4100ESi

Integrated. Ideal. Intuitive. Informative. Inspiring.

Building Safety

Simplex

4100ESi

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We're redefining the classics, taking the hassle out of large fire detection requirements.

Welcome to the future of fire safety technology.

At Tyco, we're always striving to beat our personal best

Our aim to increase fire detection and safety in your facilities is why we are always improving and developing our tried and trusted products. We strive for the best and safest – and that's a benchmark we aim to redefine.

Simplex panels have always had a strong reputation for being reliable, dependable, and withstanding the test of time.

With Simplex 4100ESi, we've raised the bar and made them even better, yet simple.

The fire detection system of choice for medium to large facilities

We've been working on the evolution of the Simplex 4100 for over 20 years, and we truly believe we have now achieved a unique and robust approach to fire detection in medium to large facilities – including tunnels, hospitals, universities, prisons, airports , shopping centres and the list goes on.

Our latest development allows this model to control up to 512 zones within its core software, while retaining the flexibility to navigate your individual and unique programming requirements. The model's high level of technical capability equips you to perform non-standard setups by simply allocating commands to your chosen zones.

Cutting edge technology to revolutionise your fire detection

The latest addition to the Simplex family allows you to use your PC to program a basic system in two simple steps:

1. Enter devices and descriptions.

2. Allocate and group devices to zones.

That's it!

Once programmed, enjoy fast, effective controls at the tips of your fingers. Use the intuitive colour touchscreen to easily operate the AS 7240.2 panel and the zone disable/enable controls.

The Simplex 4100ESi greatly reduces the time required for programming.

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At a Glance:

30000 — metres between nodes using single mode fibre

7240 — part 2 standards compliance

3500 — metres between nodes using copper network

2000 — addressable devices

1028 — zones can be controlled by a 4100ESi NDU

512 — zones controlled by the standard config

99 — panels can be connected up on a single ring

20 — years of evolution of the 4100

10 — Amp power supply as standard fitment

Fully compliant to latest standards
- User-friendly AS7240.2-certified panel conforms to the latest Australian Standards to offer you peace of mind

Better capacity, greater connectivity
- 2,000-point addressable device capacity – ideal for facilities of any size
- Connect up to 99 panels on a single network ring – up to 3,500 metres apart in copper, or a stunning 30,000 metres apart in single mode fibre
- Generous 10A power supply – Reduces the need for extra power supplies or battery boxes

Intuitive and intelligent
- Easy to read and navigate interactive touch-screen display
- Regularly updated e-manuals, accessible on any internet-connected device

Easier installation and upgrades
- The backward compatible Simplex 4100ESi uses intuitive Windows-style programming software
- Programming templates for common functions (including 1668 controls, day-night sensing, alarm acknowledgement, delay and investigation)

Enjoy total flexibility
- Non-proprietary – Your freedom of choice to select any trained Service Company to service Tyco fire detection products
- Available off the shelf with expansion box options and a further three sizes on demand

INTEGRATED Simplicity and ease – that's what we've achieved with the Simplex 4100ESi. Backwards-forwards compatibility allows you to integrate the new system with your existing Simplex 4100 without having to commit a significant amount of time and labour to complete the transition. We aim to facilitate a fusion between your Simplex 4100 system and the improved Simplex 4100ESi, in a way that supports and enhances your processes rather than disrupts them, and increases the lifespan of your existing 4100 safety system.

IDEAL The Simplex 4100ESi is the ideal flexible system for your challenging fire detection requirements. Our scalable programming options suit all sizes of network application. Your panels can operate 3,500 metres apart using copper, and as far as 30,000 metres apart using single mode fibre – and you can have as many as 99 panels on a single network with up to 7 rings connectable to one TrueSite Workstation (TSW). Your Simplex 4100Esi system comes complete with on-going advice and support for many years – and for a system that is built to last and to seamlessly evolve through backward-forward compatibility, that's the kind of service you can rely on.

INTUITIVE The extra-large touchscreen display provides an elite user interface with impeccable control and monitoring capabilities at your fingertips. The easy-to-use screen allows you to view and control faults, enable and disable points and zones, isolate specific issues and run detector status and service reports. In the unlikely event of any issues with your detection system, the diagnostics features and onboard help screen allow you to pinpoint exactly what needs to be altered in order to resume full working order of your fire safety operations – without needing to close your facility.

INFORMATIVE Use a network display unit (NDU) to see all zones in your network – without having to add separate panels. When configured as an NDU, the Simplex 4100ESi can control up to 1028 zones. Supervise – and control – all zones from a single, cost-effective screen. Reliability and connectivity is increased thanks to the availability of several High Level Interface options such as MODBUS, BACnet and SafeLINC.

INSPIRING We've tried it, we've tested it, and we've been guiding the evolution of the Simplex 4100ESi since 1992. You've seen what a Simplex panel can do – and now it can do even more. We've eliminated manual programming, shortened internal processes and created a rounded solution that can keep up with your fast-paced work environment – no matter how large your facility. In fact, the Simplex 4100ESi has a faster network response time enabling it to react quickly even in a complex or large network environment.

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"I need a time-efficient solution."

The Simplex 4100ESi is a quick and simple choice for your facility – there's no need to account for lead-time when ordering your system, because the standard panel is ready off the shelf. And intuitive, automated programming cuts down hours of set up.

"I need a powerful fire alarm panel that is easy to design."

Fully compliant to the latest AS 7240.2 standard, the Simplex 4100ESi panel is not only easy to program but also the preferred choice for many fire system designers. The ability to control up to 512 zones and connect up to 99 panels on a single network ring offers designers a less complex or contradictory experience, while achieving greater integrity in the overall design. Fire system design is now a breeze.

"I need a fire detection system that works efficiently in a large facility."

The Simplex 4100ESi is great for facilities of any size – with its fast network response time, ability to connect up to 99 panels on a single network ring and ability to cover a massive distance of up to 30km between panels using single mode fibre.

"I need a system that is built to last."

The reliable Simplex 4100ESi is not only designed to be long-lasting and hard-working, it's also created with lifespan in mind. Not only will the base model work hard for many years, it's also backwards-forwards compatible – so as technology advances, so can you.

"I need a versatile product that I can customise to my facility's particular requirements now and in the future."

The Simplex 4100ESi is the most flexible Simplex panel to date. Not only is it backwards-forwards compatible, you can also configure the panel as an NDU, and control double the amount of zones – without having to add extra panels or cumbersome zone switch controls.

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The perfect pairing

The Simplex 4100ESi is not only compatible with its existing TrueAlarm detectors, but is also the ideal match for two-way infrared-enabled *MX* fire detectors. Together, the Simplex 4100ESi and *MX* detectors provide:

- More addressable loop powered devices – including sounders and beacons
- Even greater immunity to false alarms
- Isolators in every detector head
- Improves system redundancy
- Reduces maintenance time in finding detection wiring faults
- Reduces installation time by not having to fit a separate isolator every 40 devices
- Ability to use modern commissioning tools – including the 850EMT infrared tool
- Compliance to the latest AS 7240 standards

Control at your fingertips

Our high specification, technologically advanced and unique touchscreen makes managing fire safety simpler than it's ever been.
From a single screen, and at the touch of your fingers, you can:

- View and monitor all fault points, supervisory points and Pri2 alarms
- Disable and enable points and zones
- Conduct alarm tests on points and zones
- Access level changes
- View and upload previous alarm and fault supervisory logs
- Print and upload reports
- Inspect – and respond to – service diagnostics

Once you've easily programmed the panel on a PC, everything is accessible from the panel itself – where and when you need it.

Here when you need us

Supporting you to make the most of your Tyco products is our priority. Contact our team of technicians during business hours to answer any and all questions you have about your Simplex 4100ESi – we'll work step-by-step with you to resolve any issues.

Tyco Technical Support Hotline
1300 552 559 (toll free)

Learn with us

Tyco's dedicated training department provides complete product training – in all major cities of Australia. Undertake training support to ensure you are utilising the most up-to-date information when it comes to using our products and ensuring fire protection.

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Freedom of choice, power to you

Remain in control: it's not only how you upgrade your systems, but also who upgrades them. The versatile compatibility of the Simplex 4100ESi enables a simple and low-cost add-on to an existing system – and can be periodically upgraded with ease, as and when your individual requirements command such a need.

Not only that, our promise to you with provision of all Tyco Fire Detection products, is to save you valuable time and money. With this in mind, we make all our fire detection systems non-proprietary, so you're free to choose who you like for technical installation and support throughout the lifetime of your system. You're not bound to us in any way. We allow you to access the best services to suit your requirements – and that means the best costs to suit your budget.

Why choose Tyco?

- Peace of mind and exceptional product quality from industry leaders you can trust.
- Our constantly evolving range of project solutions means you're ahead of the game.
- Our products are developed by the world's most well regarded fire technology experts.
- With Tyco products, costs are low, problems are solved, and lives are saved.

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