The Simplex® 4100ES
Fire Alarm Control Panel

Efficient installation
Extraordinary technology
Enhanced for contractors and installers

In offce towers, college/university campuses, hospitals and industrial centres, the Simplex 4100ES can serve the needs of installing contractors - and help meet the protection and operational requirements of building owners.

The Simplex 4100ES (eServices) Fire Alarm Control Panel is a premier fire detection and alarm system. Built upon the legendary, field proven performance of the Simplex 4100U Series the next generation 4100ES leverages new technology, design improvements, T-Tap wiring and IP-based diagnostics to offer low cost installation that electrical contractors can appreciate.

The 4100ES family is designed to offer high quality fire protection to end user customers while providing you a fast, smooth and efficient installation, no matter the facility or application. In developing this next generation platform, we obtained extensive input from electrical contractors, installes, end users, consultants and fire service officialsThe result is a host of innovative system and design improvements that can make it easier and more economical than ever to install Simplex fire systems and potentially boost your profitability an business success.

- For projects requiring a phased installation, the 4100ES can be put into a special "Install Mode" that enables the panel to provide a single system trouble for points that are programmed but not yet wired, or wired but not ready for commissioning. This can help eliminate troubles during installation and reduce system operator confusion.

- The Simplex TrueSTART handheld test instrument can simplify the commissioning process by enabling contractors to troubleshoot for opens, grounds, duplicate device addresses and circuit cross-talk all before the 4100ES is installed.

- With the 4100ES, you can upgrade existing 4100 systems to the ES many times without the costly removal or replacement of existing field devices, wiring, conduit or panel back boxes

Simplex: Build a relationship with a trusted leader

Simplex systems are engineered to meet the unique needs of installing contractors and end-user customers. Working with Simplex aligns you with an industry leader whose experience, technological innovation and market leadership stand out in the life safety industry.

The 4100ESAdvantage

Simplex 4100ES systems support both TrueAlarm analogue sensing and TrueAlert addressable notification, giving you all of the cost saving benefits of T-Tapping and global addressability in both fire detection and notification.

TrueAlarm sensing gives end-user customers high performance in fire detection combined with the potential for lower installation and wiring costs.

Our addressable technology provides software control of initiating and notification devices, without the need for costly additional wiring. The 4100ES has a supervised onboard Mass Storage Device to hold several revisions of system programming plus system drawings and tests.

Simplex 4100ES
Life Safety Systems for a Changing World

Lower your installation costs

The modular Simplex 4100ES system offers a number of hardware improvements to speed installation, whether you're installing a single panel 4100ES or a 4100ES distributed network in a 50-story office tower or multi-building campus. Our efficient design allows for easier access to PC boards and minimises the number of harnesses, providing a simpler, less restrictive module interconnection and cleaner wiring installation. Power supplies and amplifiers include built-in NACs (notification appliance circuits) to further simplify power distribution. All modules support earth-ground-fault isolation to make locating earth grounds a snap.

Easy-to-install IDNet devices

The new IDNet addressable devices on the 4100ES, many with line powered operation, can dramatically cut your device installation costs. Plus, you can realise additional savings because fewer devices need to be installed. Most mount in common single gang or 4-inch square electrical boxes. All IDNet devices include a LED to assist in troubleshooting and status verification

Faster acceptance testing

The 4100ES is IP-ready and can support instant online communications with service technicians. This web based capability provides opportunities to download programmes and upload factory software upgrades. With the Remote Gateway application, a Simplex technician can set up a live cell phone chat with the 4100ES. As a result, troubleshooting and remote testing of programming changes can be performed instantaneously. Plus, time-consuming trips back to the main panel can be reduced.

The 4100ES is supported by an experienced and knowledgeable team that can help acceptance-test the installed 4100ES system before construction is complete, verifying the job and allowing you to close it out faster.

What you need to succeed

- The Simplex TrueSTART instrument is a handheld device that can help expedite the commissioning process by troubleshooting grounds, identifying and open and shorted circuits, and by addressing duplicate and incorrect devices even before the 4100ES is delivered to the site.

- The 4100ES panel can be put into Install Mode during a phased installation. The 4100ES can annunciate a common system trouble for points that are not installed or that are installed but not commissioned, helping to reduce nuisance troubles.

- Termination of contractor wiring is easily accessible and in some cases pluggable.

- Card frame allows easy addition of expansion modules.

- IP Panel Access for faster programme downloads, service and commissioning all from a central onsite location.

- Service Reports for proof-of-system progress and readiness. The 4100ES includes a supervised Mass Storage Device that archives system programming so all revisions of a system's programme can be retrieved onsite. The card can also be used to store and easily retrieve system tests, as-built drawings and other critical system information.

- Miniplex distributed systems can help reduce installation cost.

- Flexible, cost-efficient digital or analogue voice evacuation solutions.

Johnson Controls