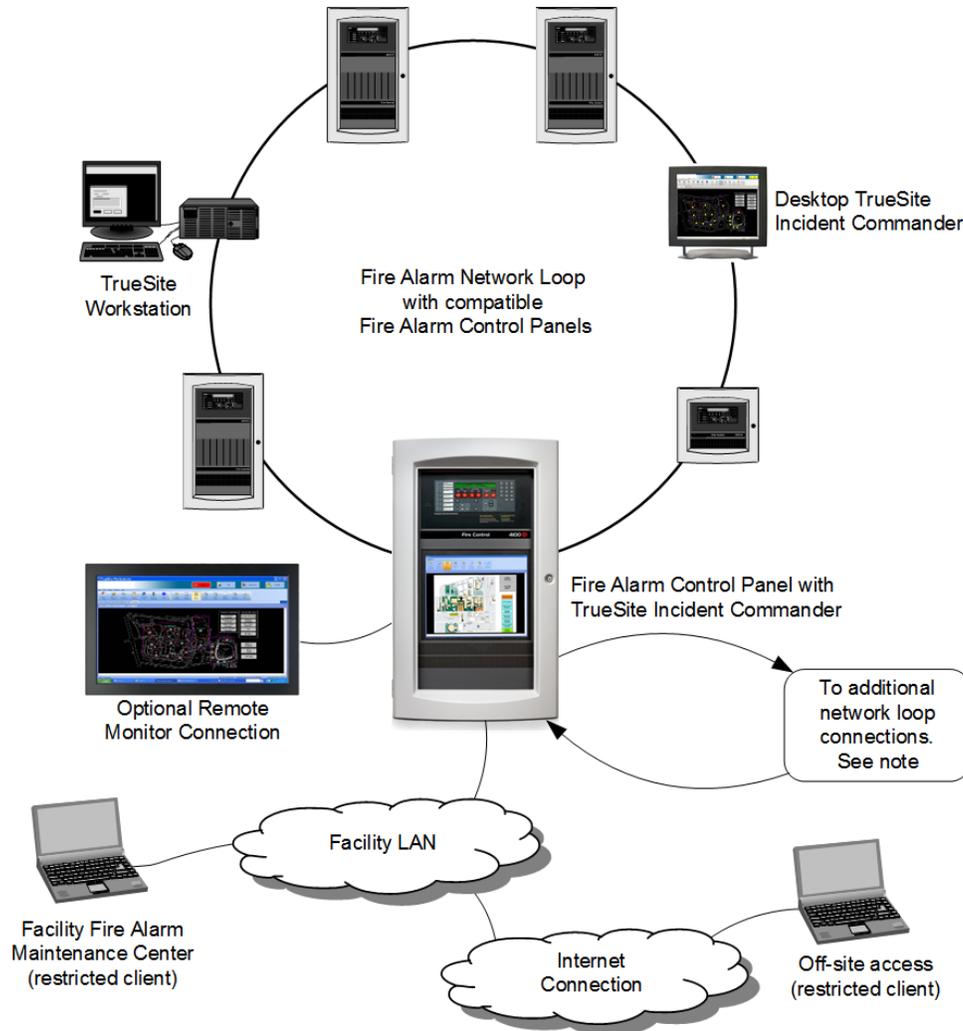
Multiple Network Connections

When extensive network expansion or interconnection of existing, separate networks is required, up to seven ES Net network loops, or on a mixed network, up to five ES Net network loops and two 4120 network loops, may be connected to the TrueSite Graphic Annunciator. Each network loop is connected to its own network interface module allowing the annunciator to appear as a node in each individual loop.

With a multi-loop network connection, the TrueSite Graphic Annunciator is a node member of each network loop with up to 98 additional nodes per loop. This allows up to 686 total nodes and the TrueSite Graphic Annunciator (687 total) to be interconnected.

Anti-Virus Software

When the TrueSite Incident Commander Graphic Annunciator is connected to a TCP/IP network other than a dedicated Fire Alarm network, it is highly recommended that regularly updated anti-virus software protection be installed on each connected computer. The TrueSite Incident Commander Graphic Annunciator has been verified as compatible with Symantec EndPoint Protection 12.1.3 and McAfee Enterprise 8.8.

System Overview Reference

Note: An Incident Commander node can attach to seven ES Net network loops; or on a mixed network, up to five ES Net network loops and two 4120 network loops. For further information regarding multi-loop or multi-topology support, refer to data sheet *ES Net Network Applications, Communications, Options and Specifications (S4100-0076)*.

Multi-Loop Operation Features

Improved survivability:

· Individual network loops operate independently
· In the event of loss of one or more loops, remaining loops continue to operate

Loop independence:

· New loops can be added without impacting existing loops

Assists with phased-in system expansion:

· Each loop can be installed as a stand-alone network allowing local node programming to evolve as required
· When construction or renovation reaches completion, loops can be combined for coordinated facility protection

Multi-loop requirements:

· Each loop requires a dedicated Network Interface Card
· Supports up to seven ES Net loops; or on a mixed network, up to five ES Net network loops and two 4120 network loops maximum

Power Supply Application Reference

When the TrueSite Incident Commander Graphic Annunciator is panel mounted, the following power supply applications guidelines apply.

1. The power supply used to power the Graphic Annunciator must be dedicated to the Graphic Annunciator and internal card power only.
2. IDNet communications, Signal power, or Auxiliary (aux) power loads must be connected to a separate expansion power supply.

Additional Network Product Reference

Table 1: Additional Network Product Reference

Description	Document
4100ES Basic Panels with SPS Power Supplies	S4100-0031
4120 Network Products and Specifications	S4100-0056
ES Net Products and Specifications	S4100-0076
4100ES Basic Panels with EPS Power Supplies	S4100-0100
Fire Alarm Ethernet Switches for TrueSite Workstation	S4190-0018
TrueSite Graphic Annunciator	S4190-0022
Mobile Client for TrueSite Graphic Annunciator	S4190-0025

4120 Version Compatibility

4120 network product compatibility with TrueSite Incident Commander Graphic Annunciator requires the following software versions :

Table 2: Fire Alarm Network Interface

Network Interface	Compatibility
4190 GCC/IMS/NPU	Master Version 2.07 (or later)
4100U	Master Version 9.02 (or later)
4020	Master Version 9.02 (or later)
4010	Master Version 3.01 (or later)
4002	Network Firmware Version 3.02.92 (or later)

Table 3: 2120 (SLI) Interface

Network Interface	Comaptibility
2120	Master Version 5.44 (or later) Network Interface Version 3.02 (or later)

Note:

1. TSW 100,000 4120 network point capacity requires TSW version 3.04, or higher, and ES panels at version 3.03.04, or higher.
2. TSW supports up to 100,000 points from ES series panels on 4120 networks or DACR points only.
3. Other legacy 4000 series panels are limited to a capacity of 62,500 points on the TSW. You can mix with ES series panels reporting above the 62,500 point range.
4. A TSW with a 2120 SLI interface is limited to 62,500 points for the entire system, including ES series panels and DACR points.

ES Net Version Compatibility

ES Net product compatibility with TrueSite Incident Commander Graphic Annunciator requires the following software versions:

Table 4: ES Net software requirements

Software	Required software version
Network Programmer	2.04 or above
ES Programmer	6.01 or above
TrueSite Workstation	6.01 or above
TrueSite Incident Commander	6.01 or above

Table 5: ES Net firmware requirements

Component	Required firmware version
4100ES panel	6.01 or above
4010ES panel	6.01 or above
4007ES panel	6.01 or above
ES Net NIC Application	1.04
ES Net NIC EOS	1.04

Note:

1. TSW 250,000 ES Net network point capacity requires TSW version 6.01, or higher, and ES panels at version 5.03, or higher.
2. TSW supports up to 250,000 points from ES series panels on ES networks or DACR points only. The maximum points supported from 4120 networks is 100,000 points.
3. Where TSW supports both ES Net and 4120 Network loops, the maximum TSW point capacities are as follows:

i. Up to 250,000 ES network points and DACR points combined.

ii.   Up to 100,000 4120 network points. See note in 4120 Version Compatibility for additional information.

iii. The combination of ES Net, DACR, and 4120 points are not to exceed 250,000 TSW points total.
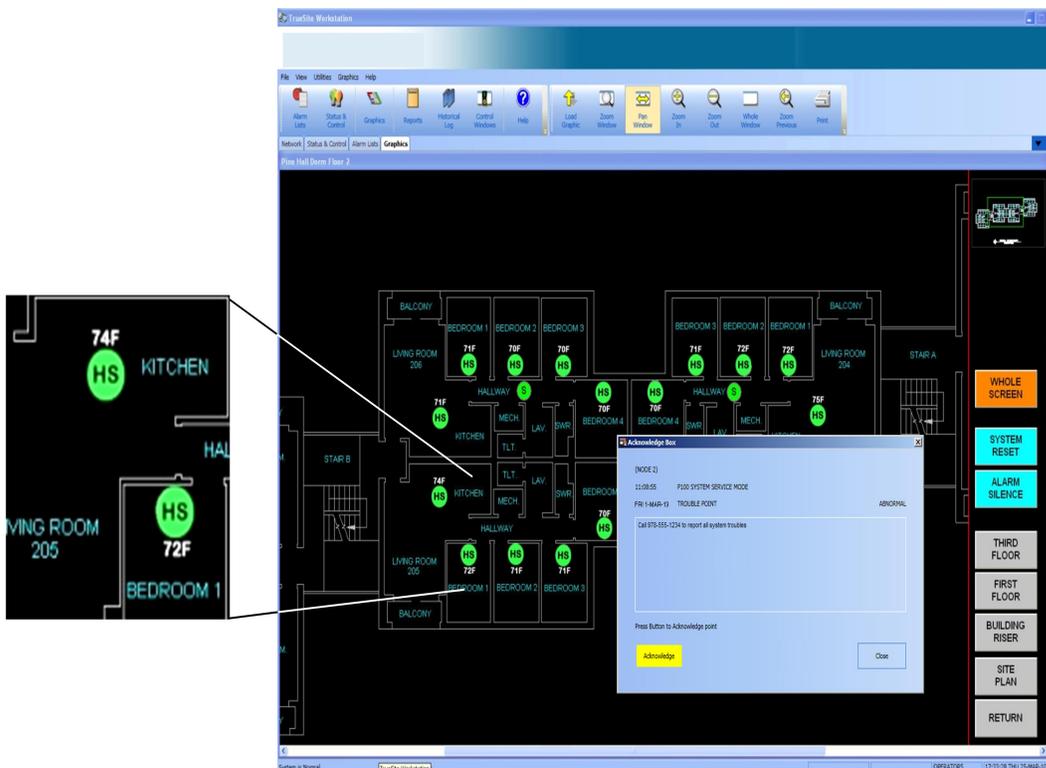
Sample Screens

Figure 3: TrueSite Incident Commander Graphic Annunciator Sample Graphic Screen with Detail Enlargement and Acknowledge Box.

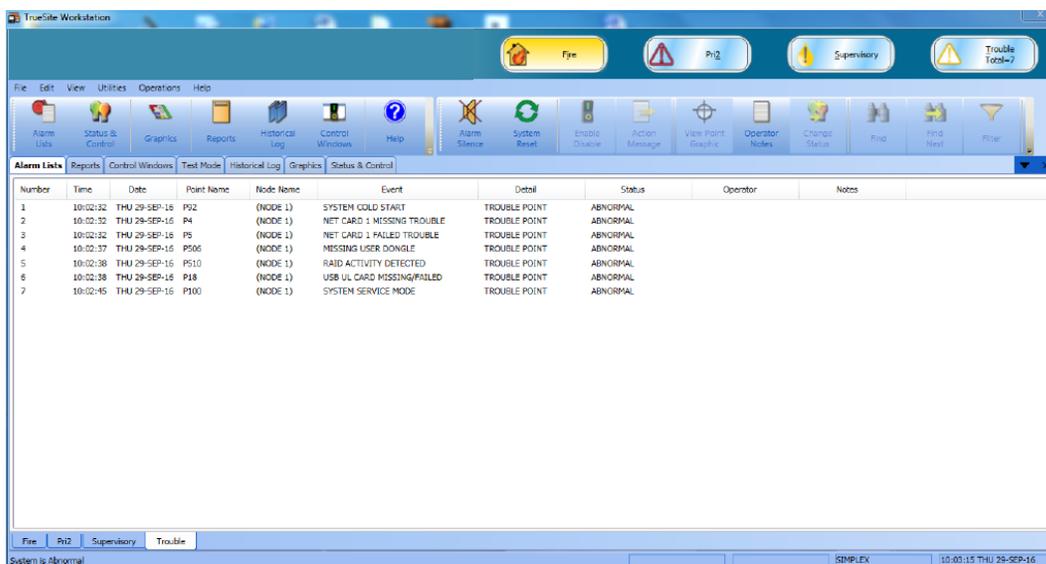**Note:** This sample graphic screen demonstrates heat sensors (HS) dynamically displaying their local temperature readings.

Figure 4: TrueSite Incident Commander Graphical Annunciator Sample Alarm List Screen

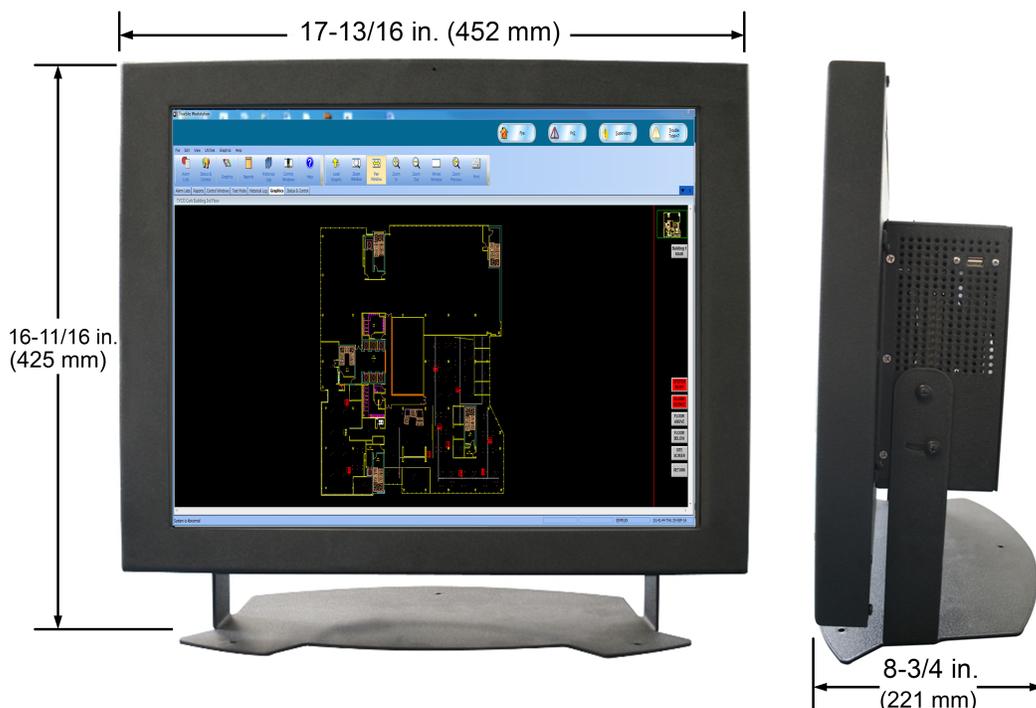## TrueSite Incident Commander Desktop Dimension Reference

17-13/16 in. (452 mm)

16-11/16 in. (425 mm)

8-3/4 in. (221 mm)

Figure 5: Desktop Dimensions

TrueSite Incident Commander Product Selection

Table 6: Product Selection

Category	Model	Description	
Hardware Systems (select as required)	4190-8407	**TrueSite Incident Commander Graphic Annunciator**; for status annunciation only, does not provide control capability	**Note:** Requires selection of computer type and applications software from below. **Note:** LAN connections require Transient Suppressor, see below for details.
Aftermarket Additions	4190-8901	Aftermarket hardware addition	
	4190-8605	Aftermarket software addition	
Computer Type (select one as required)	4190-7036	4100ES cabinet mounted P.C. (Incident Commander), imaged with Windows 10 Enterprise and TSW runtime software, Minimum i5 2.7 GHz processor, (2) 4GB Ram, (2) 500GB hard drives, DVD R/W drive, USB UL I/O card (RAID not configured)	19" Touchscreen computer/monitor with UL I/O Card, compact keyboard and mouse
	4190-7037	Desktop P.C. (Incident Commander) imaged with Windows 10 Enterprise and TSW runtime software,, Minimum i5 2.7Ghz Processor, (2) 4GB Ram, (2) 500GB hard drives, DVD R/W drive, USB UL I/O card (RAID not configured)	
	4190-7038	4100ES cabinet mounted P.C. (Incident Commander) imaged with Windows 10 Enterprise and TSW runtime software,, Minimum i5 2.7 GHz processor, (2) 4GB Ram, (2) 500GB hard drives, DVD R/W drive, USB UL I/O card (configured with RAID)	
	4190-7039	Desktop P.C. (Incident Commander) imaged with Windows 10 Enterprise and TSW runtime software,, Minimum i5 2.7Ghz Processor, (2) 4GB Ram, (2) 500GB hard drives, DVD R/W drive, USB UL I/O card (configured with RAID)	
	4190-7040	Aftermarket Incident Commander PC (Cabinet Mounted or Desktop), no O.S., compatible with Windows 7 and Windows 10, 32 or 64 bit, Minimum i5 2.7Ghz Processor, (2) 4GB Ram, (2) 500GB hard drives, DVD R/W drive, USB UL I/O card	

Table 6: Product Selection

Category	Model	Description
Applications Software (select one per application)	4190-5055	TrueSite Incident Commander Graphic Annunciator Software; requires selection of 4190-8407
	4190-5063	TrueSite Incident Commander Graphic Annunciator to TrueSite Incident Commander Workstation Upgrade, upgrades TrueSite Incident Commander Graphic Annunciator to full TrueSite Incident Commander control capability, requires 4190-8605; Note: Refer to data sheets *S4190-0020* and *S4190-0016* for additional control capability information and other options available with this selection
Software Feature Option	4190-5067	TrueSite Workstation Mobile Client Feature; quantity of (1) enables TrueSite Graphic Annunciator information to be accessed from compatible mobile devices; access for mobile clients is enabled by entering an authorized feature code at the server; see data sheet S4190-0024 for more information
	4190-5068	**ES Net Supplemental Traffic feature**; enables support of supplemental traffic for TrueSite Workstation and allows for Remote Client Connections to TSW from any nodes on ES Net network. **Note:** Available only if Control Operations (4190-5063) is added. For further information regarding supplemental traffic, refer to *ES Net Network Applications, Communications, Options and Specifications (S4100-0076)*.
	4190-5069	TSW Maintenance License; This is a maintenance model number for support operations such as dongle replacements and Software Maintenance Agreement (SMA) upgrades.
Serial Port Option	4190-6034	Quad RS-232 Serial Port PCI Card, select when more than two serial ports are required; PCI Slot card with pluggable terminal block output; one 4190-6026 suppressor is require per connection (see below)
Serial Port Connectors (select as required)	4190-6002	Transient Protected Connector, select one per connection to a standard PC RS-232 serial port
	4190-6026	Transient Protected Connector for Quad Serial Port Card; one required per connection
	4190-6010	Transient Suppressor for LAN/WAN Connection; required for agency listing for each TrueSite Graphic Annunciator LAN/WAN connection
USB Ethernet Adapter	4190-6059	USB 3.0 to Gigabit Ethernet NIC Network Adapter. This allows additional RJ45 Ethernet port using available USB ports on TSW Desktop PCs to be used either for connecting to an ES Net NIC card or to a building network. **Note:** When using the Incident Commander Desktop PCs (4190-7032 and 4190-7034) the USB Ethernet Adapter does not currently meet ULC standards.

Table 7: 4120 network options

Option	Configured	Aftermarket	Description		Size	Alarm/Supv.
Network Interface Modules (two maximum)	4190-6061	4190-9829	Modular network interface card (select media modules separately, listed below); PCI slot card; supports Class B or Class X operation		1 PCI slot	46 mA
Media Modules for Modular Network Interface (as required)	4190-6036	4190-9822	Wired Media	Mounts on 4190-6061 or 4190-9829 modular network interface card (up to 2 media cards per network interface card). Maximum of 1 left port and 1 right port duplex fiber media card per modular network interface card. Field connections require left port to right port pairing. Order fiber media service kits for retrofit jobs where ST connectors are already installed (refer to data sheet S4100-0056 for full fiber media module specifications and retrofit information)	N/A	55 mA
Media Modules for Modular Network Interface (as required)	4190-6301	4190-9851	Left port, single-mode 4120 duplex fiber media card		N/A	55 mA
Media Modules for Modular Network Interface (as required)	4190-6302	4190-9852	Right port, single-mode 4120 duplex fiber media card		N/A	55 mA
Media Modules for Modular Network Interface (as required)	4190-6303	4190-9853	Left port, multi-mode 4120 duplex fiber media card		N/A	55 mA
Media Modules for Modular Network Interface (as required)	4190-6304	4190-9854	Right port, multi-mode 4120 duplex fiber media card		N/A	55 mA

Note: For additional information on 4120 Networks and 4120 network product specifications see data sheet S4100-0056.

ES Net network options

Note: For additional information on ES Net networks and ES Net network product specifications see data sheet S4100-0076.

Table 8: ES Net external NIC for TSW product selection

Model	Enclosure	Description	Power	Size	Alarm/Supv.
4190-9832	Red	Connects a TSW or Incident Commander to the ES Network. ES panel network supports Class B or Class X operation, TSW connections are Class B. Includes (4) built in Ethernet ports, supports (1) additional media card. Ports A and C can be configured for earth fault detection.	120/240 VAC	Wall mount enclosure measures 10in x 10in x 2.5in.	120 mA
4190-9833	Platinum		120/240 VAC		
4190-9834	Red		24 VDC		
4190-9835	Platinum		24 VDC		

Table 9: ES Net NIC cards for 4100ES or TrueSite Workstation

Model	Card Type	Description	Size	Alarm/Supv.
4100-6310	Flat	Mounts in 4100ES cabinet. Connects a 4100ES FACU or TrueSite Workstation to an ES Net network. Supports Class B or Class X operation. Includes (4) built in Ethernet ports, install to any (2) vertical block space in a 4100ES bay. Supports up to (2) additional media cards. Ports A and C have earth fault detection.	2 vertical blocks	120 mA
4100-6104	Slot	Mounts in 4100ES cabinet. Connects a 4100ES FACU or TrueSite Workstation to an ES Net network. Supports Class B or Class X operation. Includes (4) built in Ethernet ports, install to a single slot in a 4100ES bay. Supports up to (2) additional media cards. Ports A and C can be configured for earth fault detection.	1 slot	120 mA

Note: TrueSite workstation connection is Class B, for Class X networks TSW connection must be 20 ft (6 M) maximum in conduit. Network interface cards include built-in Ethernet network communication ports, order optional media cards as required. A maximum of 1 ES Net NIC is supported.

Table 10: ES Net dual channel media modules for external NIC and 4100ES NICs

Model	Media card type	Description	Size	Alarm/Supv.
4190-9856	ES Net NIC dual channel Ethernet media card	Select per network connection requirements; mounts on the supplied ES NIC(s); (1) media card per external NIC network interface card. For Dual Channel Media Cards, there are two ports for input and output connections. Field connections require proper port pairing, refer to 579-1258 ES Net Dual Channel Fiber, Ethernet, and DSL Media Card Installation Instructions for additional information	N/A	20 mA
4190-9858	ES Net NIC Dual Channel Single-mode Fiber Media Card		N/A	135 mA
4190-9859	ES Net NIC Dual Channel Multi-mode Fiber Media Card		N/A	135 mA
4190-9857	ES Net NIC Dual Channel DSL Media Card		N/A	155 mA

Table 11: Hardware Reference for Mounting TrueSite Incident Commander Graphic Annunciator in Bay 2 of a 4100ES Fire Alarm Control Panel

Model	Description
4100-7909	Designates that the 4100ES fire alarm control panel is to be shipped with bay 2 empty

Table 12: Box and Door

Selection Type	Description	Platinum 2 Bay	Platinum 3 Bay	Red 2 Bay	Red 3 Bay
Combined Box and Door	Box with Glass Door & Dress Panel	2975-9459	2975-9457	2975-9460	2975-9458
Separate Box and Door (select if boxes and doors are required to be shipped separately)	Box only	2975-9439	2975-9440	2975-9408	2975-9409
	Glass Door & Dress Panel	4100-2107	4100-2108	4100-2127	4100-2128

Table 13: Annunciator

Model	Description
4100-9615	**Remote Annunciator Panel Mount;** includes expansion bay with power distribution interface module (PDI); **Bay 2 is dedicated for Incident Commander Graphic Annunciator**, order box and door separately (4100-7909 is not required);
	Select: RPS, XPS, or ES-PS power supply and 4100-0620 Basic interface; also allowed: 4100-1272 Phone Cards, 4100-1273 Phone Class A Adapters, 4100-6038 RS-232 Card, 4100-1293 Panel Mount Printer, and 4100-1290 24 Point I/O; order cabinet hardware separately per hardware for control panels; refer to data sheet S4100-0038 for more Remote Annunciator details
	Note: Refer to Power Supply Application Reference for power supply applications guidelines

Equipment Specifications

Note: Computer equipment and specifications are subject to change.

Table 14: Panel Mount Touchscreen Computer/Monitor (Note: Refer to Power Supply Application Reference for power supply applications guidelines)

Model*	Space Requirement	Current Requirements with 24 VDC Power from Control Panel		
		4190-7031 or 4190-7033 with Modules Listed	**Supervisory**	**Alarm**
4190-7031 4190-7033	Mounts in bay 2 of a 2-bay or 3-bay 4100ES cabinet	with 1 4120 Network Card	2.1 A	2.25 A
		with 2 4120 Network Cards	2.37 A	2.52 A
		with 1 4120 Network Card and 1 Quad Serial Card		
Individual Module Current Reference		4190-6034 Quad Serial Card	270 mA	
Individual Module Current Reference		4190-6061/4190-9829 Modular Network Card with two media modules, either 4190-6036/4190-9822 Wired, or 4190-6037/4190-9823	270 mA	

Table 15: Desktop Touchscreen Computer/Monitor

Model*	Dimensions (see Figure 5)	Input Power
4190-7032 4190-7034 4190-7014	17 13/16 in. W x 16 11/16 in. H x 8 ¾ in. D (452 mm x 425 mm x 221 mm)	2 A @ 102-132 VAC, 60 Hz (240 W) Operating Range: 100-240 VAC, 50/60 Hz
* All models include a separate 120 VAC power supply module. It provides normal power for desktop operation and can be used for separate pre-installation setup for 4100ES cabinet mount models. A 120 VAC cord is included; NEMA 5-15P plug to IEC-320 C-13 connector. For 230/240VAC use, locally obtain a cord in compliance with local safety standards.		
Note: Agency listing is at 120 VAC, 60 Hz.		

Table 16: TrueSite Incident Commander Graphic Annunciator Computer Feature Summary**

General Specifications
i5 2.4 GHZ (minimum) PC with cooling fan
(4) GB RAM (minimum)
(2) PCI Slots
(2) 160 GB Hard Drives (minimum)
(1) DVD/RW Drive
(2) Integral Amplified 2 Watt Speakers
(1) VGA Video Output (required for optional 2nd monitor)
Includes compact USB keyboard, mouse and 100 mm VESA Mounting Interface
100 mm VESA Mounting Interface
** PLEASE NOTE: Simplex 4190 Series TrueSite Incident Commander Graphic Annunciators are Agency listed for use with TrueSite Workstation software. For Desktop applications where Agency listings are not required, TrueSite Workstation software should be compatible with most computers meeting the stated minimum specifications. However, due to computer manufacturers potentially using unique and/or proprietary drivers, hardware, or other software not tested with TrueSite Workstation software, there may be incompatibilities. If other computers are used, proper operation with TrueSite Workstation software may require technical adjustments by a qualified computer technician and would be the sole responsibility of the computer supplier and computer manufacturer.

Table 17: TrueSite Incident Commander Graphic Annunciator Computer Port Reference
(equipment and specifications may vary due to equipment design changes) **

Specification	Rating
USB 2.0 Serial Ports	Six total; five in the rear (one is used for Annunciator Security Dongle), and one on the side
Ethernet Ports	Two RJ45 Gigabit Ethernet LAN ports

**Table 17: TrueSite Incident Commander Graphic Annunciator Computer Port Reference
(equipment and specifications may vary due to equipment design changes) ****

Specification	Rating
RS-232 Serial Ports	Two DB9 RS-232 ports standard, up to six RS-232 ports total with optional 4190-6034 Quad Serial Port Card (PCI Slot Module)
PCI Slots	Two available. **Note:** Annunciator uses one for the Network Interface Card
Event Printing*	For agency listed Proprietary Supervising Station operation and for other operations, if an event printer is desired, a supervised and dedicated Simplex model 4190-9027 agency listed dot matrix printer is recommended; connection is to USB or Serial RS-232 Port of the Server PC (see data sheet *S4190-0027* for 4190-9027 printer details)
Other Printing*	For report, screen, or graphics printing, a Windows 7 compatible printer may be used; connection may be USB, RS-232 Serial, or LAN/WAN connection by Ethernet
Printable Information	Event printing (with supervised and dedicated dot matrix printer 4190-9027 as explained above)
	Auto-print of auto-jump graphics; prints to Windows default printer
	Reports: Historical logs, System Activity, TrueAlarm Status, TrueAlarm Service, TrueAlert Self-Test, Analog Monitor ZAM Calibration, and Active List; displayed reports can print to a LAN connected (unsupervised) printer
	Screen captures (configurable as negative images to reverse black backgrounds)
* Note: Parallel port printer connection is supported on 32-bit operating systems only.	

** Table 16 and Table 17 note: Simplex 4190 Series TrueSite Incident Commander Graphic Annunciators are Agency listed for use with TrueSite Workstation software. For Desktop applications where Agency listings are not required, TrueSite Workstation software should be compatible with most computers meeting the stated minimum specifications. However, due to computer manufacturers potentially using unique and/or proprietary drivers, hardware, or other software not tested with TrueSite Workstation software, there may be incompatibilities. If other computers are used, proper operation with TrueSite Workstation software may require technical adjustments by a qualified computer technician and would be the sole responsibility of the computer supplier and computer manufacturer.

Table 18: Environmental Specifications

Specification	Rating
Operating Temperature	32 °F to 120 °F (0 °C to 49 °C)
Operating Humidity	up to 93% RH, non-condensing, at 90 °F (32 °C)